

ČASOPIS METALURGIJA 1962.–2022. god. – Lista objavljenih radova

METALURGIJA JOURNAL 1962-2022 y – List of Published Papers

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Review – Prikaz

U periodu 1962.–2012., tijekom 60 godina neprekidnog izlaženja, u časopisu Metalurgija su objavljivali autori iz preko 40 država, od Mexica do Kine (sa svih 5 kontinenata). Cilj članka je dati Listu objavljenih radova u 199 svezaka ili 238 brojeva, sa 2721 znanstvenih i stručnih, te 287 priloga (ukupno 3008 radova), autora, koji su svoje rezultate i ideje provjeravali ili ih našli na stranicama ovog časopisa. Svima hvala.

Ključne riječi: metalurgija, časopis, članci, lista, podatci

For the interval 1962-2022 y, during the continuous publication last 60 years, in Metalurgija Journal Authors from 40 countries from Mexico to China (all 5 continent) have publish. The goal of the Article is give List of Papers published in this interval, 199 issues or 238 numbers, 2721 scientific and technical, and 287 contributions (total 3008 papers) of Authors whose investigation results and ideas have been examined and found on the pages of this Journal. Thanks for all.

Keywords: metallurgy, journal, articles, list, datas

No.	Autor(i) / Author(s)	Naziv članka / Title of the Paper	Vol. (god.) broj, str. (od – do) Vol., Y., Issue, P. (from – until)			
			1	2	3	4
001.	A. Dorocić	Korištenje otpadnih toplina SM peći	1	(1962)	1	2-9
002.	I. Lipovac, L. Nejkova	Određivanje granice istežanja na povišenim temperaturama čelika St 35-8 za kotlovske cijevi	1	(1962)	1	10-11
003.	O. Hudales	Ispitivanje materijala bez razaranja	1	(1962)	1	12-13
004.	M. Kurjaković, R. Plepelić	Određivanje malih količina aluminijskih u čeliku	2	(1963)	1	1-4
005.	M. Vuk	Povećanje proizvodnje na lakoj pruži novom kalibracijomna reduciranom stanu u Željezari Sisak	2	(1963)	1,	5-8
006.	M. Boljević	Naučna organizacija rada u suvremenim uvjetima proizvodnje	2	(1963)	1	9-11
007.	Š. Čulina	Kretanje izvadaka u lijevaonicama	2	(1963)	1	13-16
008.	E. Lipovac	Praktična iskustva sa pocinčavanjem bešavnih cijevi postupkom vrućeg uranjanja	2	(1963)	2	1-6
009.	S. Kovačić	Razvoj produkcije i tehnološkog postupka dobivanja sirovog željeza u visokoj peći	2	(1963)	2	7-12
010.	M. Ivaniš	Cilj planiranja u poduzeću	2	(1963)	2	13
011.	M. Zajc	Značaj i uloga aktiva Željezare Sisak	2	(1963)	2	14
012.	B. Markušić	Društvena uloga i zadaci organizacija inženjera i tehničara	2	(1963)	2	15
013.	Z. Lončar	Proizvodnja čelika iz čeličnog lijeva sa specijalnim osvrtom na proizvodnju pilger valjaka	2	(1963)	3	1-10
014.	M. Juričić, V. Živanović – Magdić	Titrimetrijska metoda određivanja silicija u željezu, čeliku, sivom lijevu, visokopećnoj i SM troski	2	(1963)	3	11-13
015.	I. V. Blair	Istraživački sektor kompanije Steward Lloyd i njegov rad (prijevod iz časopisa Steel Cool)	2	(1963)	3	15-19
016.	A. Dorocić	Snimanje zupčanika	2	(1963)	4	1-9
017.	F. D. Richardson	Metalurgija sa novog gledišta	2	(1963)	4	10-12
018.	V. Kordić	Kontinuirano lijevanje čelika s osvrtom na klasičan način lijevanja čelika	3	(1964)	1	1-6
019.	V. Novosel – Radović	Ekstrakcija vanadija s tekućim ionskim izmjenjivačem aberlitom LA-2	3	(1964)	1	7-8
020.	T. Markušić	Brza metoda za određivanje SiO ₂ u željeznim rudama	3	(1964)	1	9-11

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021.	<i>T. Markušić</i>	Brza metoda za određivanje CaO u željeznim rudama	3	(1964)	1	12-15
022.	<i>B. Markušić</i>	Prošireni plenum društva inženjera i tehničara podružnice Željezara	3	(1964)	1	16
023.	<i>J. Krajcar</i>	Odsumporavanje sirovog željeza i čelika	3	(1964)	2	1-9
024.	<i>P. Bradarić</i>	Mogućnost izrade bazičnog sintera iz domaćih ruda	3	(1964)	2	10-15
025.	<i>M. Kurjaković</i>	Prednosti ekstrakcionih metoda kod određivanja nioba u čeliku	3	(1964)	2	16-17
026.	<i>L. Chloupek</i>	Problem kvalitete domaćeg koksa	4	(1965)	1/2	1
027.	<i>P. Pavlović</i>	Metalurški problemi razmatrani sa stanovišta termodinamike (I dio)	4	(1965)	1/2	2-17
028.	<i>I. Štern</i>	Konstanta ravnoteže kao funkcija temperature	4	(1965)	1/2	18-21
029.	<i>V. Kovačić</i>	Aparatura za diferencijalno-termičku analizu u Institutu za metalurgiju Sisak	4	(1965)	1/2	22-24
030.	<i>F. Abaffy</i>	Nova metoda kvalitativne kemijske analize	4	(1965)	1/2	25-26
031.	<i>A. Mohatny, I. Štern</i>	Elektrokemijsko ispitivanje sinterovanih Fe-Al-Cu legura	4	(1965)	3/4	1-3
032.	<i>S. Kovačić</i>	Izračunavanje i kontrola mješavine analitičkim i grafičkim metodama	4	(1965)	3/4	4-14
033.	<i>V. Novosel – Radović</i>	Kretanje H ₂ , O ₂ i N ₂ u procesu proizvodnje čelika u SM peći	4	(1965)	3-4	15-20
034.	<i>M. Kurjaković, A. Tonković</i>	Kako se sve mogu koristiti finalni produkti željezare	4	(1965)	3-4	21
035.	<i>L. Chloupek</i>	Prilog diskusiji o osnovnim koncepcijama obogaćivanja željeznih ruda rudnika Ljubija	4	(1965)	3/4	22-23
036.	<i>R. Samardžić</i>	Cijevi za geološka istraživanja	4	(1965)	3/4	24-27
037.	<i>P. Pavlović</i>	Metalurški procesi razmatrani sa stanovišta termodinamike (II dio)	4	(1965)	3/4	28-47
038.	<i>B. Markušić</i>	Utjecaj zavarivanja na organ vida	4	(1965)	3/4	48
039.	<i>J. Krajcar, J. Plepelić</i>	O nekim uzrocima pucanja traka za šavne cijevi	5	(1966)	1	1-12
040.	<i>F. Rajić</i>	Osvrt na mogućnosti primjene automatskog vođenja procesa u pogonima crne metalurgije	5	(1966)	1	13-20
041.	<i>L. Chloupek</i>	Usporedba postupaka proizvodnje čelika	5	(1966)	1	21-24
042.	<i>T. Markušić</i>	Polarografsko određivanje Sn u željezu i čeliku	5	(1966)	1	25-29
043.	<i>P. Pavlović</i>	Metalurški procesi razmatrani sa stanovišta termodinamike (III dio)	5	(1966)	1	30-44
044.	<i>B. Pretmar</i>	Teoretske osnove dezoksidacije čelika	5	(1966)	1	45-53
045.	<i>B. Derniković</i>	Razvoj odjela u Sisku Tehnološkog fakulteta u Zagrebu	5	(1966)	1	54-56
046.	<i>P. Pavlović</i>	Pet godina postojanja Instituta za metalurgiju	5	(1966)	2/3	1-8
047.	<i>L. Chloupek</i>	Peletiziranje ruda	5	(1966)	2/3	9-18
048.	<i>I. Mamuzić</i>	Defektoskopija metala s osvrtom na ultrazvuk	5	(1966)	2/3	19-40
049.	<i>A. Dorocić</i>	Plansko preventivno održavanje industrijskih postrojenja	5	(1966)	2/3	41-46
050.	<i>Z. Lončar</i>	Izrada nodularnog lijeva	5	(1966)	2/3	47-64
051.	<i>P. Pavlović</i>	Rijedak jubilej	5	(1966)	2/3	65-66
052.	<i>B. Pretmar</i>	O tekućem agregatnom stanju s metalurškog stanovišta	5	(1966)	4	1-4
053.	<i>M. Kuntić</i>	Primjena elektrotehničkih računala u proizvodnji LD-čelika	5	(1966)	4	5-7
054.	<i>P. Matijević</i>	O zadacima službe industrijske psihologije	5	(1966)	4	8-11
055.	<i>J. Lemfeld</i>	Smjerovi razvoja željezorstva industrije i proizvodnje sirovog željeza u zapadnim zemljama	5	(1966)	4	12-14
056.	<i>J. Plepelić</i>	Perspektive proizvodnje čeličnih cijevi	5	(1966)	4	15-19
057.	<i>D. Ugarković</i>	Ekstrakcija metala s fosforilnim agensima	6	(1967)	1/2	3-10
058.	<i>B. Pretmar</i>	O uzimanju uzoraka i metodama za analizu plinova u metalima	6	(1967)	1/2	11-12
059.	<i>A. Markotić</i>	Porast normativa koksa u zavisnosti od postotka BaSO ₄ u zasipu visoke peći	6	(1967)	1/2	13-16
060.	<i>B. Crnković</i>	Proizvodnja preciznih cijevi hladnim vučenjem	6	(1967)	1/2	17-20
061.	<i>Da. Maljković</i>	Metode prikazivanja tro i četverokomponentnih sistema	6	(1967)	3/4	31-38
062.	<i>D. Ugarković</i>	Anionski kompleksi niobija u vodenim otopinama	6	(1967)	3/4	39-43
063.	<i>V. Ferketić</i>	Peć za taljenje i lijevanje u vakumu	6	(1967)	3/4	44
064.	<i>F. Rajić</i>	Načini mjerenja i regulacije na kupolnim pećima	6	(1967)	3/4	45-52
065.	<i>A. Čavić</i>	Struktura i viskozitet troski visokih peći	6	(1967)	3/4	53-60

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066.	<i>Da. Maljković</i>	Ekstrakcijski sistemi s tri tekuće faze	7	(1968)	1/2	3-6
067.	<i>I. Mamuzić</i>	Kontrola zavarenih strojeva na cijevnim konstrukcijama	7	(1968)	1/2	7-14
068.	<i>V. Ferketić, M. Dragaš, J. Krajcar</i>	Ispitivanje načina intenzivne primjene kisika u SM peći	7	(1968)	1/2	15-28
069.	<i>A. Čavić</i>	Struktura i viskozitet troski peći	7	(1968)	1/2	29-37
070.	<i>M. Kurjaković</i>	Prva primjena plinske kromatografije u crnoj metalurgiji	7	(1968)	1/2	38-40
071.	<i>D. Rebić</i>	Mössbauer-ov efekt – veliki napredak u eksperimentiranju i primjenama	7	(1968)	3/4	3-7
072.	<i>N. Hrvatov – Crljenica</i>	Savjetovanje o utjecaju plinova na kvalitetu čelika	7	(1968)	3/4	8
073.	<i>J. Božičević</i>	Računala i procesi 1. dio, vođenje procesa pomoću računala	7	(1968)	3/4	9-12
074.	<i>S. Ivaniš, S. Kovačić</i>	Magnetizirajuće prženje limonitnog branda u fluidizirajućem sloju	7	(1968)	3/4	13-18
075.	<i>I. Mamuzić</i>	Stiloskopska kontrola u metalurgiji	7	(1968)	3/4	19-27
076.	<i>P. Pavlović</i>	In memoriam dr. Pal Piltern	7	(1968)	3/4	29
077.	<i>M. Vanek</i>	Materijal za ispusne žljebove na visokim pećima	7	(1968)	3/4	30
078.	<i>V. G. Logomerac</i>	Raspodjela manje dostupnih elemenata i rijetkih zemalja u boksitima, lateritima i crvenom mulju Surinama	8	(1969)	1/2	3-10
079.	<i>A. Antolović</i>	Primjena elektrostatske sile u postupcima finaliziranja proizvoda	8	(1969)	1/2	11-14
080.	<i>I. Mamuzić</i>	Stiloskopska metoda u metalurgiji	8	(1969)	1/2	15-20
081.	<i>P. Horvat</i>	Značenje međunarodnog sustava jedinica u suvremenoj metrologiji	8	(1969)	1/2	21-25
082.	<i>J. Božičević</i>	Studij I. stupnja na odjelima u Sisku Tehnološkog fakulteta u Zagrebu	8	(1969)	1/2	26-28
083.	<i>P. Pavlović</i>	Razmišljanje o visokoškolskoj izobrazbi inženjera metalurgije	8	(1969)	3/4	3-10
084.	<i>J. Božičević, M. Kuntić</i>	Računala i procesi 2. dio – algoritam vođenja pri višerazinskom vođenju željezare	8	(1969)	3/4	11-16
085.	<i>V. G. Logomerac</i>	Odvajanje čelika iz SM-troske i njeno fino mljevenje	8	(1969)	3/4	17-22
086.	<i>R. Franz – Štern</i>	Razugljičenje u kloridnim solnim kupkama	8	(1969)	3/4	23-29
087.	<i>D. Maljković</i>	Deset godina djelovanja Odjela u Sisku Tehnološkog fakulteta Sveučilišta u Zagrebu	9	(1970)	1	3-8
088.	<i>R. Franz – Štern</i>	Ispitivanje intenziteta hlađenja solne kupke za kaljenje "Antikor" SO-140	9	(1970)	1	9-14
089.	<i>Urednički odbor</i>	Sažeci radova Simpozija o metalrgiji	9	(1970)	1	15-25
090.	<i>Urednički odbor</i>	Popis diplomiranih studenata odvojenog I. stupnja na odjelima u Sisku	9	(1970)	1	26
091.	<i>Urednički odbor</i>	Popis diplomiranih studenata Metalurškog odjela	9	(1970)	1	27-32
092.	<i>B. Koroušić</i>	Mjerenje potencijala kisika u plinovima kod visokih temperatura elektrokemijskom metodom	9	(1970)	2	3-9
093.	<i>D. Jovanović</i>	Primena rendgeno-fluorescentne analize za određivanje nikla, gvožđa, hroma, molibdena i niobijuma u nehrđajućim čelicima	9	(1970)	2	11-14
094.	<i>V. Novosel – Radović</i>	Kvantitativna analiza vustita difrakcijom x-zraka	9	(1970)	2	15-19
095.	<i>A. Grgurač, S. Kovačić</i>	Proizvodnja bimsa iz visokopećne troske	9	(1970)	2	21-30
096.	<i>M. Spasić, D. Vučurović, R. Vračar</i>	Kinetika reakcija u sistemu Fe ²⁺ - O ₂ – Fe ³⁺ - H ₂ O – Fe ₂ O ₃ – H ₂ SO ₄ pod uslovima povišenih temperatura u autoklavu	9	(1970)	3	3-8
097.	<i>M. Preloščan, P. Pavlović, V. Novosel – Radović</i>	Laboratorijsko dobivanje magnetita i maghemita	9	(1970)	3	9-14
098.	<i>M. Tomašević</i>	Određivanje mikrokoličine sumpora u bakru i vanadijumu	9	(1970)	3	15-18
099.	<i>V. Vrga, M. Tomašević</i>	Određivanje gasova u uranu metodom topljenja u vakuumu	9	(1970)	3	19-24
100.	<i>M. Tomašević</i>	Konduktometrijsko određivanje mikrokoličina ugljenika u bakru i vanadijumu	9	(1970)	3	25-27
101.	<i>V. Živanović – Magdić</i>	Spektrografsko određivanje željeza i olova u metalnom cinku	9	(1970)	3	28-29
102.	<i>Du. Maljković</i>	Polarografija slijedom pravokutnih impulsa i mogućnost njezine primjene za analizu metala	9	(1970)	3	30-32

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103.	<i>N. Veber</i>	Pozdravni govor	9	(1970)	4	5-7
104.	<i>B. Pretmar</i>	Uticaj dezoksidacije na unutrašnju čistoću i kvalitet ingota / Der Einfluss der Desoxydation auf die Qualität der Oberfläche der Blöcke und auf die innere Reinheit des Stahles	9	(1970)	4	9-13
105.	<i>V. Ferketić</i>	Prilog za diskusiju – Mogućnost zamjene aluminija feroaluminijem / Diskussionbeitrag – Die Möglichkeit des Ersetzens von Aluminium durch Ferroaluminium	9	(1970)	4	14-16
106.	<i>F. Hromek</i>	Herstellung von Rohrenstahl in Tandem-Öfen des Eisenwerkes Vitkovice / Izrada čelika za cijevi u tandem-pećima Željezare Vitkovice	9	(1970)	4	17-26
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109.	<i>J. Wolf</i>	Diskussionbeitrag – Giessen der Blöcke für Walzwerke nahtloser Rohre unter Giesspulver / Prilog za diskusiju – Lijevanje ingota za valjaonice bešavnih cijevi pod livnim prahom	9	(1970)	4	62
110.	<i>J. Chvojka</i>	Erfahrungen mit der Anwendung von Giesspulvern beim Stahlgießen für Rohrwerke in den Eisenwerken Vitkovice KG / Iskustva s upotrebom livnih prašaka pri lijevanju čelika za valjaonice cijevi u željezari KG u Vitkovicama	9	(1970)	4	63-68
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113.	<i>J. Krajcar</i>	Prilog za diskusiju – O izboru poprečnog presjeka ingota za bešavne cijevi / Diskussionbeitrag – Über die Auswahl der Querschnittsform von Blöcken für nahtlose Rohre	9	(1970)	4	102-106
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118.	<i>M. Wolf</i>	Betrachtungen zur optimalen Vormaterialgüte bei der Erzeugung nahtloser Edelstahlrohre mittels Strangpressen / Razmatranje optimalnog kvaliteta uložka pri izradi bešavnih cijevi od plemenitog čelika istiskivanjem	9	(1970)	4	155-168
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120.	<i>V. Heinrich, J. Starek</i>	Optimierung der Erzeugung von Stahlrohren mit 6% Cr für petrochemie / Optimalizacija proizvodnje cijevi od čelika sa 6% Cr za petrokemiju	9	(1970)	4	184-192
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123.	<i>I. Mamuzić, Z. Krakar</i>	Nedestruktivne metode za kontrolu grešaka u valjaonici bešavnih cijevi / Die Anwendung der zerstörungsfreien Methoden auf die Kontrolle der Güte im Walzwerk für nahtlose Rohre	9	(1970)	4	211-225
124.	<i>F. Vodopivec</i>	Primjeri ispitivanja nemetalnih uključaka u elektronskom mikroanalizatoru / Examples of Electron Microprobe Analysis of Inclusions	10	(1971)	1	3-9
125.	<i>V. Novosel – Radović</i>	Rengenska analiza uključaka	10	(1971)	1	11-18
126.	<i>Z. Popović, V. Sekulović</i>	Materijalni i toplotni bilans fluo-solid reaktora elektrolize cinka u Kosovskoj Mitrovici / Die Material – und Wärmebilanz des Wirbelschichtreaktors bei der Zn-Elektrolyse in Kosovska Mitrovica	10	(1971)	1	19-27
127.	<i>Z. Blažević</i>	Sastav elektrolita kupke pri proizvodnji aluminijuma / Composition of Electrolytic Bath in the Aluminium Production	10	(1971)	1	29-41
128.	<i>E. Lipovac</i>	Kratak prikaz dostignuća s područja upotrebe i zaštite pipelinea iznesenih na međunarodnoj konvenciji i izložbi u Londonu / Kurzer Überblick über die erzielten Ergebnisse auf dem Gebiete der Anwendung und des Oberflächenschutzes der Rohrleitungen, die an der internationalen Konvention und Ausstellung in London angeführt wurden	10	(1971)	1	43-48
129.	<i>L. Chloupek</i>	Rudna sirovinska baza crne metalurgije u SFRJ / Jugoslawische Eisenerzrohstoffbasis für die eisenschaffende Industrie	10	(1971)	2	3-10
130.	<i>Z. Dubovečak</i>	Izgaranje duvnica, kinetička energija zraka, materijal za izradu duvnica i njihov promjer / Blasformdurchbrennung, kinetische Energie des Hochofenwindes, Materijal für die Blasformherstellung und der Blasformdurchmesser	10	(1971)	2	11-13
131.	<i>A. Markotić</i>	Viskozitet visokopećnih troski u zavisnosti od sadržaja BaO / The influence of BaO on the Viscosity of Blast-Furnace Slags	10	(1971)	2	15-18
132.	<i>V. Novosel – Radović</i>	Primjena metoda difrakcije X-zraka na metalne materijale / Application on the X-Ray Diffraction Method to Metallic Materials	10	(1971)	2	19-24
133.	<i>V. Novosel – Radović, B. Krajcar</i>	Primjena metoda difrakcijom X-zraka na probleme strukture deformacije i rekristalizacije / Application of X-Ray Methods to Problems of Preferred Orientation and Recrystallization	10	(1971)	2	25-31
134.	<i>M. A. Qayyum</i>	Redukcija željeznih ruda metanom / Reduction of Iron Ore with Methane	10	(1971)	3/4	3-12
135.	<i>V. Kovačić</i>	Dobivanje željeza u prahu redukcijom kovarine krutim reducensom / Iron Powder Production by Scale reduction with Solid Reductant	10	(1971)	3/4	13-17
136.	<i>A. Preloščan</i>	Konstruktivni čelici povišenih mehaničkih osobina / Structural Steels with Higher Mechanical Properties	10	(1971)	3/4	19-24
137.	<i>J. Krajcar</i>	O uzrocima nastajanja vrućih pukotina na ingotima / Über die Ursachen der Entstehung von Warmrissen auf Blöcken	10	(1971)	3/4	25-30

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138.	<i>S. Jurca</i>	Pomen metalurgije prahu v sodobni tehniki / Development and the Present Status of Powder Metallurgy	10	(1971)	3/4	31-33
139.	<i>V. Kovačić, T. Markušić</i>	Suvremene metode ispitivanja metalurških svojstava rude, sintera i peleta / Modern Methods of Examination of Metallurgical Properties of Iron Ores, Sinters and Pellets	10	(1971)	3/4	35-37
140.	<i>M. Zadrović, N. Hrvatov – Crljenica</i>	Određivanje ugljika u sirovom željezu i čeliku na principu toplinske vodljivosti (aparatus "Leco" WR 12) / Kohlenstoffbestimmung in Roheisen und Stahl auf Grund der Wärmeleitfähigkeit ("Leco" – Angalysengerät WR 12)	10	(1971)	3/4	38-40
141.	<i>J. Butorac, J. Plepelić</i>	Stanje i budući razvoj tehnologije prerade čelika i proizvodnje čeličnih cijevi / Die Umstände und künftige Entwicklung in den Technolo- gien der Stahlbearbeitung in der Herstellung von Stahlrohren	10	(1971)	izv.br./ spec.issue	3-6
142.	<i>K. Rotert</i>	Primjena jednog novog postupka – oblikovanje Kocks- ovim vibracionim strojem / Anwendung eines neuen Hochverformungsverfahren mittels Kocks-Schwingmaschine	10	(1971)	izv.br./ spec.issue	7-12
143.	<i>K. H. Staat</i>	Razvlačno – redukcioni valjački uređaj (stan) / Streckreduzierwalzwerk	10	(1971)	izv.br./ spec.issue	13-22
144.	<i>H. Brauer</i>	Trovaljkasti sklopovi na valjačkim prugama za sitne profile i žice / Drei-Walzen-Blöcke in Walzstrassen für Feineisen und Draht	10	(1971)	izv.br./ spec.issue	23-32
145.	<i>K. H. Staat</i>	Strojevi za ispitivanje cijevi / Rohrprüfmaschinen	10	(1971)	izv.br./ spec.issue	33-38
146.	<i>A. Grgurač</i>	Utjecaj granulometrijskog sastava zasipa na njegovu propusnost i pokazatelje rada visoke peći / Einfluss von granulometrischer Zusammensetzung des Müllers auf seine Durchlässigkeit und auf die Betriebskennzahlen des Hochofens	11	(1972)	1	3-14
147.	<i>V. G. Logomerac</i>	Topljenje niklonosnih željeznih ruda / Smelting of Nickeliferous Ores	11	(1972)	1	15-19
148.	<i>R. Franz – Štern, G. Bogdanić, I. Štern</i>	Određivanje uvjeta nastajanja bor nitrida iz termo- dinamičkih podataka / Bestimmung von Bedingungen der Bornitridbildung aus den thermodynamischen Daten	11	(1972)	1	21-26
149.	<i>V. Ferketić</i>	Iskustva pri topljenju čelika u vakuumskoj indukcionoj peći / Erfahrungen mit dem Schmelzen von Stahl im Vakuuminduktionsofen	11	(1972)	1	27-31
150.	<i>M. Tomečak, A. Tripalo, J. Molnar – Blaženčić</i>	Neki tehnološki problemi u proizvodnji cinkovih čašica za baterijsku industriju / Einige technologische Probleme in die Zinknäpfchenherstellung für die Batterieerzeugung	11	(1972)	1	33-38
151.	<i>A. Prešern</i>	Kisik, motorna sila metalurških reakcija / Sauerstoff als Antriebskraft der metallurgischen Reaktionen bei der Herstellung von Stahl	11	(1972)	2	3-12
152.	<i>E. Zuberbühler</i>	Nove aparature za kvantitativno određivanje kisika i dušika u čeliku i drugim krutim materijalima / Neue Geräte für die quantitative Bestimmung des Sauerstoffs und Stickstoffs in Stahl und anderen Feststoffen	11	(1972)	2	13-18
153.	<i>J. Perman, M. Šinigoj, J. Štimnikar</i>	Iskustva s uzimanjem uzoraka čelika za određivanje plinova pomoću evakuiranih cjevčica / Erfahrungen mit den Probenahmen von flüssigem Stahl für die Bestimmung von Gasen mittels evakuirten Röhrchen	11	(1972)	2	19-24
154.	<i>B. Razinger</i>	Kratak pregled načina rada analize plinova u čeliku u Željezari Jesenice / Ein kurzer überblick über die Arbeitsmethoden bei der Bestimmung von Gasen in Stahl im Hüttenwerk Jesenice	11	(1972)	2	25-28
155.	<i>N. Hrvatov – Crljenica, B. Pretnar, D. Metikoš</i>	Iskustva s analizama plinova u čeliku za praktični pogon pomoću Exhalographa EAI, tvrtke Balzers AG / Erfahrungen mit den Bestimmungen von Gases in Stahl für den praktischen Betrieb mittels Exhalograph EAI der Firme Balzers AG	11	(1972)	2	29-32

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156.	<i>B. Iharoš</i>	Optimalizacija proizvodnje precizijskih bešavnih cijevi hladnim vučenjem. I usvajanje tehnologije hladnog vučenja čeličnih cijevi s "plivajućim" trnom – teoretski dio / Optimierung der Erzeugung von nahtlosen Präzisionsstahlrohren durch Kaltziehen. I Die Beherrschung, der Technologie des Kaltziehens von Stahlrohren mit "schwimmendem" Dorn – theoretischer Teil	11	(1972)	3/4	3-14
157.	<i>J. Krajcar, V. Ferketić, B. Krajcar</i>	Prvi pokusi ispiranja čelika inertnim plinovima u Željezari Sisak / Die ersten Betriebsversuche mit der Entgasung von Stahlschmelzen durch Spölgase im Stahlwerk Sisak	11	(1972)	3/4	15-20
158.	<i>Ž. Nikolić, M. Mostić, J. Božičević</i>	Unapređivanje reguliranja omjera pri operaciji mješanja dvaju plinova s promjenjivim potroškom mješavine / An improvement of the Ratio Control for Two Gas Mixing Process with Variable Consumption of the Mixture	11	(1972)	3/4	21-24
159.	<i>M. Zadrović, M. Vranešević, S. Mešnjak</i>	Kontrola niskougljičnog nelegiranog čelika emisijom vakuumskim kvantometrom 31000 ARL / Erfahrungen mit dem Vakuumemissionsspektrometer Modell ARL 31000 bei der analytischen Kontrolle von unlegiertem Stahl mit niedrigem Kohlenstoffgehalt	11	(1972)	3/4	25-28
160.	<i>Z. Blažević</i>	Pogled na metalurgiju lakih metala / Blick auf die Metallurgie der Leichtmetalle	11	(1972)	3/4	29-34
161.	<i>V. Šijaković</i>	Neke odlike hidrostatičkih pogona / Einige Merkmale hydrostatische Antriebe	11	(1972)	izv.br./spec.issue	3-4
162.	<i>G. Ratschat</i>	Kontinuirano lijevanje danas / Stranggiessen heute	11	(1972)	izv.br./spec.issue	5-12
163.	<i>E. Busse</i>	Upotreba hidrauličkih jedinica za pogonjenje i upravljanje u teškoj industriji / Der Einsatz von hydraulischen Antriebs- und Steuereinheiten in der Schwerindustrie	11	(1972)	izv.br./spec.issue	13-23
164.	<i>J. Krajcar</i>	Stanje i razvoj kontinuiranog lijevanja čelika / Der Stand und die Entwicklung des Stranggiessverfahrens	11	(1972)	izv.br./spec.issue	24-29
165.	<i>V. G. Logomerac</i>	Magnetizirajuće prženje siderita Vareša i Ljubije / Magnetizing Roasting of Siderite from Vareš and Ljubija Mines	12	(1973)	1	3-10
166.	<i>S. Ivaniš, S. Kovačić</i>	Izrada čvrstih peleta bez žarenja za upotrebu u visokoj peći / Production of Hard Pellets for Blast Furnace Without Firing	12	(1973)	1	11-18
167.	<i>R. Grozdanov, S. Miloševski, V. Čadikovska</i>	Mogućnost dobijanja i tendencije poboljšanja tehnokonomskih pokazatelja Grangcold – peleta u željezari "Skopje" / Herstellungsmöglichkeiten und Vergütungstendenzen der techno – ökonomischen Kennzahlen von Grangcold – Pellets im Eisenhüttenwerk "Skopje"	12	(1973)	1	19-30
168.	<i>B. Iharoš</i>	Optimalizacija proizvodnje precizijskih bešavnih čeličnih cijevi hladnim vučenjem. II Usvajanje tehnologije hladnog vučenja čeličnih cijevi s "plivajućim" trnom – kalibracija i rezultati ispitivanja / Optimierung der Erzeugung von nahtlosen Präzisionsstahlrohren durch Kaltziehen. II Die Beherrschung der Technologie des Kaltziehens von Stahlrohren mit "schwimmendem" Dorn – dornkalibrierung und Versuchsergebnisse	12	(1973)	1	31-38
169.	<i>Z. Blažević</i>	Utjecaj hladnog hoda elektrolize aluminijuma na kvalitetu proizvodnje / Einfluss von kalten Elektrolysegang auf die Qualität der Aluminiumerzeugung	12	(1973)	1	39-42
170.	<i>V. Ferketić, J. Krajcar</i>	Obrada SM-čelika argonom i dušikom u loncu / Die Behandlung des SM-Stahles mit Argon und Stickstoff in der Giesspfanne	12	(1973)	2	3-12
171.	<i>Z. Krakar, L. Deak</i>	Proračun kinematskih uvjeta, pritiska na valjke, snage i energije u procesu pilgerovanja / Calculation of the Kinematic Conditions, Pressure on the Pilger Rollen, Power and Energy, in the Reciprocating Rolling Process	12	(1973)	2	13-20

1	2	3	4			
172.	<i>B. Itharoš</i>	Optimalizacija proizvodnje precizijskih bešavnih čeličnih cijevi hladnim vučenjem. III Mogućnosti optimalizacije procesa / Optimierung der Erzeugung von nahtlosen Präzisionsstahlrohren durch Kaltziehen. III Möglichkeiten der Prozessoptimierung	12	(1973)	2	21-24
173.	<i>D. Navala</i>	Ispitivanje mogućnosti unutrašnje zaštite crpnih čeličnih cijevi (tubinga) plastičnim prevlakama / Untersuchung der Möglichkeit der Innenbeschichtung der Stahlrohre durch Kunststoffe	12	(1973)	2	25-28
174.	<i>P. Pavlović</i>	U spomen Norbertu Veberu	12	(1973)	3/4	3
175.	<i>M. Wahlster</i>	Mogućnosti primjene postupka elektropretaljivanja pod troskom / Anwendungsmöglichkeiten des ESU-Verfahrens in der Stahlindustrie	12	(1973)	3/4	5-16
176.	<i>M. Preloščan, V. Novosel – Radović, P. Pavlović</i>	Dobivanje vustita / Die Gewinnung von Wüstit	12	(1973)	3/4	17-20
177.	<i>J. Krajcar</i>	Lijevanje ingota pod prahom. I. Osnove lijevanja pod livnim prahom i karakteristike livnih praškova / Das Giessen unter Pulver. I. Grundlagen des Giessens unter Pulver und die Eigenschaften von Giesspulvern	12	(1973)	3/4	21-30
178.	<i>D. Pihura</i>	Kinetika otplinjavanja, odugljičavanja i dezoksidacije u vakuumskoj indukcionoj peći / Kinetics of Degassing, Decarburization and Deoxidation in Vacuum Induction Furnace	12	(1973)	3/4	31-38
179.	<i>D. Pihura, R. Čurčić</i>	Postupci i uslovi za dobivanje željeza velike čistoće u / indukcijskoj i vakuumskoj indukcijskoj peći Processes and Conditions of High Purity Iron Production in Induction and Vacuum Induction Furnace	12	(1973)	3/4	39-44
180.	<i>Z. Blažević</i>	Visine slojeva u elektrolitskoj peći za aluminijum / Schichthöhen im Elektrolytoven für Aluminiumerzeugung	12	(1973)	3/4	45-50
181.	<i>B. Markušić</i>	Predavanje u DIT-u željezare Sisak – Sekcija metalurgija	12	(1973)	3/4	51
182.	<i>J. Krajcar</i>	Lijevanje ingota pod prahom. II. Rezultati postignuti lijevanjem pod prahom u Željezari Sisak / Das Giessen von Stahlblöcken unter Pulver. II. Die beim Giessen unter Pulver im Hüttenwerk Sisak gewonnenen Ergebnisse	13	(1974)	1	3-14
183.	<i>V. Ferketić, J. Krajcar, I. Đukić</i>	Tehnološka ispitivanja kontinuirano lijevanog čelika u Željezari Sisak / Technologische Untersuchungen an strangegossenem Stahl im Hüttenwerk Sisak	13	(1974)	1	15-27
184.	<i>J. Črnko</i>	Peć s pokretnom podnicom za zagrijavanje gredica. I Karakteristike peći s pokretnom podnicom / The Walking Beam Furnace for Billet Heating. I The Walking Beam Furnace Characteristics	13	(1974)	1	29-32
185.	<i>V. Iliev</i>	Određivanje opterećenja valjačkog stana pri hladnom valjanju i racionalni plan provlaka po metodi Cook-a i Parker-a / Determination of the Loads in the Cold Rolling of Brass and Making of Rational Rolling Schedules According to the Cook and Parker Method	13	(1974)	1	33-36
186.	<i>V. Iliev</i>	Planiranje provlaka pri dubokom izvlačenju metala / Schedule Planning at Deep Drawing of Metals	13	(1974)	1	37-40
187.	<i>V. Novosel – Radović, P. Pavlović, M. A. Qayyum</i>	Određivanje -Fe ₂ O ₃ , Fe ₃ O ₄ i FeO u produktu redukcije željezne rude metodom difrakcije rendgenskih zraka / Determination of -Fe ₂ O ₃ , Fe ₃ O ₄ and FeO in a Reduction Product of Iron Ore by the X-ray Diffraction Method	13	(1974)	2	3-10
188.	<i>D. Pihura</i>	Otplinjavanje i odugljičenje čelika i legura u vakuumskoj peći za topljenje elektronskim snopom / Entgasung und Entkohlung von Stahl und Legierungen im Vakuumofen mit Elektronenstrahl	13	(1974)	2	11-20
189.	<i>B. Krajcar</i>	Neki primjeri makroskopskog ispitivanja čelika / Einige Beispiele makroskopischer Untersuchung von Stahl	13	(1974)	2	21-26
190.	<i>Z. Blažević</i>	Zaštita okoline u metalurgiji lakih metala / Der Umweltschutz in der Metallurgie der Leichtmetalle	13	(1974)	2	27-32

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191.	<i>P. Pavlović</i>	Izveštaj o dosadašnjem radu časopisa "Metalurgija" i smjernice za daljnji rad	13	(1974)	2	33-34
192.	<i>R. Franz-Štern</i>	Popis radova objavljenih u časopisu "Metalurgija" do 1974. godine	13	(1974)	2	35-40
193.	<i>Urednički odbor</i>	Kratki pregled radova, kolokvija "Priprema zasipa za visoku peć i proizvodnju sirovog željeza"	13	(1974)	3/4	3-6
194.	<i>S. Ivaniš, V. Kovačić, S. Kovačić</i>	Metalurška svojstva kemijsko-katalitičkih peleta / Metallurgische Eigenschaften der nach chemisch katalytischem Verfahren hergestellten Pellets	13	(1974)	3/4	7-16
195.	<i>S. Miloševski, V. Čadikovska, Lj. Mileski</i>	Tehnološka iskustva iz proizvodnje peleta u Želzari "Skopje" / Technologische Erfahrungen bei der Pelletherstellung im Eissenhüttenwerk "Skopje"	13	(1974)	3/4	17-22
196.	<i>N. Kopač, M. Vuković, V. Dumbović</i>	Praktična iskustva na odsijavanju ljubijskih ruda u Želzari Sisak / Praktische Erfahrungen beim Absieben der Erze aus Ljubija im Hüttenwerk Sisak	13	(1974)	3/4	23-28
197.	<i>A. Grgurač</i>	Uloga nivoa strujanja pri intenziviranju visokopećnog procesa / Die Rolle des Gasströmungsniveaus bei der Intensivierung des Hochofenprozesses	13	(1974)	3/4	29-40
198.	<i>V. G. Logomerac</i>	Mogućnosti iskorištavanja visokopećne prašine / Möglichkeiten der Ausnutzung des Gichtstaubes	13	(1974)	3/4	41-48
199.	<i>N. Gaković, A. Čavić, E. Mazanek, Lj. Nedeljković, V. Grković, P. Bogosavljev, B. Živković</i>	Osobine troske visokih peći, dobivenih radom visokih peći s bazičnim sinterom proizvedenim iz domaćih ruda / Eigenschaften der Hochofenschlacken, die bei der Verhüttung des aus heimischen Erzen hergestellten basischen Sinters anfallen	13	(1974)	3/4	49-56
200.	<i>J. Črnko</i>	Peć s pokretnom podnicom za zagrijavanje gredica. II. Osobitost zagrijavanja peći s pokretnom podnicom / The Walking Beam Furnace for Billet Heating. II. Heating Characteristics of the Walking Beam Furnace	14	(1975)	1	3-8
201.	<i>B. Krajcar</i>	Metalografsko ispitivanje kontinuirano lijevanih poluproizvoda / Metallographische Untersuchungen der stranggegossenen Halbzeuge	14	(1975)	1	9-20
202.	<i>V. Novosel – Radović, D. Sokolean, S. Sever</i>	Rendgenska fluorescentna analiza / X-Ray Fluorescent Analysis	14	(1975)	1	21-26
203.	<i>E. Lipovac</i>	Korištenje otpadnog sulfatnog efluenta od dekapiranja za hidrometaluršku obradu manganskih oksidnih ruda / The Use of Waste Sulphuric Pickle Liquor (Effluent) in Hydrometallurgical Process of Manganese Oxide Ores	14	(1975)	1	27-38
204.	<i>M. Šimek, P. Pavlović</i>	Osvrt na "Eisenhüttag '74." Dusseldorf 7., 8. i 11.1974.	14	(1975)	1	39-44
205.	<i>B. Markušić</i>	Predavanje u DIT-u Željezare Sisak	14	(1975)	1	45
206.	<i>B. Markušić</i>	Obavijesti iz DIT-a Željezare Sisak	14	(1975)	1	46
207.	<i>L. Bročilo</i>	U povodu proslave 30-te godišnjice oslobođenja, 25-te godišnjice radničkog samoupravljanja i Dana Kombinata u MK Željezare Sisak	14	(1975)	2	3-11
208.	<i>J. Krajcar, B. Krajcar, V. Ferketić</i>	Neka pitanja u vezi s kvalitetom kontinuirano lijevanih poluproizvoda / Einige Qualitätsfragen der stranggegossenen Halbzeuge	14	(1975)	2	13-22
209.	<i>R. Križanić</i>	Izrade toplovaljane trake / Die Herstellung von wärme walztem Band	14	(1975)	2	23-38
210.	<i>V. Novosel – Radović, D. Sokolean, S. Sever</i>	Primjena rendgenske fluorescentne analize u crnoj metalurgiji / The Use of X-Ray Fluorescence Analysis in Metallurgy	14	(1975)	2	39-42
211.	<i>Ž. Živković</i>	Neke mogućnosti proučavanja procesa oksidacije metala sa stajališta defektne strukture oksidnog sloja / Some Possibilities of Studing Metal Oxidation Process from the Point of View of Defect Structure in Oxide Layer	14	(1975)	2	43-47
212.	<i>B. Dobovišek</i>	Analiza redukcije šamozitne rude z lesnim ogljem / Analysis of Reduction of Chamositic Ore by Charcoal	14	(1975)	3/4	3-8
213.	<i>S. Paulin, N. Lapčević</i>	Stvaranje i odstranjivanje naljepaka u visokoj peći / Formation and Removal of Scaffolds in Bast Furnace	14	(1975)	3/4	9-14

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214.	<i>D. Pihura</i>	Prilog praćenju izdvajanja vodika iz čelika i legura u vakuumu / Beitrag zur vefolgung der Wasserstoffaus-scheidung aus Stahl und Legierungen im Vakuum	14	(1975)	3/4	17-24
215.	<i>B. Iharoš</i>	Određivanje prirodnog deformacionog otpora i njegov značaj pri hladnoj preradi cijevi vučenjem / Die Bestimmung der Formänderungsfestigkeit und ihre Bedeutung beim Kaltziehen von Stahlrohren	14	(1975)	3/4	25-34
216.	<i>P. Horvat, V. Ivanušić</i>	Spektrometrija gama zraka pomoću scintilacijskog spektrometra / Gama-Ray Spectrometry by Means of Scintillation Spectrometer	14	(1975)	3/4	35-44
217.	<i>K. Adamić</i>	Stogodišnjica Konvencije o metru	14	(1975)	3/4	45-47
218.	<i>B. Koroušić</i>	Izravno određivanje sadržaja aktivnog kisika u tekućem čeliku pomoću kisikove sonde / Direkte Bestimmung des aktiven Sauerstoffgehaltes im flüssigen Stahl mittels einer Sauerstoffsonde	15	(1976)	1	3-10
219.	<i>J. Krajcar</i>	Pregled suvremenih postupaka odsumporavanja sirova željeza i čelika izvan peći / Überblick über die heutigen Verfahren der Entschwefelungdes Rohelsens und Stahls ausserhalb der Öfen	15	(1976)	1	11-18
220.	<i>M. Tuđa</i>	Elektronska mikroanaliza i njena primjena u metalurgiji / Electron Probe Microanalysis and its Application in Metallurgy	15	(1976)	1	19-26
221.	<i>V. Novosel – Radović</i>	Analiza soli za termičku obradu difrakcijom rendgenskih zraka / Analysis of Salt Sample for Heat Treating by X-Ray Diffraction	15	(1976)	1	27-32
222.	<i>V. Iliev</i>	Optimalan izbor alata za duboko vučenje / Optimal Selection of Deep Drawing Tools	15	(1976)	1	33-37
223.	<i>J. Krajcar</i>	Simpozij firme Fosoco o odsumporavanju i kontinuiranom lijevanju u Hamburgu	15	(1976)	1	38-39
224.	<i>M. Šimek</i>	Osvrt na II savjetovanje o naučnim publikacijama Jugoslavije – problemi i rješenja	15	(1976)	1	40-41
225.	<i>B. Čosić</i>	Odnos teorije i prakse – prilog diskusiji o reformi sveučilišta	15	(1976)	2	3-8
226.	<i>J. Krajcar, V. Ferketić, B. Krajcar</i>	Osjetljivost peritetskih čelika na vruće pukotine pri kontinuiranom lijevanju / Warmrissempfindlichkeit peritektischer Stähle beim Strangiessen	15	(1976)	2	9-14
227.	<i>D. Pihura</i>	Prilog poznavanju procesa dezoksidacije čelika / Beitrag zur Kenntnis der Stahldesoxydation	15	(1976)	2	15-20
228.	<i>J. Kocijančić, T. Markušić</i>	Titrimetrijsko određivanje fluorida u livnim prahovima i u troskama uz prethodnu separaciju destilacijom / Titrimetric Determination of Fluoride in Mould Additives and Slags Subsequent to Separation by Distillation	15	(1976)	2	21-24
229.	<i>Ž. D. Živković</i>	Perspektive razvoja metalurgije aluminijuma u Jugoslaviji / The Prospects of Aluminium Metallurgy in Yugoslavia	15	(1976)	2	25-28
230.	<i>M. Šimek</i>	Članak u tehničkom časopisu	15	(1976)	2	29-36
231.	<i>J. Črnko</i>	Rasprostiranje temperature u sloju mješavine za vrijeme procesa sinteriranja / Temperature Spreading in a Mixture Layer During the Process of Sintering	15	(1976)	3/4	3-8
232.	<i>V. Prešern</i>	Odfosforenje jekla z vpihavanjem prašnatih materialov, I del – Tehnologija postupka / Entphosphorung des Stahles mittels Einblasens pulverartiger Stoffmischungen Teil I, Technologie	15	(1976)	3/4	9-16
233.	<i>M. Kundak, Ž. Acs</i>	Analiza toplinskog režima u valjaonicama traka, gredica i bešavnih cijevi – I dio / Warmeblanzanalyse in Band, Knüppel und Röhrenwalzwerken – Teil I	15	(1976)	3/4	17-22
234.	<i>R. Križanić</i>	Mogućnost izrade cijevi za naftnu industriju višeg kvalitetnog stepena / Production Possibilities of Obtaining Line Pipe of Higher Degree of Quality	15	(1976)	3/4	23-28

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235.	<i>Du. Maljković, N. Štrk, Da. Maljković</i>	Indirektna kompleksometrijska titracija Antimona (III) uz PAR kao indikator i utjecaj antimona (III) na određivanje olova / Indirect Complexometric Titration of Antimony (III) using PAR Indicator and Influence of Antimony (III) on Lead Determination	15	(1976)	3/4	09-31
236.	<i>J. Krajcar</i>	Naučno-tehnička konferencija o problemima proizvodnje čelika u Varni	15	(1976)	3/4	32
237.	<i>I. Mamuzić</i>	Savjetovanje o toploj i hladnoj preradi cijevi od čelika i obojenih metala	15	(1976)	3/4	33-34
238.	<i>V. Prešern</i>	Odfosforenje jekla z vpihavanjem prašnatih materialov, II del – Kinetika procesa / Entphosphorung des Stahles mittels Einblasens pulverartiger Stoffmischungen Teil II, Kinetik	16	(1977)	1	3-8
239.	<i>M. Kundak, Ž. Acs</i>	Analiza toplinskog režima u valjaonicama traka, gredica i bešavnih cijevi – II dio / Warmebilanzanalyse in Band, Knüppel und Röhrenwalzwerken -Teil II	16	(1977)	1	9-14
240.	<i>N. Školjić</i>	Određivanje prokaljivosti površine čelika za cementaciju / Die Bestimmung der Einhärtungstiefe von einsatzgeharteten Stählen	16	(1977)	1	15-20
241.	<i>I. Mamuzić</i>	Cijevi za geološka istraživanja / Rohre für geologische Untersuchungen	16	(1977)	1	21-28
242.	<i>V. Novosel – Radović, Lj. Sinković, S. Sever, P. Pavlović</i>	Kvantitativno određivanje metalnog željeza difrakcijom rendgenskih zraka / Quantitative Determination of Metallic Iron by X-ray Diffraction	16	(1977)	1	29-32
243.	<i>R. Franz – Štern, J. Črnko</i>	Matematički modeli procesa u trupu visoke peći / Mathematical Models of Blast Furnace Stack Processes	16	(1977)	2	3-10
244.	<i>D. Pihura</i>	Mogućnost povećanja sadržaja dušika u tekućem metalu u vakuumskoj indukcionoj peći / Increase of Nitrogen Content in Liquid Metal in Vacuum Induction Furnace	16	(1977)	2	11-18
245.	<i>I. Mamuzić, M. Malina</i>	Izrada geoloških cijevi u Željezari Sisak / Die Herstellung von geologische Untersuchungsrohren im Hüttenkombinat Sisak	16	(1977)	2	19-28
246.	<i>Z. Blažević</i>	Ovisnost jediničnog utroška energije i anodnog ugljika o iskorištenju struje pri taljevinskoj elektrolizi aluminijskog oksida / How the Unit of Energy Taken and Anode Carbon Depend upon the Use of Elektrical Current in Electrolysis of Aluminium Oxide	16	(1977)	2	29-32
247.	<i>S. Stojadinović</i>	Karakteristike nisko i visokotemperaturne rekristalizacije bakra / Characteristics of Low and High Temperature Recrystalization of Copper	16	(1977)	2	33-37
248.	<i>B. Marinček</i>	Prilog sistematici termodinamike metalurških procesa / Zur Systematik der Thermodynamik Schemelzmetalurgischer Vorgänge	16	(1977)	3	3-16
249.	<i>J. Krajcar</i>	Najmjerodavnije karakteristike za ocjenu kvalitete livnog praha pri kontinuiranom lijevanju / The Most Relevant Characteristics to be Considered in Determining the Quality of Casting Powder for Continuous Casting of Steel	16	(1977)	3	17-22
250.	<i>V. Novosel – Radović</i>	Rendgenska detektibilnost metalnog željeza u uzorcima kovarine, sintera, visokopećne prašine i produkata redukcije željezne rude / The Amount of Metallic Iron Determinable by X-Rays in the Samples of Scale, Sinter, Flue Dust; Slag and Product of Iron Ore Reduction	16	(1977)	3	23-26
251.	<i>B. Krajcar, V. Plazzeriano, J. Butorac</i>	Analiza greške na gotovim cijevima kvalitete Č. 12.13 nastale u stanu za reduciranje / Analysis of Defects on Finished Pipes Quality Č. 12.13 (DIN St. 45.4) Formed in the Reduction Stand	16	(1977)	3	27-30
252.	<i>Ž. D. Živković</i>	Određivanje toplote termičkog razlaganja baznog karbonata bakra metodom termogravimetrijske analize / Determination of Thermal Decomposition Heat of Basic Copper Carbonate by Thermogravimetric Analysis	16	(1977)	3	31-33

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253.	<i>D. Pihura</i>	Praćenje izdvajanja vodika pri cirkulacijskom (RH) postupku vakuumske obrade čelika / Hydrogen Elimination During Circulation Process (RH) Vacuum Degassing of Steel	16	(1977)	4	3-12
254.	<i>N. Mišković, E. Romhanji, I. Đurić</i>	Nove metode ispitivanja u oblasti plastične deformacije metala / New Methods Concerning Examination of Plastic Deformation of Metals	16	(1977)	4	13-20
255.	<i>I. Mamuzić, J. Butorac</i>	Proračun snage i praćenja toka materijala pri procesu bušenja / Calculation of Power and Material Flow on Piercing Process	16	(1977)	4	21-30
256.	<i>S. Stojadinović</i>	Uticaj primesa na mehaničke i električne osobine bakra / The Effect of Impurities on Mechanical and Elektrical Properties of Copper	16	(1977)	4	31-36
257.	<i>J. Krajcar</i>	Konferencija u Düsseldorfu o kontinuiranom lijevanju	16	(1977)	4	37
258.	<i>I. Mamuzić</i>	IV Savjetovanje valjaoničara Jugoslavije	16	(1977)	4	39-40
259.	<i>R. Franz – Štern</i>	Povodom 15-godišnjice izdavanja časopisa "Metalurgija"	16	(1977)	4	41-43
260.	<i>M. Kundak</i>	Intenzifikacija proizvodnje čelika kisikom u SM-pećima / The Use of Oxygen in Production of Steel in Open-Hearth Furnaces	17	(1978)	1	3-6
261.	<i>J. Krajcar, P. Horvat</i>	Ispitivanje procesa skrućivanja čelika pomoću radioaktivnih indikatora / The Study of Solidification Process by Means of Radioactive Indicators	17	(1978)	1	7-12
262.	<i>M. Preloščan</i>	Istraživanje nemetalnih uključaka i precipitata u čeliku / Examination of Non-metallic Inclusions and Precipitations in Steel	17	(1978)	1	13-18
263.	<i>V. Novosel – Radović, S. Sever, D. Sokolean</i>	Priprema uzorka praha za rendgensku fluorescentnu analizu / Preparation of Powder Samples for X-Ray Fluorescence Analysis	17	(1978)	1	19-26
264.	<i>V. Živanović – Magdić, M. Božičević</i>	Analiza Mg u nodularnom lijevu metodom atomske apsorpcione spektrofotometrije / Analysis of Mg in Nodular Cast Iron by Atomic Absorption Spectrophotometry Method	17	(1978)	1	27-30
265.	<i>V. D. Zlatković, Z. D. Stanković, V. D. Stanković</i>	Rastvaranje belog mata u elektrohemijском reaktoru sa suspenzionom elektrodom / The Dissolution of Copper Matte in the Electrochemical Reactor with the Suspension Electrode	17	(1978)	1	31-35
266.	<i>P. Pavlović</i>	Doprinos empirije, nauke i istraživanja razvoju procesa proizvodnje čelika, I dio / Contributions of Experience, Science and Research to the Development of Steelmaking Processes, Part I	17	(1978)	2	3-14
267.	<i>I. Mamuzić</i>	Zahtjevi i metalurška svojstva bušaćih cijevi (drill pipe) Requirements and Metallurgical Properties of Drill Pipes	17	(1978)	2	15-24
268.	<i>R. Križanić</i>	Mogućnosti povećanja mehaničkih osobina podebljanih krajeva tubing (crpnih) cijevi / Improvement of Mechanical Properties of Thickened Parts of Tubing Pipes	17	(1978)	2	25-28
269.	<i>V. Novosel – Radović, M. Šolić, S. Sever, D. Sokolean, P. Pavlović</i>	Priprema uzorka željezne rude za rendgensku fluorescentnu analizu tehnikom izravnog briketiranja / Preparation of Samples of Iron Ores for X-Ray Fluorescence Analysis with Pellet Press Technique	17	(1978)	2	29-32
270.	<i>P. Pavlović</i>	Doprinos empirije, nauke i istraživanja razvoju procesa proizvodnje čelika, II dio / Contributions of Experience, Science and Research to the Development of Steelmaking Processes, Part II	17	(1978)	3	3-14
271.	<i>J. Krajcar, M. Šindler</i>	Određivanje temperaturnog polja kontinuirano lijevanih čeličnih poluproizvoda / Die Bestimmung des Temperaturfeldes stranggegossener Vorblöcke	17	(1978)	3	15-24
272.	<i>M. Čosić</i>	Ispitivanje kvalitete i izdržljivosti šamotnih opeka čeličanskih livnih lonaca / Qualitäts – und Haltbarkeitsuntersuchungen von Schamottesteinen für Stahlphannen	17	(1978)	3	25-32

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273.	<i>Vj. Novosel – Radović, M. Šolić, M. Divjakinja, P. Pavlović</i>	Priprema uzorka željezne rude za rendgensku fluorescentnu analizu tehnikom taljenja / Preparation of Iron Ore Samples for X-Ray Fluorescence Analysis by Fusion Technique	17	(1978)	3	33-37
274.	<i>R. Križanić</i>	Završni uvjeti izrade i karakteristike toplovaljane trake uVTG MK “Željezara Sisak” / Finishing Conditions and Characteristics of Hot Rolled Strip Production in Sisak Iron and Steel Works	17	(1978)	4	3-12
275.	<i>V. Simončić</i>	Djelovanje zaštitne atmosfere pri termičkoj obradi metala / The Influence of protective Atmosphere on Thermal Treatment of Metals	17	(1978)	4	13-16
276.	<i>V. Simončić</i>	Termogravimetrijsko određivanje granica stabilnosti za bakar i bakreni oksid u smjesi vodika i kisika / Thermogravimetric Determination of Stable Phase Bondary of Copper and Copper Oxide in the Mixture of Hydrogen and Oxygene	17	(1978)	4	17-20
277.	<i>K. Rastovčan</i>	Mikroprocesori i razvoj njihove primjene / Microprocessors and their Application	17	(1978)	4	21-27
278.	<i>M. Šindler</i>	Multiregresna analiza (metoda najmanjih kvadrata) / Multiregression Analysis (Method of Least Squares)	17	(1978)	4	28-32
279.	<i>D. Ocopek</i>	Neki problemi mehaničke pripreme željezne rude u procesima obogaćivanja / Some Problems of Mechanical Treatment of Iron Ore	18	(1979)	1	3-8
280.	<i>Č. Talan, F. Hedžić</i>	Zamjena sitnog koksa antracitom u procesu sinterovanja / Substitution of Coke Breeze by Antracite in Sintering Process	18	(1979)	1	9-14
281.	<i>S. Melovska</i>	Utjecaj granulacije krečnjaka u proizvodnji superbazičnog aglomerata u željezari “Skopje” / Influence of Limestone Gran Size on Production of Superfluxed Sinter in Iron and Steel Works “Skopje”	18	(1979)	1	15-18
282.	<i>V. Čadikovska, S. Miloševski</i>	Mogućnost primene ferosulfata i kalcium oksida kao vezivna sredstva u procesu peletiziranja / The Use of Ferrosulphate and Calcium Oxide as Binders in Pelletizing Process	18	(1979)	1	19-22
283.	<i>V. Čadikovska, S. Melovska</i>	Mogućnosti dobijanja i redukcija hladnovezanih peleta / Production of Pellets for Blast Furnace and TH-Electro Reduction Furnaces	18	(1979)	1	23-29
284.	<i>V. Kovačić, M. Čop, M. Jablanović</i>	Određivanje bujanja željezonosnih materijala za vrijeme redukcije / Determination of Swelling of Iron Bearing Materials during Reduction	18	(1979)	2	3-10
285.	<i>N. Smajić</i>	Elektrokemijska metoda određivanja reduktivnosti željeznih ruda i aglomerata / Electrochemical Method for Determination of Reductibility of Iron and Sinters	18	(1979)	2	11-18
286.	<i>S. Paulin</i>	Praktična iskustva na rješavanju problematike masovnog izgaranja duvnica / Practical Experience in Solving the Problem of mass Burning out of Tuyers	18	(1979)	2	19-22
287.	<i>R. Franz – Štern, J. Črnko</i>	Usporedba rezultata matematičkog modeliranja procesa u trupu visoke peći s realnim procesom / Comparison of Mathematical Model results for Blast Furnace Stack Processes with Real Process	18	(1979)	2	23-30
288.	<i>B. Zalar</i>	Iskorištavanje čelične prašine i kovarine za proizvodnju željeza ili čelika u specifičnim okolnostima / Utilization of Steel Dust and Scale for Production of Iron and Steel in Specific Circumstances	18	(1979)	2	31-34
289.	<i>S. Kovačić, J. Kovačić, M. Šindler</i>	Prognoza sadržaja sumpora u sirovom željezu / Prognosis of Sulphur Content in Hot Metal	18	(1979)	2	35-44
290.	<i>Z. Karastojković</i>	Eksperimentalno-računska metoda određivanja jediničnog intenziteta upotrebom uzorka sa teksturom / Experimental-Counting Method of Unit Intensity Determination Using a Texture Sample	18	(1979)	3	3-6
291.	<i>Ž. D. Živković</i>	Utjecaj veličine čestica aluminijumhidroksida na procese dehidratacije Al(OH) ₃ i AlOOH / Influence of Aluminium Hydroxide Particle Sizes on the Dehydration Processes of Al(OH) ₃ and AlOOH	18	(1979)	3	7-10

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292.	V. Novosel – Radović, R. Rustinjac	Promjena intenziteta FeK., CaK., SiK. i MgK. linija s načinom pripreme uzorka sintera / Manner of Sinter Sample Preparation on Intensity FeK., CaK., SiK. and MgK. Lines	18	(1979)	3	11-18
293.	D. Čurčija	Osnovno stanje atoma željeza i izoelektronska zakonitost nivoa atoma / Elementary State of Iron Atom and Isoelectronic Regularity of Energetic Levels	18	(1979)	3	19-24
294.	Dž. Dozić	Šamotne obloge livnih lonaca / Fire-Clay Bricks of Casting Ladle	18	(1979)	3	25-28
295.	J. Kocijančić, T. Markušić	Primjena atomske apsorpcije za određivanje sadržaja cinka, bakra i olova u željeznim rudama / Application of Atomic Absorption Spectrophotometry for Determination of Zinc, Copper and Lead in Iron Ores	18	(1979)	3	29-34
296.	Z. Blažević	Efekti primjene neugljenih anoda kod taljevine elektrolize aluminijskog oksida / The Effect of the Use of Non-Carbonic Anodes for Melting Electrolysis of Aluminium Oxide	18	(1979)	3	35-39
297.	M. Boljević	Marketing koncepcija u udruženom radu / Marketing Concept in the Associated Work	18	(1979)	4	3-10
298.	S. Borić, V. Novosel – Radović, I. Zorko	Biokemijska korozija unutrašnjeg dijela čeličnog cjevovoda u sistemu hlađenja vodom / Biochemical Corrosion of Steel Pipe-line Internal Part in the Recirculating Water Cooling System	18	(1979)	4	11-16
299.	S. Rashani	Ispitivanje utjecaja arsena i antimona na korištenje struje kod elektrorafinacije bakra / The Influence of Arsenic and Antimony on Utilization of Electric Current in Electrorefining of Copper	18	(1979)	4	17-20
300.	I. Mamuzić, M. Malina	Usvajanje proizvodnje bušaćih šipki / Production of Drilling-Pipes	18	(1979)	4	21-26
301.	T. Sofilić, D. Sokolean, M. Kesić – Racan, M. Šindler	Određivanje sumpora u metalurškom koksu metodom rendgenske fluorescentne analize / Determination of Sulphur in Metallurgical Coke by X-RFA	18	(1979)	4	27-30
302.	V. Novosel – Radović, B. Iharoš, B. Krajcar, A. Iharoš, K. Dužić	Profil difrakcijskih linija hladno vučene čelične cijevi / X-Ray Diffraction Line Profiles Cold Drawn Steel Tube	19	(1980)	1/2	3-8
303.	M. Čosić, O. Knacke, H. T. Stamboliev	Ispitivanje kinetike i mehanizama reakcije SiO ₂ sa parom CdO / Untersuchung zur Kinetik und Mechanismus der Reaktion von SiO ₂ mit CdO-Dampf	19	(1980)	1/2	9-16
304.	Ž. D. Živković	Utjecaj dolomita na kinetiku procesa termičkog razlaganja magnezita / Influence of Dolomite on Magnesite Thermal Decomposition Process	19	(1980)	1/2	17-20
305.	D. Čurčija	Toplinski zakoni zračenja i površinska gustoća energije / Thermodynamic Laws and Surface Density Energy	19	(1980)	1/2	21-26
306.	V. Živanović – Magdić, Đ. Uzelac, M. Božičević	Određivanje Na i K u vatrostalnom materijalu i livnom prahu metodama AAS / Determination of Na and K in the Casting Powder and Fireproof Materials by the AAS-Methods	19	(1980)	1/2	27-30
307.	S. Alduk, I. Mamuzić, M. Malina	Iskustva pri usvajanju proizvodnje bušaćih cijevi (drill pipe) u Željezari Sisak / Experience Gained from the Production of Drill Pipe in Sisak Iron Works	19	(1980)	1/2	31-38
308.	J. Krajcar	Konferencija o kontinuiranom lijevanju čelika u Düsseldorf-u	19	(1980)	1/2	39-40
309.	Urednički odbor	In memoriam izv. prof. Lujo Chloupek, dipl. ing.	19	(1980)	1/2	41-42
310.	Urednički odbor	In memoriam Prof. Dr. Vladimir Logomerac, dipl. ing.	19	(1980)	1/2	43
311.	M. Čosić, O. Knacke, H. T. Stamboliev	Praćenje kinetike reakcije SiO ₂ sa parom ZnO / Untersuchung zur Kinetik und der Reaktion von SiO ₂ mit ZnO-Dampf	19	(1980)	3/4	3-10
312.	R. Zimmermann	Prilog o razvoju analitičke kemije u metalurgiji / Beitrag zur Entwicklung der Analytik für die Metallurgie	19	(1980)	3/4	11-20
313.	M. Kesić – Racan, T. Sofilić	Prednosti rendgenske fluorescentne analize tekućih uzoraka u odnosu na analizu krutih uzoraka / The Advantages of X-ray Fluorescence Analysis of Liquid Samples in Relation to the Analysis of Solid Samples	19	(1980)	3/4	21-24

1	2	3	4			
314.	<i>T. Mlakar, V. Prešern, F. Kandare</i>	Izboljšanje livnosti in kvalitete kontinuirno odlitega jekla z vpihovanjem CaSi / Die Verbesserung der Giessfähigkeit und der Qualität vom Stranggegossenem Stahl durch Einblasen von CaSi	19	(1980)	3/4	25-32
315.	<i>D. Šević</i>	Određivanje optimalne tvrdoće Jominy metodom / Determination of Optimal Hardness by Jominy Method	19	(1980)	3/4	33-35
316.	<i>J. Krajcar, V. Kovačić, V. Novosel – Radović, M. Čop</i>	Ispitivanje i ocjena livnih prahova za kontinuirano lijevanje čelika / Testing of Casting Powders for Continuons Casting of Steel	20	(1981)	1/2	3-10
317.	<i>M. Filipović, Ž. D. Živković</i>	Usporedna tehnoekonomska analiza upotrebe uglja i mazuta za loženje plamenih peći Topionice bakra u Boru / Technoeconomic Comparative Analysis of Coal and Fuel Oil Used in Reverberatory Furnace in Copper Mill in Bor	20	(1981)	1/2	11-14
318.	<i>Lj. Mitrović, S. Stojadinović</i>	Utjecaj kvaliteta površine radnih valjaka na hrapavost hladno valjane čelične trake / The Effect of Surface Condition of Working Roll for High Rolling Stand on Roughness of Cold Rolling Steel Strip	20	(1981)	1/2	15-22
319.	<i>V. Iliev</i>	Prilog proučavanju i određivanju optimalnog profila vara kod zavarenih čeličnih toplo valjanih traka namijenjene za hladno valjanje / A Contribution to the Study and Determination of the Optimum Weld Profile in Butt Welded Hot Rolled Steel Strip Intended for Further Cold Rolling	20	(1981)	1/2	23-28
320.	<i>Lj. Arsov, M. Froelicher, M. Froment, A. H. Le Goff</i>	Određivanje optimalnih uslova pri elektropoliranju titana / Determination of Optimal Conditions for Electropolishing of Titanium	20	(1981)	1/2	29-32
321.	<i>Du. Maljković</i>	Utjecaj temperature na ekstrakciju sredstvima koja sadrže donorski kisik vezan na ugljikov atom / The Temperature Influence on Extraction by Carbon Bonded Donor Oxygen Containing Agents	20	(1981)	1/2	33-36
322.	<i>T. Sofilić, M. Kesić – Racan, D. Sokolean</i>	Neke mogućnosti pripreme uzorka za analizu spektroskopijom emisije x-zraka / Some Possibilities of Specimen Preparation for x-ray Secondary-Emission Spectrometry (x-RFA)	20	(1981)	1/2	37-40
323.	<i>B. Čosić</i>	Novi međunarodni ekonomski poredak / New International Economic Order	20	(1981)	3/4	3-8
324.	<i>Ž. D. Živković</i>	Kinetika i mehanizam procesa termičkog razlaganja MgCl ₂ · 6H ₂ O / Kinetics and Mechanism of Thermal Decomposition Processes MgCl ₂ · 6H ₂ O	20	(1981)	3/4	9-12
325.	<i>V. Ferketić, J. Krajcar, I. Đukić, D. Vuković</i>	Iskustva pri lijevanju blumova za bešavne cijevi / Experience of Bloom Casting for Seamless Tubes	20	(1981)	3/4	13-24
326.	<i>D. Popović</i>	Osnovne strukturne karakteristike valjaka za hladno valjanje / Basic Structural Characteristics of Rolls for Cold Rolling	20	(1981)	3/4	25-28
327.	<i>S. Vasiljević</i>	Primena metalografskih metoda za određivanje orijentacije kristala u hladno valjanom limu niskougljičnog čelika / The Use of Metallographic Methods for Determining Crystallography Orientation in Cold Rolled Strip of Low Carbon Steel	20	(1981)	3/4	29-36
328.	<i>Da. Maljković</i>	Noviji pristup u analitičkoj kemiji / Modern Approach in Analytical Chemistry	21	(1982)	1/2	3-6
329.	<i>P. Pavlović</i>	O metalurškom procesu proizvodnje čelika i utjecaj njegovih specifičnosti na analitičko praćenje istog / On Metallurgic Process of Steel Production and the Influence of its Characteristics on Analytical Follow up	21	(1982)	1/2	7-12
330.	<i>R. Zimmermann</i>	Zahtjevi metalurga na kemičare koji djeluju u toj industrijskoj grani / Requirements of the Metallurgists on the Chemists Employed in that Industrial Field	21	(1982)	1/2	13-14
331.	<i>P. Repas</i>	Aktualni problemi pri određivanju kemijskog sastava legura na bazi željeza / Current Problems Arising from Determination of Chemical Composition of Alloys on the Basis of Iron	21	(1982)	1/2	15-18

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332.	<i>B. Vorsatz</i>	Određivanje sadržaja kisika u aluminiju i njegovim legurama pomoću neutronske aktivacijske analize / Determination of Oxygen Content in Aluminium and its Alloys by Means of Neutron Activation Analysis	21	(1982)	1/2	19-22
333.	<i>B. Luft, H. J. Eckstein</i>	Metodski problemi određivanja izlučina u mikrolegiranim čelicima / Methodic Problems Concerning the Determination of Precipitates in Microalloyed Steels	21	(1982)	1/2	23-26
334.	<i>Da. Maljković</i>	Seminar "Problemi analitičke kemije u metalurgiji"	21	(1982)	1/2	27-30
335.	<i>M. Ćosić, D. Navala, V. Novosel – Radović</i>	Studija reakcija u kromnoj rudi visokog sadržaja aluminijevog oksida / The Study of Reactions in High Alumina Content Chromic Ore	21	(1982)	3/4	35-44
336.	<i>T. Sofilić</i>	Metode kvantitativne analize spektrometrijom emisije x-zraka / Methods of Quantitative Analysis of x-ray Secondary Emission	21	(1982)	3/4	45-54
337.	<i>M. Kesić – Racan, R. Dmitrović, D. Sokolean, T. Sofilić</i>	Određivanje optimalnih uvjeta uzimanja uzoraka visokolegiranih čeličnih liva za analizu spektrometrijom emisije x-zraka / The Determination of Best Condition of Sampling the High Alloyed Cast Steels for X-ray Emission Spectrometry	21	(1982)	3/4	55-62
338.	<i>A. Mohamy, V. Kovačić</i>	Višestepena redukcija kovarine za proizvodnju željeza u prahu / Multistage Reduction of Mill Scale to Produce Commercial Grade Iron Powder	21	(1982)	3/4	63-66
339.	<i>J. Krajcar</i>	Kvalitet blokova za bešavne cijevi s posebnim osvrtom na glavu bloka / The Quality of Ingots for Seamless Tubes with Special Reference to the Ingot Head	21	(1982)	3/4	67-73
340.	<i>V. Novosel – Radović</i>	Efekat heterogenosti uzorka praha u analizi spektrometrijom emisije x-zraka / The Heterogeneity Effect in the Analysis of Powder Samples by X-ray Spectrometry	22	(1983)	1/2	3-8
341.	<i>T. Sofilić</i>	Utjecaj radne atmosfere na mogućnost analize kapljevine spektrometrijom emisije x-zraka / Influence of Radiation-Path Medium on the Possibilities of the Analysis of Liquid Samples by X-ray Secondary Emission Spectrometry	22	(1983)	1/2	9-14
342.	<i>D. Sokolean, M. Preloščan, M. Kesić – Racan</i>	Određivanje vanadija u izolatima iz čelika spektrometrijom emisije x-zraka / Determination of Vanadium in Isolates from Steel by X-ray Emission Spectrometry	22	(1983)	1/2	15-18
343.	<i>M. Shkoza, S. Rashani</i>	Zagađenje vodotoka reke Sitnica industrijskim vodama / The Pollution of the River Sitnica Waterflow by Industrial Waste Waters	22	(1983)	1/2	19-24
344.	<i>J. Krajcar</i>	Primjena kisika u SM pećima: opći pregled i rezultati u MK "Željezara Sisak" / The Use of Oxygen in Open Hearth Furnaces, a General View and Results in Steelwork Sisak	22	(1983)	1/2	25-32
345.	<i>M. Ćosić</i>	Dobivanje magnezijevog oksida iz serpentinita / Obtaining of Magnesium Oxide from Serpentine	22	(1983)	3/4	35-46
346.	<i>Ž. D. Živković</i>	Kinetika i mehanizam procesa luženja alunita alkalnim i kiselim rastvorima s ciljem dobivanja glinice i soli alkalnih metala / Kinetics and Mechanism of Alunite Alkali Treatment by Alkaline and Acid Solutions with the Aim of Obtaining Hydrated Alumine and the Salts of Alkaline Metals	22	(1983)	3/4	47-52
347.	<i>V. Novosel – Radović</i>	Uklanjanje efekata heterogenosti u analizi uzoraka praha spektrometrijom x-zraka / Elimination of Heterogeneity Effect in the Analysis of Powder Sample by X-ray Spectrometry	22	(1983)	3/4	53-58
348.	<i>L. Lazić</i>	Utjecaj temperature predgrijanja uzduha na karakteristike procesa izgaranja zemnog plina / The Influence of the Air Preheating Temperature on the Characteristics of the Earth Gas Combustion Process	22	(1983)	3/4	59-65
349.	<i>Urednički odbor</i>	Inovacije u SOOR MK "Željezara Sisak" Sisak	22	(1983)	3/4	66-68

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350.	<i>V. Matić</i>	Korelacija između ukupnog sadržaja sumpora u koksu i ugljenoj mješavini / The Correlation of Total Sulphur Content in Coke and Coking Coal Mix	23	(1984)	1/2	3-8
351.	<i>V. Simončič, M. Šolić</i>	Stanje zagađenosti zraka prašinom u industrijskom i urbanom području grada Siska / The State of Air Pollution by Dust Particles in Urban and Industrial Area of Sisak	23	(1984)	1/2	9-14
352.	<i>M. Filipović, Ž. D. Živković</i>	Prerada konvertorske prašine u konvertorima Topionice bakra u Boru uz prethodno briketiranje / Converter Dust Processing in Copper Melting Plant in Bor with Precursory Bricqueting	23	(1984)	1/2	15-20
353.	<i>D. Sokolean</i>	Izvori grešaka u analizi spektrometrijom emisije x-zraka / Sources of Errors in X-ray Emission Spectrometry Analysis	23	(1984)	1/2	21-24
354.	<i>T. Soflić, M. Kesić – Racan</i>	Utjecaj otapala na osjetljivost spektrometrije emisije x-zraka u analizi kapljevine / The Influence of the Solvent on the Sensitivity of X-ray Emission Spectrometry in the Analysis of Liquid Samples	23	(1984)	1/2	25-30
355.	<i>M. Kesić – Racan</i>	Priprema metalnih površina uzorka u analizi spektrometrijom emisije x-zraka / Preparation of the Metal Specimen Surfaces in the X-ray Emission Spectrometry Analysis	23	(1984)	1/2	31-35
356.	<i>Ž. D. Živković, J. Črnko</i>	Prikaz novih knjiga	23	(1984)	1/2	36-37
357.	<i>L. Lazić</i>	Matematički model rekuperatora zračenja / The Mathematical Model of a Radiant Recuperator	23	(1984)	3/4	41-48
358.	<i>D. Navala, M. Čosić</i>	Studija procesa stvaranja mulita. I. Fazne i morfološke transformacije u zagrijavanom kaolinu / The Study of Mulite Production Process. I. Phase and Morphological Transformation	23	(1984)	3/4	49-56
359.	<i>D. Sokolean</i>	Mogućnost korekcije uticaja osnove u analizi spektrometrijom emisije x-zraka / The Possibility of Matrix Correction in X-ray Fluorescence Spectrometry	23	(1984)	3/4	57-60
360.	<i>M. Kesić – Racan</i>	Uzorkovanje tekućeg gvožđa u analizi spektrometrijom emisije x-zraka / The Sampling of Liquid Pig-iron for X-ray Emission Spectrometry Analysis	23	(1984)	3/4	61-66
361.	<i>T. Soflić</i>	Interelementarni efekti u analizi kapljevine spektrometrijom emisije x-zraka; Grafičko određivanje α -korekcijskog koeficijenta / Inter-element Effects in X-ray Emission Spectrometry of Liquid Samples; Graphic Method for Determination of α -corection Coefficient	23	(1984)	3/4	67-72
362.	<i>N. Nenadić, R. Dmitrović, D. Bauman</i>	Primjena kvantitativne elektronske mikroanalize / The Application of Quantitative X-ray Electron Microanalysis	23	(1984)	3/4	73-76
363.	<i>V. Živanović – Magdić, I. Šimić</i>	Određivanje arsena u riječnoj vodi metodama spektroskopije atomske apsorpcije uz postupak razvijanja arsina / Determination of Arsenic in the River Water by Atomic Absorption Methods with Arsine Generation Procedure	23	(1984)	3/4	77-80
364.	<i>R. Pavlović</i>	Izgledi industrije čelika u sadašnjim odnosima privrede i društva u svijetu	23	(1984)	3/4	81-83
365.	<i>Urednički odbor</i>	In memoriam Prof. Juraj Bedenicki	23	(1984)	3/4	84
366.	<i>V. Novosel – Radović, M. Balenović, F. Šafar</i>	Promjena mikrostrukturnih parametara čelika N-80 normalizacijom / The Change of Microstructural Parameters in Steel N-80 by Normalization	24	(1985)	1	3-8
367.	<i>Da. Maljković, I. Peštelić, Du. Maljković</i>	Utjecaj željezo (III) klorida na određivanje litija, natrija, kalija i kalcija fotometrijom emisije u plamenu / The Influence of Iron (III) Chloride on the Determination of Lithium, Sodium, Potassium and Calcium on Flame Photometry	24	(1985)	1	9-14
368.	<i>J. Krajcar</i>	Mogućnost smanjenja broja formata i povećanja udjela kontinuirano lijevanih blumova za valjaonicu bešavnih cijevi / The Possibility of Formate Number Decrease and Increase of the Share of Continuous Cast Blooms for the Seamles Rolling Mill	24	(1985)	1	15-20

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369.	<i>R. Križanić, B. Krajcar, M. Preloščan</i>	Precizne šavne cijevi sposobne za hladnu deformaciju bez prethodnog žarenja / The Production of Precise Welded Tubes for Special Purposes	24	(1985)	1	21-28
370.	<i>M. Preloščan, A. Preloščan, V. Živanović – Magdić</i>	Utjecaj termomehaničke obrade na proces izlučivanja niobija u visokočvrstim konstrukcijskim čelicima / The Influence of Thermomechanical Treatment on the Process of Niobium Precipitation in High-alloy Construction Steel	24	(1985)	1	29-34
371.	<i>S. Spužić</i>	Osvrt na proučavanje metalnih materijala	24	(1985)	1	35
372.	<i>Urednički odbor</i>	Obradene inovacije za 1983 godinu u MK "Željezara Sisak" Sisak	24	(1985)	1	36-40
373.	<i>V. Živanović – Magdić</i>	Usporedba različitih postupaka analize lebdeće prašine metodama spektrometrije atomske apsorpcije / The Comparison of Different Procedures of the Analysis of Air Borne Particles by the Methods of Atomic Absorption Spectrometry	24	(1985)	2	43-48
374.	<i>R. Križanić, Đ. Nikolić, I. Horvat</i>	Površina dodirne plohe valjane cijevi i valjka trovaljkastog ovalnog kalibra / The Contact Plane Surface of the Rolled Tube and Rolls of the Three Roll Oval Caliber	24	(1985)	2	49-56
375.	<i>R. Pavlović</i>	Mogućnosti poboljšanja proizvodnje metalurškog koksa uzimajući u obzir specifičnosti Koksare Bakar / The Possibility of the Improvement of Metallurgical Coke Production Considering the Specific Qualities of Koksara Bakar	24	(1985)	2	57-68
376.	<i>J. Krajcar</i>	Mjere za smanjenje potrošnje feromangana u MK Željezari Sisak / Measures to Reduce the Consumption of Ferromanganese in Željezara Sisak	24	(1985)	2	69-74
377.	<i>P. Vuksanović</i>	Problemi termičkog tretmana cementacije kod zupčanika od čelika kvaliteta Č. 5421 / Some Problems Arising During Heat Treatment of Case Hardening on Steel Toothed Wheels Quality Č. 5421 (JUS)	24	(1985)	2	75-80
378.	<i>V. Novosel – Radović, F. Šafar</i>	Maseni udio željeza, kalcija i silicija pokazatelj faznog sastava sintera / The Concentration of Iron, Calcium and Silicon as Indicator of the Sinter Phase Composition	24	(1985)	3	83-90
379.	<i>V. Kraker, I. Štern</i>	Doprinos poznavanju mehanizma djelovanja Al-Zn legura kao protektora za katodnu zaštitu / Contribution to the Knowledge of Efficiency of Al-Zn Alloys as Protectors at Cathodic Protection	24	(1985)	3	91-100
380.	<i>Ž. Adamić</i>	Utjecaj formiranja programa održavanja na povišenje efektivnosti tehničkih sistema / The Influence of Maintenance Programme Forming to the Increase of Technical Systems Efficacy	24	(1985)	3	101-106
381.	<i>N. Nenadić, R. Dmitrović, D. Bauman, N. Grbić</i>	Istraživanje heterogenih sistema kvantitativnom elektronskom mikroanalizom / Investigation of the Heterogenous Systems by the Quantitative X-Ray Electron Microanalysis	24	(1985)	3	107-116
382.	<i>V. Rajković</i>	Struktura i osobine niskougljičnog čelika za oblikovanje u presama / Structure and Properties of Low-carbon Sheet Steel for Forming Application	24	(1985)	3	117-122
383.	<i>L. Lazić, M. Kundak</i>	Analiza mogućnosti iskorištenja otpadnih toplina SM peći / The Analysis of the Possibility of Waste Heat Utilisation in SM-Furnaces	24	(1985)	3	123-130
384.	<i>T. Soflić</i>	Određivanje cerija u visokolegiranom čeliku spektrometrijom emisije X-zraka / Determination of Cerium in High-Alloy Steel by X-Ray Emission Spectrometry	24	(1985)	3	131-139
385.	<i>Ž. Adamić</i>	Razvoj novih strategija održavanja prema stanju u industriji čelika / Development of New Maintenance Strategies According to Condition in Steel Industry	24	(1985)	4	143-154

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386.	<i>Du. Maljković, I. Peštelić</i>	Dobivanje amonij sulfata iz koksnog plina postupkom kontrolirane kristalizacije / Production of Ammonium Sulphate from Coke Oven Gas by Controlled Crystallisation Procedure	24	(1985)	4	155-160
387.	<i>M. Malina, A. Preloščan, J. Butorac</i>	Tendencije razvoja proizvodnje čeličnih cijevi za naftnu industriju / Development Tendencies in Steel Tube Production for Oil Industry	24	(1985)	4	161-168
388.	<i>M. Kesić – Racan, P. Matković</i>	Uzorkovanje tekućeg gvožđa toplim prešanjem / The Sampling of Liquid Pig-Iron by Hot Pressure	24	(1985)	4	169-172
389.	<i>M. Lončar</i>	Ispitivanje antikorozijskih karakteristika sredstvima za privremenu zaštitu čeličnih proizvoda / The Investigation of the Protective Properties of the Substances for the Temporary Protection of Steel Products	24	(1985)	4	173-178
390.	<i>V. Grozdanić</i>	Prijedlog pojednostavljenja metode određivanja potrošnje kisika i vremena propuhivanja taline pri proizvodnji čelika u bazičnoj elektrolučnoj peći / The Proposal of the Simplification of the Method for the Determination of the Oxygen Consumption in Basic Electric-arc Furnace	24	(1985)	4	179-181
391.	<i>M. Čosić, D. Navala, V. Kovačić</i>	Valorizacija septentinta, I. Toplinska razgradnja serpentinita i reakcija dobivanja forsterita / Valorization of serpentinite, I. Thermal Decomposition of Serpentine and the Reaction of Forsterite Formation	25	(1986)	1	3-10
392.	<i>D. Sokolean</i>	Fizikalno-kemijske metode analize u proizvodnji tvrdog metala / Physical and Chemical Methods of Analysis in Hard-Metal Production	25	(1986)	1	11-16
393.	<i>S. Trtak</i>	Utjecaj postupka proizvodnje na kvalitetu toplovaljanih i vučenih Stelmor žica / The Influence of the Production Procedure to the Quality of Hot-Rolled and Drawn Steelmore Wires	25	(1986)	1	17-20
394.	<i>S. Stojadinović, D. Paštrović – Čikara, B. Stanojević, D. Marković</i>	Određivanje termomehaničkih parametara prerade čelika za izradu mlinskih kugli kovanjem / Determination of Steel Processing Thermomechanical Parameters for Ball Mill Production by Forging	25	(1986)	1	21-26
395.	<i>V. Grozdanić</i>	Proizvodnja čeličnih kokila od nodularnog lijeva / The Production of Ductile Cast Iron Ingot-Moulds	25	(1986)	1	27-32
396.	<i>H. Baum</i>	Prilog kvantitativnoj analizi količina izolata ispitivanjem elektronskom mikroskopom / Contribution to Quantitative Electron Microanalysis of Small Quantities of Isolates	25	(1986)	1	33-36
397.	<i>V. Novosel – Radović, T. Sofilić, J. Kocijančić, M. Pejnović</i>	Studij homogenosti standardnog uzorka troske visoke peći / Study of Standard Sample Homogeneity of Blast Furnace Slag	25	(1986)	2	39-44
398.	<i>R. Dmitrović, P. Matković</i>	Doprinos istraživanju rekristalizacije niskolegiranih čelika / Contribution to the Investigation of Low-alloyed Steel Recrystallization	25	(1986)	2	45-50
399.	<i>V. Grozdanić</i>	Napajanje čeličnih odljevaka / Feeding of Steel Castings	25	(1986)	2	51-58
400.	<i>N. Tasić</i>	Toplota valjanja i način njenog odvođenja / The Heat at the Rolling Performance and Efficiency of the System for its Taking Away	25	(1986)	2	59-66
401.	<i>T. Sofilić</i>	Opravdanost primjene prethodne obrade uzoraka kod određivanja cerija u lijevanom željezu i visokolegiranom čeliku spektrometrijom emisije x-zraka / Application Justification of Specimen Pre-treatment at Determination of Cerium in Cast Iron and High-alloy Steel by X-ray Emission Spectrometry	25	(1986)	2	67-72
402.	<i>Z. Krakar</i>	Primjena statističkog paketa programa na primjeru jednog skladišta uloška / Application of the Statistical Package Programs to an Example of a Charge Warehouse	25	(1986)	2	73-76
403.	<i>I. Mamuzić</i>	Prilog koncipiranju novog nastavnog plana na Metalurškom fakultetu Sisak	25	(1986)	2	77-81
404.	<i>J. Črnko</i>	Kratki prilog diskusiji o koncipiranju studija metalurgije u Sisku	25	(1986)	2	82-84

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405.	<i>T. Matković, M. Kesic – Racan, P. Matković</i>	Istraživanje faznih dijagrama željezo-cirkonij i kobalt cirkonij u području bogatijem cirkonijem / Phase Studies on the Iron-Zirconium and Cobalt-Zirconium System in the Zr-Rich Region	25	(1986)	3	87-92
406.	<i>R. Pavlović</i>	Fenomenološka kinetika redukcije željeza / Phenomenological Kinetics of Iron Ore Reduction	25	(1986)	3	93-98
407.	<i>L. Lazić</i>	Pregled grešaka i metoda mjerenja temperature plinova izgaranja / The Review of the Errors and the Methods for Burnt Gases Temperature Measurement	25	(1986)	3	99-104
408.	<i>H. Hromić, V. Jokanović</i>	Korištenje visokopečne troske u svijetu / The Blast Furnace Slag Utilization in the World	25	(1986)	3	105-110
409.	<i>V. Rajković</i>	Utjecaj sastava i termomehaničke prerade na strukturu i osobine niskougljičnog čelika za oblikovanje u presama / The Effect of Composition and Thermomechanical Processing on Structure and Properties of Low-Carbon Sheet Steel for Forming Application	25	(1986)	3	111-116
410.	<i>V. Živanović – Magdić, M. Preloščan</i>	Povećanje osjetljivosti određivanja niobija u čeliku i izoliranim precipitatima čelika primjenom AAS metoda / Increasing of Niobium Determination Sensitivity in Steel and Isolated Precipitates of Steel by AAS Methods	25	(1986)	3	117-122
411.	<i>P. Repas</i>	Određivanje sadržaja elemenata u tragovima u uzorcima od baždarnog materijala / Determination of Elements in Traces in Calibration Samples	25	(1986)	3	123-128
412.	<i>B. Luft, H. J. Eckstein</i>	Prilog istraživanju izlučina u zavarenim konstrukcijskim čelicima povišene čvrstoće / Contribution to the Research of Precipitates in Weldable Structural Steel of Increased Strength	25	(1986)	3	129-134
413.	<i>G. Karoly, B. Vorsatz</i>	Noviji rezultati određivanja sadržaja uključaka u čelicima / Recent Results of Inclusion Content Determination in Steel	25	(1986)	3	135-138
414.	<i>D. Navala, M. Čosić, E. Tkalčec</i>	Studija procesa stvaranja mulita: II-Parametri sinteze mulita u smjesi kaolin – aluminij oksid / The study of Mullite Production Process: II Part – Mullite Synthesis Parameters in the Mixture Kaolin – Alumina	25	(1986)	4	141-146
415.	<i>V. Novosel – Radović, Da. Maljković</i>	Parametri vrednovanja upotrebljivosti veziva u spektrometriji emisije x-zraka / Parameters for Usability Evaluation of Binders in X-ray Emission Spectrometry	25	(1986)	4	147-152
416.	<i>Z. Lenhard, Da. Maljković, M. Balen</i>	Istraživanje luženja kobalta, nikla i željeza sulfatnom kiselinom iz domaće rude Goleš (II) / Investigation of Cobalt, Nickel and iron Leaching by Sulfuric Acid from Yugoslav Ore Goleš Origin	25	(1986)	4	153-158
417.	<i>H. Hromić, V. Jokanović</i>	Analiza mogućnosti korištenja visokopečne troske Željezare Zenica / Analysis of the Blast Furnace Slag Utilization Possibilities in Zenica Iron and Steel Works	25	(1986)	4	159-162
418.	<i>I. B. Ristevski</i>	Primena parcijalnih jednačina u reakcionoj difuziji binarnog sistema sa n-faza i (n-1)-faznih granica / Application of partial Equations in Reactional Diffusion of Binary System with n-Phase and (n-1)-Phase Limits	25	(1986)	4	163-168
419.	<i>M. Kundak</i>	Utjecaj vremena ulaganja i progrijavanja krutog uložka na ukupno trajanje procesa kod proizvodnje čelika u SM pećima / Influence of Charging Time and Solid Charge Soaking to the Duration of Complete Steel Production Process in SM-furnaces	25	(1986)	4	169-173
420.	<i>Urednički odbor</i>	Obrađene inovacije za 1985 godinu u MK “Željezara Sisak” Sisak	25	(1986)	4	174-178
421.	<i>P. Pavlović</i>	In memoriam Dr. Ing. Reiner Zimmerman	25	(1986)	4	179
422.	<i>Z. Lenhard, Da. Maljković, M. Balen</i>	Istraživanje luženja kobalta, nikla i željeza kloridnom kiselinom iz domaće rude Goleš / Investigation of Cobalt, Nickel and Iron Leaching by Hydrochloric Acid from Yugoslav Ore of Goleš Origin	26	(1987)	1	3-8
423.	<i>R. Pavlović</i>	Reaktivnost koksa prema ugljičnom dioksidu Coke Reactivity to CO ₂	26	(1987)	1	9-16

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424.	<i>J. Krajcar, A. Ivančan, V. Kovačić, V. Novosel – Radović</i>	O izolacionoj sposobnosti i ponašanju pri taljenju livnih praškova / Insulation Ability and Melting Behaviour of Casting Powders	26	(1987)	1	17-22
425.	<i>V. Mikšić</i>	Pregled instrumenata za uzimanje uzoraka prašine / A review of Instruments for Dust Sampling	26	(1987)	1	23-26
426.	<i>D. Golubović</i>	Karakteristike strategije preventivnog održavanja / Features of Preventive Maintenance Strategy	26	(1987)	1	27-30
427.	<i>N. Dervišević, V. Jakanović</i>	Prilog kvantitativnoj analizi alumosilikatnih materijala difrakcijom rendgenskih zraka / A Contribution to the Quantitative Analysis of Aluminium Silicate Material by X-Ray Diffraction Analysis	26	(1987)	1	31-35
428.	<i>I. Mamuzić</i>	25 godina časopisa "Metalurgija"	26	(1987)	2/3	39-44
429.	<i>J. Črnko, L. Lazić</i>	Jednodimenzionalni matematički model hlađenja slaba ili debele trake / One-dimensional Mathematical Model of Slab or Thick Strip Cooling	26	(1987)	2/3	45-52
430.	<i>M. Golja, I. Mamuzić</i>	Analičko određivanje prirodnog deformacijskog otpora / Analytical Determination of Natural Deformation Resistance	26	(1987)	2/3	53-58
431.	<i>M. Kesić – Racan, P. Matković</i>	Priprema vlastitih standarda gvožđa u anlizi spektrometrijom emisije x-zraka / Preparation of Our Own Standard Samples of Pig-Iron for X-ray Emission Spectroscopy Analysis	26	(1987)	2/3	59-68
432.	<i>A. Hensel</i>	Matematski model za valjanje sitnih profila i žice / Mathematical Model for Rolling of Small Profiles and Wires	26	(1987)	2/3	69-76
433.	<i>G. Oehlstoeter</i>	Utjecaj dužine vlačne sile i njena upotreba za intenzifikaciju toplog valjanog čipkastog materijala / The Influence of Longitudinal Drawing Stress and its Application at the Intensification of Hot Rolled Rod Material	26	(1987)	2/3	77-80
434.	<i>G. Oehlstoeter</i>	Mjerenje i regulacija dimenzije šipke i žice kod valjanja / Measurement and Regulation of Rod and Wire Dimensions at Rolling	26	(1987)	2/3	81-86
435.	<i>J. Črnko</i>	Prikaz knjige Ž. D. Živković i M. Filipović: "Silicijum karbid – Proizvodnja i primena"	26	(1987)	2/3	87
436.	<i>M. Kundak</i>	Pregled mogućeg smanjenja potrošnje energije u željezarama / Review of Possible Reduction of Energy Consumption in Iron and Steel Plants	26	(1987)	4	91-96
437.	<i>J. Krajcar</i>	Kontinuirano lijevanje okruglica / Continuous Casting of Rouds	26	(1987)	4	97-102
438.	<i>I. B. Ristevski</i>	Matematičko modeliranje temperaturnog režima metala pri doduvavanju u LD-konvertoru / Mathematical Modelling over the Process of Additional Blowing Metal in LD-Convertor	26	(1987)	4	103-108
439.	<i>R. Križanić</i>	Raspodjela brzina u zoni deformacija i proračun broja okretaja pri kontinuiranom toplom valjanju cijevi na izvlačno-reduciranom stanju / Speed Distribution in the Deformation Zone and Calculation of Number of Revolution at Continuous Hot Rolling of Tube on SRM	26	(1987)	4	109-116
440.	<i>N. Tasić</i>	Potrebna snaga i energija za valjanje – promena momenta i energetske bilans / Power and Energy Necessary for Rolling (Moment Variations and Energy Balance)	26	(1987)	4	117-124
441.	<i>V. Mikšić</i>	Instrumentalne tehnike i metode analize štetnih tvari u zoni radnog mjesta / A Review of Instrumental Technics and Methods for Analysis of Dust	26	(1987)	4	125-129
442.	<i>R. Križanić, Đ. Nikolić</i>	Proračun površine poprečnog presjeka stijenke cijevi pri valjanju na izvlačno-reduciranom stanju / Calculation of Tube Wall Cross-Section Surface at Rolling on Strech Reducing Mill	27	(1988)	1/2	3-12
443.	<i>Du. Maljković, Da. Maljković, A. Paulin</i>	Utjecaj cikloheksana kao razrjeđivača na ekstrakciju u sistemima koji sadrže diizopropilni eter / The Effect of Cyclohexane as Diisopropyl Ether	27	(1988)	1/2	13-16

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444.	<i>J. Plepelić</i>	Razvoj proizvodnje bešavnih cijevi / Development of Seamless Tube Production	27	(1988)	1/2	17-30
445.	<i>M. Košutić</i>	Pristup inženjera konstruktora tehnologiji ionskog nitritiranja / The Approach of a Mechanical Engineer to the Technology of Ionitriding	27	(1988)	1/2	31-36
446.	<i>F. Unkić, S. Tounec</i>	Mogućnost primjene siliciranog visokopećnog sirovog željeza prvog taljenja i čelika za proizvodnju čeličanskih kokila / The Possibility of Ingot Mould Production of Synthetic Blas Furnace Pig Iron After First Melting and Unalloyed Cast Steel	27	(1988)	1/2	37-44
447.	<i>M. Ž. Pantić</i>	Utvrđivanje analitičke zavisnosti dimenzija toplo i hladnovaljanih traka / The Establishment of Analytical Dependence of Hot Rolled and Cold Rolled Strips	27	(1988)	1/2	45-50
448.	<i>A. Horvat, P. Horvat</i>	Određivanje konstanti (modula) elastičnosti čelika mjerenjem brzina ultrazvučnih valova u njima / The Determination of Elastic Constants (Moduli) of Steels by Measurement of Velocity of Ultrasonic Waves in Them	27	(1988)	1/2	51-54
449.	<i>V. Novosel – Radović, T. Sofilić, J. Kocijančić, M. Pejnović</i>	Efekt heterogenosti i točnosti određivanja silicija (u željeznoj rudi limonit) metodom spektrometrije x-zraka / The Effect of Heterogeneity and Accuracy of Silicon Determination (in Limonite Iron Ore) by X-Ray Emission Spectrometry	27	(1988)	3	57-60
450.	<i>M. Gojić, M. Malina</i>	Utjecaj metalurških faktora na otpornost visokočvrstih niskolegiranih čelika prema sulfidnoj naponskoj koroziji Influence of Metallurgical Factors on Sulphide Stress Corrosion Resistance of HSLA Steels	27	(1988)	3	61-68
451.	<i>J. Krajcar, V. Novosel – Radović, A. Ivančan, R. Dmitrović</i>	Promjena u sastavu livnog praha i čelika pri kontinuiranom lijevanju / Changes in Mould Powder and Steel Composition at Continuous Casting	27	(1988)	3	69-74
452.	<i>V. Ferketić, J. Krajcar, S. Janjanin, A. Ivančan, Ž. Kendi</i>	Obrada tekućeg čelika CaSi žicom / Liquid Steel Treatment by CaSi	27	(1988)	3	75-82
453.	<i>S. Janjanin, J. Krajcar, V. Ferketić, A. Ivančan, Ž. Kendi, N. Hrvatov – Crljenica</i>	Promjene sadržaja plinova u čeliku u različitim fazama procesa / The Changes in Gas Content in Steel in Different Process Stages	27	(1988)	3	83-88
454.	<i>V. Mikšić, V. Novosel – Radović, T. Sofilić, N. Nenadić, D. Stojadinović</i>	Analiza polutanata u zoni radnog mjesta upotrebom različitih metoda analize / The Analysis of Pollutants at Work Place with Use of Different Methods	27	(1988)	3	89-98
455.	<i>J. Kocijančić, T. Markušić, V. Papišta</i>	O problematici dijeljenja sipkih sirovina kod pripreme uzoraka za kemijska i fizikalna ispitivanja / On Division Problems of Power Raw Materials at the Preparation of Samples for Chemical and Physical Investigation	27	(1988)	3	99-103
456.	<i>M. Metikoš – Huković, M. Sancin</i>	Kritične vrijednosti veličina koje utječu na tenzokoroziju austenitnog 18Cr-9Ni čelika u kipućoj MgCl ₂ otopini / Critical Values of the Parameters Influencing Stress Corrosion of Austenitic 18Cr-9Ni Steel in Boiling MgCl ₂ Solution	27	(1988)	4	107-114
457.	<i>L. Lazić, J. Črnko, Z. Jurković</i>	Dvodimenzionalni matematički model hlađenja čeličnih poluproizvoda pravokutnog presjeka / Two-dimensional Mathematical Model of Cooling Rectangular Steel Semiproduct	27	(1988)	4	115-126
458.	<i>S. Rešković, A. Preloščan, H. Pašalić</i>	Poboljšanje svojstava toplovaljane trake mikrolegiranjem niobijem / Improvement of the Properties of Niobium Microalloyer Hot-Rolled Strip	27	(1988)	4	127-134
459.	<i>Đ. Demirović, N. Berberović</i>	Anomalije perlita / Anomaly Pearlite	27	(1988)	4	135-137
460.	<i>D. Jurić, V. Jokanović, Ž. Kozić</i>	Analiza uzroka pada temperature taline u fazi od završetka izrade u konvertoru do početka njenog livenja / Analysis of the Causes for Heat temperature Drop in the Phase from the End of Production in Converter to the Beginning of its Casting	27	(1988)	4	138-144

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461.	<i>S. Paulin, D. Vranešević, D. Tominac</i>	Konceptcija rekonstrukcije i izgradnje aglomeracije Željezare Sisak, Sisak	27	(1988)	4	145-148
462.	<i>M. Metikoš – Huković, M. Sancin</i>	Utjecaj mikrostrukture na tenzo koroziju dupleks austenitno-martenzitnih čelika / Effect of Microstructure on Stress Corrosion Cracking in Duplex Austenite-Martensite Steel	28	(1989)	1	3-10
463.	<i>Ž. D. Živković, N. Milosavljević</i>	Prilog proučavanju sistema Fex S y -O ₂ / Contribution of the Study of Fex S y -O ₂ System	28	(1989)	1	11-16
464.	<i>B. Z. Dačić</i>	Vodonik u metalima – I. dio / Hydrogen in Metals – I. Part	28	(1989)	1	17-26
465.	<i>M. Preloščan, V. Živanović – Magdić, V. Novosel – Radović</i>	Izolacija i identifikacija faza kroma i molibdena u niskolegiranim čelicima / Isolation and Identification Chromium and Molybdenum Phases in Low-alloyed Steels	28	(1989)	1	27-30
466.	<i>B. Iharoš</i>	Historijat razvoja proizvodnje čeličnih cijevi	28	(1989)	1	31-35
467.	<i>Dž. Dozić, V. Novosel – Radović, M. Čop</i>	Mehanizam trošenja šamotnih opeka u vatrostalnoj oblozi čeličanskog livnog lonca / Wear Mechanism of Fire-clay Bricks with Lower Content of Al ₂ O ₃ Used for Steel Plant Casting Ladles	28	(1989)	2	39-47
468.	<i>B. Z. Dačić</i>	Vodonik u metalima – II. dio / Hydrogen in Metals – II. Part	28	(1989)	2	49-57
469.	<i>A. Grgurač, S. Ivaniš, V. Papišta, M. Vuković</i>	Efekti topljenja krupne rude iz Omarske u visokim pećima Željezare Sisak / Blast Furnace Melting Effects of Omarska Iron Ore in Works Željezara Sisak	28	(1989)	2	59-65
470.	<i>D. Jurić, M. Pašalić</i>	Proračun potrebne temperature izljeva taline iz kiseoničkog konvertora / Calculation of the Necessary Tap-off Temperature of the Melt from the Oxygen Converter	28	(1989)	2	67-71
471.	<i>M. Golja, I. Mamuzić</i>	Doprinos određivanja naprežanja tečenja metala pomoću računala / Contribution to the Determination of Metal Flow Stress by Means of Computer	28	(1989)	2	73-76
472.	<i>Š. Sinai</i>	Ocjena stanja napetosti u kori kontinuiranog lijevanja slabova kod promjene tehnoloških uvjeta lijevanja / State of Stress Evaluation in the Skin of Conti Slabs at the Variation of Technological Casting Conditions	28	(1989)	3/4	79-82
473.	<i>L. Lazić, J. Črnko, Z. Jurković</i>	Matematički model hlađenja čeličnog poluproizvoda osmerokutnog presjeka / Mathematical Model of Cooling of Octogonal Steel Semiproduct	28	(1989)	3/4	83-89
474.	<i>J. Krajcar, V. Kovačić, V. Novosel – Radović, M. Čop, A. Ivančan, S. Janjanin, V. Ferketić</i>	Livni prah I. Funkcije, svojstva i metode ispitivanja / Casting powder Part I. Functions, Properties and Investigation Methods	28	(1989)	3/4	91-98
475.	<i>B. Krajcar</i>	Mjerenja pri kontinuiranom lijevanju čelika / Measurements in Continous Casting of Steel	28	(1989)	3/4	99-102
476.	<i>V. Grozdanić</i>	Toplinska obrada odljevaka od ČL.4733 i ČL.5430 otpornih na trošenje / Heat Treatment of Wear-Resistant Steel Casting Grade ČL.4733 and ČL.5430	28	(1989)	3/4	103-105
477.	<i>V. Jokanović, D. Jurić Ž. Kozic, A. Mešić</i>	Izdržljivost vatrostalnog materijala za ozid livnih kazana i uslovi eksploatacije / Durability of Refractory Materials Used for Ladle Lining Depends on the Type of Refractory Material, its Quality and Conditions under wich the Exploitation is Done	28	(1989)	3/4	107-112
478.	<i>J. Trpčevska, M. Chachalak, N. Ganev</i>	Toplinska obrada površine čelika laserom i zaostala naprežanja / Laser Heat Treatment of Steel Surface and Residual Stresses	28	(1989)	3/4	113-115
479.	<i>D. Šulik</i>	Sadržaj fosfora i mikroporoznost Hadfield-ova čelika / Phosphorus Content and Microporosity in the Hadfield-s Steel	28	(1989)	3/4	117-122
480.	<i>P. Matković, T. Matković, I. Vicković</i>	Kristalna struktura intermetalnog spoja FeZr ₃ / The Crystalline Structure of the Intermetallic Compound FeZr ₃	29	(1990)	1	3-6

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481.	<i>V. Novosel – Radović, Da. Maljković</i>	Doprinos tehnike difrakcije x-zraka i spektrometrije emisije x-zraka analizi polikristaliničnih uzoraka / Contribution of X-Ray Diffraction and X-Ray Emission Spectrometry to Analysis of Polycrystalline Samples	29	(1990)	1	7-10
482.	<i>T. Stafilov</i>	Primjena atomske apsorpcione spektrometrije za analizu gvožđa i čelika. I. Primjena plamene atomske apsorpcione spektrometrije / Application of atomic absorption Spectrometry to the analysis of iron and steel. I. Application of Flame Absorption Spectrometry	29	(1990)	1	11-18
483.	<i>V. Ivanušić</i>	Primjena gama-spektrometrije u zaštiti čovjekove okoline / Some Possibilities of Gamma Spectrometry Application of Enviromental Protection	29	(1990)	1	19-22
484.	<i>J. Krajcar</i>	Livni prah II. Ispitivanje djelovanja praha pri lijevanju čelika / Casting Powder Part II: Testing of Powder Effect at Steel Casting	29	(1990)	1	23-30
485.	<i>M. Kesić – Racan, P. Matković</i>	Analiza čelika legiranog s niklom u funkciji kontrole metalurških procesa / Analysis of Nickel Alloyed Steel in Metallurgical Control	29	(1990)	1	31-36
486.	<i>T. Stafilov</i>	II. Primjena atomske apsorpcione spektrometrije za analizu gvožđa i čelika. Primena elektrotermičke atomske apsorpcione spektrometrije / Application of atomic absorption spectrometry to the analysis of iron and steel. II. Application of Electrothermal Atomic Absorption Spectrometry	29	(1990)	2/3	39-44
487.	<i>I. Mamuzić, A. Hensel</i>	Razvojne tendencije tehnologije plastične prerade metala / The Development Trends in Plastic Forming of Technology of Metals	29	(1990)	2/3	45-52
488.	<i>J. Plepelić</i>	Optimalizacija uloška za proizvodnju bešavnih cijevi primjenom novog postupka bušenja na tlačno valjačkom stanu / The Optimization of the Charge for the Production of Seamless Tube Using the New Developed Piercing Procedure on the Press-Piercing-Mill (PPM)	29	(1990)	2/3	53-58
489.	<i>Du. Maljković</i>	III Savjetovanje s međunarodnim učešćem: “Problemi analitičke kemije u metalurgiji”	29	(1990)	2/3	60
490.	<i>D. Kunze</i>	Expert Systems – Also for Chemists? / Ekspertni sistemi – i za kemičare?	29	(1990)	2/3	61-68
491.	<i>B. Luft</i>	Use of Glow Discharge for the Analysis of Small Samples / Upotreba luminiscentnog pražnjenja u plinovima u analizi malih uzoraka	29	(1990)	2/3	69-72
492.	<i>H. Bombach, K. Hein</i>	Nonferrous Metallurgy and Analytical Chemistry / Obojena metalurgija i analitička kemija	29	(1990)	2/3	73-78
493.	<i>G. Hein</i>	Determination of Trace Elements in Steel by Means of Flame Atomic Absorption Spectrometry / Određivanje elemenata u tragovima u čeliku pomoću plamene atomske apsorpcione spektrometrije	29	(1990)	2/3	79-82
494.	<i>H. Schneider, K. Artl</i>	Investigation of the Process of Selection of Samples and the Analysis of Hydrogen in Liquid Steel / Ispitivanje postupaka odabiranja uzoraka i analiza vodika u tekućem čeliku	29	(1990)	2/3	83-88
495.	<i>I. Mamuzić</i>	30. godina visokoškolske nastave i organiziranog znanstveno-istraživačkog rada u Sisku	29	(1990)	4	91-92
496.	<i>K. Mažuranić, K. Moskaliuk, A. Horvat</i>	Određivanje nikla u čelicima metodom remisije spektrometrije / Determination of Nickel in Steel by Remission Spectrometry	29	(1990)	4	93-96
497.	<i>J. Krajcar</i>	Livni prah: III. dio – Izbor i primjena praha za kontinuirano lijevanje čelika / Casting powder – Part III. Selection of Casting Powder for Continuous Casting of Steel	29	(1990)	4	97-102
498.	<i>J. Črnko</i>	Aspekti matematičkog modeliranja primarnih postupaka ukрупnjavanja sitne željezovite rude / Aspects of Mathematical Modelling Primary Procedures of Minute Ferrous Ore Agglomeration	29	(1990)	4	103-110

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499.	V. Živanović – Magdić, M. Preloščan	Interelementne interferencije pri određivanju vanadija metodom spektrometrije atomske apsorpcije / Interelement Interferences at Vanadium Determination by Atomic Absorption Spectrometry Method	29	(1990)	4	111-114
500.	Z. Blažević	Tlak para lakih metala / Vapour Pressure of Non-Ferrous Metals	29	(1990)	4	115-118
501.	D. Živković, A. Markotić, V. Trujić	Mogućnost bilansiranja uz upotrebu koncentrata Majdanpek u proizvodnji gvožđa / Possibilities of Balancing in Iron Production by Using Majdanpek Concentrate	29	(1990)	4	119-122
502.	V. Grozdanić	Vruće pukotine u čeličnim odljevcima i mjere za njihovo sprečavanje / Hot Tears in Steel Casting and Preventive Measures	29	(1990)	4	123-128
503.	E. Romhanji, V. Milenković, Đ. Drobnyak	Utjecaj veličine zrna, teksture i sadržaja silicijuma na sposobnost dvoosnog razvlačenja – mesinga / Effect of Texture, Grain Size and Silicon Content on Limit Strain in Biaxial Stretching of 76/24 Silicon Brass	30	(1991)	1/2	3-10
504.	T. Soflić	Separacija elemenata rijetkih zemalja – I. dio / The Separation of Rare Earth Elements – Part I	30	(1991)	1/2	11-18
505.	T. Marjanović	Testiranje upotrebljivosti standarda u kvantitativnoj faznoj analizi difrakcijom rendgenskih zraka / Investigation of Usability of Standards for Quantitative Phase X-Ray Diffraction Analysis	30	(1991)	1/2	19-24
506.	S. Ivaniš, B. Hinić, V. Ferketić, D. Vuković	Odsumporavanje sirovog željeza upucavanjem magnezijske žice / Desulphurization of Pig Iron by Means of Magnesium Core Wire Insertion	30	(1991)	1/2	25-32
507.	V. Jokanović, D. Jurić, Ž. Kozic	Dilatazione osobine vatrostalnog materijala i mineraloške karakteristike veziva / Relationship of Refractory Material Dilatation and Fatigue with Binder Mineralogical Constitution	30	(1991)	1/2	33-38
508.	J. Krajcar, R. Dmitrović, A. Iharoš, V. Novosel – Radović, A. Ivančan, V. Đuričić	Površinski uključci na ingotima i cijevima / The Identification of Surface Inclusions in Steel Ingot and Tube	30	(1991)	1/2	39-46
509.	V. Grozdanić	Numerička simulacija skrućivanja čeličnog odljevka u pješčanom kalupu / Numerical Simulation of Steel Casting Solidification in Sand Mold	30	(1991)	1/2	47-50
510.	J. Črnko	Od Odsjeka za rudarstvo i metalurgiju na Tehničkom fakultetu u Zagrebu do Metalurškog fakulteta u Sisku	30	(1991)	1/2	51-52
511.	M. Gojić	Prikaz knjige “Materijal čelik” autora P. Pavlović-a	30	(1991)	1/2	53-54
512.	I. Mamuzić	Trideseta godina izdavanja časopisa “Metalurgija”	30	(1991)	3	57-61
513.	S. Rešković, A. Preloščan	Ponašanje čelika mikrolegiranog niobijem pri termo mehaničkoj obradi / Behaviour of Niobium Microalloyed Steel at the Thermomechanical Treatment	30	(1991)	3	63-74
514.	T. Stafilov	Primena elektrotermičke atomske apsorpcione spektrometrije u analizi uzoraka zastupljenih u procesima proizvodnje gvožđa i čelika / Application of Electrothermal Atomic Absorption Spectrometry in Analysis of Samples from Iron and Steel Production	30	(1991)	3	75-80
515.	V. Jačovski, R. Manojlović	Analiza promene toplofizičkih parametara čelika u zavisnosti od temperature / Change Analysis of the Thermophysical Steel Parameters Dependent on Temperature	30	(1991)	3	81-86
516.	T. Soflić, Da. Maljković	Utjecaj koncentracije nitratne kiseline u osnovi uzorka na osjetljivost određivanja cerija u kapljevitim uzorcima spektrometrijom emisije X-zraka / The Effect of Nitric Acid Concentration in the Samples Matrix on the Sensitivity of Cerium Determination in in Liquid Samples by X-Ray Emission Spectrometry	30	(1991)	3	87-90
517.	S. Ivaniš	Odsumporavajuća svojstva troske u visokim pećima Željezare Sisak / Desulphurization Slag Properties in the Blast Furnace of “Željezara Sisak”	30	(1991)	3	91-96

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518.	<i>J. Krajcar, J. Plepelić, J. Butorac, A. Ivančan, A. Iharoš, D. Vuković, V. Ferketić</i>	Površinske greške na ingotima i njihov odraz na vanjsku površinu bešavnih cijevi / Surface Defects on Ingots and Their Impact to the Outer Surface on Seamless Tubes	30	(1991)	3	97-108
519.	<i>D. Navala, M. Čosić, D. Ribarić</i>	Korozija alumosilikatnih opeka pregrijača zraka visoke peći / Corrosion Products Analysis of Aluminosilicate Bricks from the Blast Furnace Air Preheater	30	(1991)	3	109-115
520.	<i>L. Lazić, J. Črnko, Z. Jurković, M. Cvitković</i>	Matematički model hladnjaka kontinuirano lijevanih polu proizvoda / The Mathematical Model of the Cooler of Continuous Casting Steel Semiproduct	30	(1991)	4	119-124
521.	<i>M. Kundak</i>	Interpretacija brzine odugličjenja taline u realnim uvjetima / Interpretation of the Heat Decarburisation Speed in the Real Conditions	30	(1991)	4	125-130
522.	<i>I. Mamuzić, M. Golja, R. Križanić</i>	Doprinos istraživanjima utjecaja oligoelemenata na plastičnost čelika / Contribution to the Research of the Residual Elements Influence on the Steel Plasticity	30	(1991)	4	131-135
523.	<i>B. Iharoš, I. Mamuzić</i>	Određivanje sile vučenja kod hladnog vučenja čeličnih cijevi / Determination of Tensile Stress for Cold Drawing of Steel Pipes	30	(1991)	4	137-141
524.	<i>Ma. Kostelac, B. Iharoš</i>	Mogućnost smanjenja napetosti u cijevima – Logaritamska kalibracija / Stress Decrease Possibility in Tubes – Logarithmic Roll Pas Design	30	(1991)	4	143-148
525.	<i>J. Krajcar, V. Ferketić, D. Vuković</i>	Problemi kontinuiranog lijevanja čelika nakon prestrukturiranja i modernizacije pogona u Željezari Sisak / Problems with Continuous Casting of Steel After Restructuring and Modernization of Plants in the Sisak Steel Work	30	(1991)	4	149-154
526.	<i>S. Rešković, M. Narandić, D. Kukuruzović</i>	Mogućnost usvajanja proizvodnje toplovaljane trake mikrolegirane niobijem u Željezari Sisak / The Rolled Strip Production from the Niobium-Micro-Alloyed Steel	30	(1991)	4	155-160
527.	<i>M. Gojić, A. Preloščan, M. Malina</i>	Ispitivanje prokaljivosti niskolegiranih kromovih čelika modificiranih molibdenom i niobijem / Hardenability Testing of Low Alloyed Chromium Steel Modified by Molybdenum and Niobium	30	(1991)	4	161-165
528.	<i>F. Kováč, V. Jurko, B. Štefan</i>	Controlled Rolling and Recrystallization Controlled Rolling of Strip of Ti+V+N Steels / Kontrolirano valjanje i rekristalizacijom kontrolirano valjanje Ti+V+N čeličnih traka	31	(1992)	1	3-6
529.	<i>M. Kundak</i>	Doprinos vođenju zagrijavanja taline u rafinaciji pomoću analize dimnog plina / Contributing to the Leading of Melting Bath Heating in Refining by Means of Waste Gas Analysis	31	(1992)	1	7-14
530.	<i>I. Mamuzić, R. Turk, V. Balakin</i>	Modeliranje procesa plastične prerade metala / Modelling of Plastic Metal Processing	31	(1992)	1	15-20
531.	<i>V. Jačovski, R. Manojlović</i>	Utjecaj promjenljivosti toplofizičkih parametara na tačnost matematičkih modela iz oblasti toplofizike metala / Influence of Thermophysical Changes on the Mathematical Models Precision in the Metal Thermophysics	31	(1992)	1	21-26
532.	<i>M. Legin – Kolar, D. Ugarković A. Rastovčan – Mioč</i>	Reaktivnost ugljičnih elektroda prema CO / The Reactivity of Carbon Electrodes of Carbon Dioxide	31	(1992)	1	27-30
533.	<i>J. Kocijančić, T. Markušić</i>	Titrimetrijsko Određivanje antimona u bakrenim i kositrenim legurama / Titrimetric Determination of Antimony in Copper and Tin Based Alloys	31	(1992)	1	31-34
534.	<i>J. Krajcar, Ž. Kendi, A. Ivančan, D. Vuković, V. Ferketić</i>	Uzroci površinskih grešaka i mogućnosti poboljšanja površine ingota za bešavne cijevi / The Causes of Surface Defects and the Possibilities to Improve the Surface Quality of Ingot for Seamless Tubes	31	(1992)	1	35-42
535.	<i>B. N. Taylor</i>	Nove mjere standarda od 1990. godine	31	(1992)	1	43-47

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536.	<i>J. Billy, I. Mamuzić</i>	Supplement to the Investigation of Two-Phase $\alpha+\beta$ Titanium Alloys / Dodatak istraživanju $\alpha+\beta$ Ti legura	31	(1992)	2/3	49-52
537.	<i>J. Kijac</i>	Ways of Determination of Interaction Coefficients of Deoxidized and Microalloying Agents / Načini određivanja koeficijena dezoksidanata i mikrolegiranih elemenata	31	(1992)	2/3	53-56
538.	<i>J. Zrnik, P. Hroch</i>	High Temperature Creep Deformation in ZS 6U Nickel Base Superalloy / Deformacija puzanjem pri visokoj temperaturi u ZS 6U super-leguri na bazi nikla	31	(1992)	2/3	57-60
539.	<i>R. Križanić, I. Mamuzić, Đ. Nikolić</i>	Određivanje deformacijskog otpora visokočvrstog zavarivog konstrukcijskog čelika bainitnog tipa / Determination of Deformation Resistance of High-Strength Weldable Construction Steel with Bainitic Structure	31	(1992)	2/3	61-66
540.	<i>A. Pintarić, T. Filetin, V. Blažanović, D. Obradović</i>	Praćenje oblika, stanja i dimenzija čeličnih poluproizvoda / Traceability of Shapes, Conditions and Dimensions of Steel Semi-Products	31	(1992)	2/3	67-70
541.	<i>J. Črnko</i>	Osnovne značajke modernizacije zagrijevnih peći u valjaonicama za toplu preradu čelika / Modernization in Rolling Mills for Hot Processing of Steel	31	(1992)	2/3	71-76
542.	<i>M. Gojić</i>	Legure s efektom memorije oblika / Alloys with the Shape Memory Effect	31	(1992)	2/3	77-82
543.	<i>J. Krajcar, D. Vuković, A. Ivančan, I. Kovačić, V. Ferketić, J. Butorac, A. Iharoš, Z. Belošević, V. Babić</i>	Površinske greške čeličnog izvora na bešavnim cijevima / Surface Defects on Seamless Steel Tube Carried over by Charge Materials	31	(1992)	2/3	83-96
544.	<i>N. Berberović, Đ. Demirović</i>	Analiza oštećenja zavješena visećih pregrijača pare / Analysis of Damages of Hanging Steam Over-Heater Suspensions	31	(1992)	2/3	97-99
545.	<i>F. Vodopivec, A. Rodič, M. Kmetič, J. Žvokelj</i>	Rolling Temperature and Homogeneity of Austenite Grain Size in 0.15C-1Cr-1Mn Steels with Addition of Aluminium and Niobium / Temperatura valjanja i homogenost austenitnih zrna u čelicima s 0.15C-LCr-1Mn s dodatkom aluminija i niobija	31	(1992)	4	101-106
546.	<i>T. Matković, P. Matković</i>	Konstitucija telurida titana, cirkonija i hafnija / Constitutional Study of the Titanium, Zirconium and Hafnium Tellurides	31	(1992)	4	107-110
547.	<i>V. Novosel – Radović, Da. Maljković</i>	Utjecaj heterogenosti uzorka na mjerenje relativnih intenziteta u spektrometriji emisije X-zraka / Influence of Sample Heterogeneity on Relative Intensity Measurement in X-Ray Emission Spectrometry	31	(1992)	4	111-116
548.	<i>F. Cajner</i>	Istraživanje pojava pri popuštanju čelika Č.3840 / Examination on Phenomena During Tempering of Steel Č.3840	31	(1992)	4	117-124
549.	<i>V. I. Garan, V. M. Druyan, I. Mamuzić</i>	Ekspertni sustavi i njihova primjena u metalurgiji / Expert Systems and their Application to Metallurgy	31	(1992)	4	125-130
550.	<i>E. Virčikova, E. Reitznerova</i>	Determination of Arsenic Phases in the Flue Dust from Copper Production / Određivanje faza arsena u prašini otpadnog plina kod proizvodnje bakra	31	(1992)	4	131-134
551.	<i>J. Krajcar</i>	Budućnost proizvodnje sirovog čelika u Sisku / The Future Crude Steel Production in Sisak	31	(1992)	4	135-138
552.	<i>V. Jurko, F. Kováč, J. Boruta</i>	Plastometric Analysis of Microstructural Processes at Hot Working of Low Carbon Steels / Plastometrijska analiza mikrostrukturnih procesa kod hladne obrade niskougljičnog čelika	32	(1993)	1/2	3-6
553.	<i>O. Mironova, V. Druyan, I. Mamuzić</i>	Strukturne promjene u niskougljičnim čelicima kod termo mehaničke obrade / Structural Changes in Low-Carbon Steels During Thermomechanical Treatment	32	(1993)	1/2	7-16
554.	<i>B. Smoljan</i>	Optimalizacija postupka cikličke toplinske obrade čelika / The Optimization of Thermal Cycling Treatment of Steels	32	(1993)	1/2	17-22

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555.	<i>M. Kundak, J. Črnko</i>	Numerička simulacija utjecaja toplinske bilance na vođenje rafinacije taline u proizvodnji čelika / Numerical Simulation of the Heat Balance Influence on the Cast Refining in the Steel Production	32	(1993)	1/2	23-26
556.	<i>V. M. Drujan, V. I. Garan, I. Mamuzić</i>	Formation of Knowledge Bases of Expert Systems for Applied Problems in Ferrous Metallurgy / Oblikovanje baza ekspertnih sistema za primjenjene probleme u crnoj metalurgiji	32	(1993)	1/2	27-30
557.	<i>I. Mamuzić</i>	Metalni proizvodi u naftnim i petrokemijskim postrojenjima / Metal Products to Oil- and Petrochemical Equipments	32	(1993)	1/2	31-36
558.	<i>J. Krajcar, V. Kovačić</i>	Direktno reducirano željezo za proizvodnju čelika u elektrolučnoj peći / Directly Reduced Iron in Steel Production in Electric Arc Furnace	32	(1993)	1/2	37-42
559.	<i>J. Kijac</i>	Contribution to the Control of the Properties of Casting Powders / Prilog kontroli svojstava ljevačkih prahova	32	(1993)	1/2	43-50
560.	<i>A. Rađenović, M. Legin – Kolar, A. Rastovčan – Mioč</i>	Utjecaj vanadija na određivanje litija, natrija, kalija i kalcija u komponentama smjese za proizvodnju ugljičnih elektroda / The Influence of Vanadium on Determination of Lithium, Sodium, Potassium and Calcium in Mixture Components for Production of Carbon Electrodes	32	(1993)	1/2	51-54
561.	<i>I. Mamuzić</i>	Hrvatsko metalurško društvo – aktivnosti i zadaci / Croatian Metallurgical Society – activities and responsibilities	32	(1993)	1/2	55-57
562.	<i>T. Filetin</i>	Hrvatsko društvo za materijale i tribologiju / Croatian Society for Materials and Tribology	32	(1993)	1/2	58
563.	<i>L. Parilák J. Dojčak</i>	Translation Temperatures and the Process Zona / Prijelazne temperature i procesna zona	32	(1993)	3	59-64
564.	<i>J. Michel, M. Buršák, A. Šimon</i>	Contribution to Brittle Fracture Resistance Evaluation of Micro-Alloyed Strip Steels / Doprinos procjeni otpora na krti prijelom mikrolegiranih čelika za trake	32	(1993)	3	65-68
565.	<i>R. Križanić, A. Hensel, I. Mamuzić, Đ. Nikolić</i>	Umfomeigenschaften eines hochfesten Bainitbaustahls / Deformacijska svojstva visokočvrstog bainitnog čelika	32	(1993)	3	69-76
566.	<i>G. Shlomchak, I. Mamuzić</i>	Optičko modeliranje nesimetričnog procesa valjanja / Optical Modelling of Non-Symmetric Rolling Process	32	(1993)	3	77-80
567.	<i>A. Markotić, V. Slošić, M. Malina, A. Čurković, V. Živković, S. Županić</i>	Program obnove i razvoja crne metalurgije Hrvatske / Programme of Reconstruction and Developments of Steel Manufacturing Industry in Croatia	32	(1993)	3	81-86
568.	<i>J. Krajcar</i>	Uloga sekundarne rafinacije u suvremenoj proizvodnji sirovog čelika / The Role of Ladle Metallurgy in the Modern Steel Production	32	(1993)	3	87-92
569.	<i>M. Kundak</i>	Ekonomičnost proizvodnje čelika konvertorskim i elektro postupkom / The Steel Production Economy by the Converter- and Electric Arc Furnace Procedure	32	(1993)	3	93-96
570.	<i>J. Krajcar</i>	Staro željezo kao sirovina za proizvodnju čelika u elektrolučnim pećima / Steel Scrap as Raw Material for Steel Production in Electric Arc Furnaces	32	(1993)	3	97-100
571.	<i>V. Ivanušić</i>	Primjena Mossbauer-ove spektroskopije u metalurgiji / Application of Mossbauer's Spectroscopy to Metallurgy	32	(1993)	3	101-104
572.	<i>I. Šimunović</i>	Neki aspekti kvalitete gvožđa s različitim sadržajem mangana / Some Quality Aspects of the Pig Iron with Various Content of Manganese	32	(1993)	3	105-108
573.	<i>A. Grgurač, M. Šolić, L. Tadić, Z. Klasnić</i>	Priprema kovarine za upotrebu u aglomeraciji / The Preparation of Rolling Scale for the Use in the Sintering Plant	32	(1993)	3	109-116

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574.	<i>J. Črnko</i>	Kratak prikaz razvoja postupka proizvodnje željeza	32	(1993)	3	117-121
575.	<i>F. Kováč</i>	HSLA Steels Structure Modelling / Modeliranje strukture HSLA (visoko čvrstih nisko legiranih) čelika	32	(1993)	4	123-130
576.	<i>M. Repešova, A. Varga, Z. Zsigraiová</i>	Atmosphere Profile in Rotary Kiln for Fine Waste Dust Processing / Atmosferski profil u rotacijskoj peći za preradbu fine otpadne prašine	32	(1993)	4	131-134
577.	<i>M. Buršák, J. Michel, I. Mamuzić</i>	Properties Analysis of the St 52-3 Grade Steel after Thermo Mechanical Treatment / Analiza svojstava čelika St 52-3 nakon termo-mehaničke obradbe	32	(1993)	4	135-140
578.	<i>M. Legin – Kolar, A. Rađenović, G. Barač</i>	Utjecaj kemijskih i petrografskih karakteristika ugljena za koksiranje na kvalitet koks / Influence of Chemical and Petrographical Characteristics of Coking Coal on the Coke Quality	32	(1993)	4	141-144
579.	<i>Š. Nižnik</i>	Physical-Metallurgical Aspects of Plastic Properties Anisotropy in Seamless Tube / Fizikalno-metalurški aspekti anizotropije plastičnih svojstava u bešavnim cijevima	32	(1993)	4	145-150
580.	<i>J. Boroška, E. Stroffek</i>	Observation of Selected Properties and Parameters of Steel Wire Ropes / Praćenje odabranih svojstava i parametara užadi iz čelične žice	32	(1993)	4	151-156
581.	<i>I. Hrivnak, J. Zrník</i>	Recent Developments in Advanced and Novel Materials / Suvremeni razvoji unaprijeđenih i novih materijala	32	(1993)	4	157-166
582.	<i>I. Mamuzić, R. Turk</i>	Putokazi istraživanja i tehnologije plastične preradbe metala i slitina / Directions for Research and Technology of the Plastic Metal and Alloy Forming	32	(1993)	4	167-176
583.	<i>M. Gojić</i>	Metalna stakla / Metallic Glasses	32	(1993)	4	177-182
584.	<i>I. Lukač, R. Bureš, F. Michalansky, J. Ljubišak</i>	Effect of Mn on Machinability of Free-Cutting Brass / Utjecaj Mn na obradivost mjedi za automate	32	(1993)	4	183-184
584.	<i>I. Mamuzić</i>	Summaries of Lectures (1st International Symposium of Croatian Metallurgists) / Sažeci predavanja (1. Međunarodni simpozij Hrvatskih metalurga)	32	(1993)	4	185-199
586.	<i>F. Vodopivec</i>	Kinetics and Topology of Normal Grain Growth in a 0.02C; 1.8Si; 0.3Al Steel / Kinetika i topologija normalnog rasta zrna u čeliku s 0,02C; 1,8Si i 0,3Al	33	(1994)	1	3-10
587.	<i>J. Zrník, P. Makroczy, M. Zhitnansky, M. Hazlinger</i>	Microstructural Characteristics and Segregation in Single Crystal Ni Base Superalloy Zs 26 / Karakteristike mikrostrukture i segregacija u jedno-kristalnoj superleguri Zs 26 na bazi Ni	33	(1994)	1	11-18
588.	<i>M. Golja, I. Mamuzić, H. Fridrih</i>	Prilog istraživanju prostornog toka materijala i deformacije tijekom kosog valjanja cijevnice / Contribution to Investigation of Three-Dimensional Flow of Materials and Deformation in Hoolow Shell Crossrolling	33	(1994)	1	19-22
589.	<i>L. Mihok, M. Fröhlichová, M. Brilla, J. Kratochvilova, V. Adamus, P. Chmelar</i>	The Structure and Mechanical Properties of FeSi75 and FeSiMg Ferroalloys / Struktura i mehanička svojstva ferolegura FeSi75 i FeSiMg	33	(1994)	1	23-28
590.	<i>M. Malina V. Novosel – Radović, J. Malina</i>	Uloga mikrostrukture u sulfidnoj tenzokoroziji visokočvrstih niskolegiranih čelika / The Role of Microstructure in Sulphide Stress Corrosion of High Strength Low Alloyed Steels	33	(1994)	1	29-34
591.	<i>F. Unkić, F. Cajner, M. Krivohlavek</i>	Istraživanje svojstva konvencionalnog i izotermički poboljšanog žilavog lijeva / A Study of the Properties of Conventional Quenched and Tempered as well as Austempered Ductile Iron	33	(1994)	1	35-42

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592.	<i>J. Grum, D. Ferlan</i>	Research of Dimensional Inaccuracies and Residual Stresses in Manufacturing Rings from Rolled Thin Walled Tubes / Istraživanje dimenzionalnih netočnosti i preostalih naprezanja u proizvodnji prstena iz valjanih tanko-stijenih cijevi	33	(1994)	2	45-54
593.	<i>J. Kijac, J. Durišin, A. Pribulová, D. Pečovský</i>	Casting Powder Properties Control / Kontrola svojstava ljevačkog praha	33	(1994)	2	55-58
594.	<i>I. Boras, A. Markotić</i>	Utjecajni pokazatelji na vrijednost konstanti K_{Mn-Si} i K_{Si-S} u proizvodnji sivog gvožđa visokopečnim postupkom / The Parameters Influence on the Value K_{Mn-Si} and K_{Si-S} Constants in the Production of Foundry Pig Iron	33	(1994)	2	59-66
595.	<i>P. Fajfar</i>	Temperature Distribution in a Slab During Hot Rolling / Raspored temperatura u slabu za vrijeme toplog valjanja	33	(1994)	2	67-72
596.	<i>L. Lazić</i>	Matematički model segmentne peći / Mathematical Model of Sectional Furnace	33	(1994)	2	73-78
597.	<i>S. Rešković, A. Prelošćan, V. Novosel – Radović, Ž. Fried</i>	Primjena čelika mikrolegiranog niobijem u proizvodnji tankostijenih šavnih cijevi za skele / Application of Niobium Microalloyed Steel in Production of Thin Scaffold Tubes	33	(1994)	2	79-83
598.	<i>T. Kvačkaj</i>	Mathematical Description of the Influence of the Nature of Austenite before Recrystallization on Transformation Kinetics / Matematički prikaz utjecaja stanja austenita prije rekristalizacije na kinetiku transformacije	33	(1994)	3	87-92
599.	<i>A. Ševčik, F. Čupita, E. Rudnayova</i>	Austenite Grain Size, Inclusions and Their Influence on Properties of Medium Carbon Steels Used for Railway the Wheels / Veličina austenitnog zrna, uključci i njihov utjecaj na svojstva srednje ugljičnih čelika za željezničke kotače	33	(1994)	3	93-98
600.	<i>I. Fröhlich, M. Fröhlichová</i>	Analysis of Stress in Ca_2SiO_4 Crystal Grid Following the Crystal and Chemical Stabilization / Analiza naprezanja u Ca_2SiO_4 kristalnoj rešetci nakon kristalne i kemijske stabilizacije	33	(1994)	3	99-104
601.	<i>J. Klüber, I. Schindler</i>	Some Theoretical Aspect of Plastic Deformation in Semi-Solid State / Neki teoretski aspekti plastične deformacije u polu-krutom stanju	33	(1994)	3	105-108
602.	<i>Š. Cerjan – Štefanović, V. Novosel – Radović, A. Rastovčan – Mioč</i>	Novi pristup obradbi, kontroli i primjeni aktivirane visokopečne troske / The New Approach to Treatment, Control and Application of Activated Blast Furnace Slag	33	(1994)	3	109-112
603.	<i>T. Filetin, B. Liščić, J. Galinec</i>	Mogućnost izračunavanja Jominy krivulja prokaljivosti / The Possibilities of Calculation of Jominy Hardenability Curves	33	(1994)	3	113-118
604.	<i>J. Elfmark</i>	Use of Computers for Resolving Metallurgical problems in Reheating, Forming and Heat Treating Heavy Formings / Upotreba računala za rješavanje metalurških problema u dogrijavanju, oblikovanju i toplinskoj obradi teških otkivaka	33	(1994)	4	121-126
605.	<i>J. Grum, D. Ferlan</i>	Studies of Free Cutting Steels Related to Alloying Elements Content Affecting Machinability / Istraživanja čelika za automate glede sadržaja legirajućih elemenata i njihovog utjecaja na obradivost	33	(1994)	4	127-136
606.	<i>A. Šimon, I. Mamuzić</i>	Microstructure and Properties of Microalloyed Steel Sheet with Yield Strength Exceeding 620 MPa / Mikrostruktura i svojstva mikrolegiranog čeličnog lima s granicom razvlačenja iznad 620 MPa	33	(1994)	4	137-140
607.	<i>L. Mihok, M. Fröhlichová, M. Brilla, J. Briančin, V. Adamus, Š. Hubčík</i>	Structure and Properties of Intensively Cooled High Carbon Ferrochromium / Struktura i svojstva intenzivno hladenog visoko ugljičnog ferokroma	33	(1994)	4	141-146
608.	<i>B. Šuštaršič, A. Rodič, M. Torkar, F. Vodopivec</i>	Preparation of Cobalt-Based Powder by Water Atomization / Izradba metalnih prašaka na osnovi kobalta sa postupkom vodene atomizacije	33	(1994)	4	147-150
609.	<i>P. Horbaj, L. Lazić</i>	Nova konstrukcijska rješenja impulsnih gorionika / New Designs of Impulse Bourners	33	(1994)	4	151-154

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610.	<i>I. Šešerin, J. Krajcar, V. Ivanušić, D. Stojadinović</i>	Simulacija otpora u kokili pri kontinuiranom lijevanju čelika / Resistance Simulation in Modul by Continuous Casting of Steel	33	(1994)	4	155-160
611.	<i>P. Matković, T. Matković</i>	Utjecaj mikrostrukture na svojstva tvrdih metala / Influence of the Microstructure on the Behaviour of Hard Metals	33	(1994)	4	161-166
612.	<i>J. Črnko</i>	A Short Presentation of Investigations in Connection with Red Mud Processing in Croatia / Kratki prikaz istraživanja vezanih za preradu crvenog mulja u Hrvatskoj	33	(1994)	4	167-169
613.	<i>M. Kaštelan – Macan</i>	75. obljetnica tehničkih fakulteta Sveučilišta u Zagrebu /	33	(1994)	4	170-171
614.	<i>P. Ballok, A. Majerčakova, Š. Majerčak, A. Trišč, J. Legemza</i>	Element Distributions in the Sintering Process / Raspodjela elemenata u procesu sinteriranja	34	(1995)	1/2	3-6
615.	<i>J. Zrnik, M. Zhitnansky, I. Mamuzić</i>	On the Creep Deformation on Single Crystal Ni Base Superalloy CMSX-3 / Deformacija puzanja jednokristalne superlegure CMSX-3	34	(1995)	1/2	7-12
616.	<i>V. Novosel – Radović, T. Sofilić, Da. Maljković</i>	Influence of Heterogeneity of Limonite and Sinter Mixture Samples on Iron, Calcium and Silicon Determination by X-Ray Emission Spectrometry / Utjecaj heterogenosti uzoraka limonita i mješavina silicija za sintere na određivanje željeza, kalcija i spektrometrijom emisije X-zraka	34	(1995)	1/2	13-18
617.	<i>V. Novosel – Radović, N. Radović, M. Balen</i>	Mikrostrukturne promjene i zaostala naprezanja toplinski tretiranih uzoraka ugljičnog čelika / The Changes of Microstructures and Residual Stress in Heat Treated Samples of Carbon Steel	34	(1995)	1/2	19-24
618.	<i>M. Preloščan, V. Merle, A. Preloščan</i>	Frakcijsko određivanje dušika u čeliku vrućom ekstrakcijom s plinom nositeljem / Fractioting N-determination in the Steel by Means of a Carrier Gas Method	34	(1995)	1/2	25-30
619.	<i>V. Grozdanić</i>	Doprinos metodama napajanja čeličnih odljevaka i dimenzioniranje pojila / Contribution to the Steel Casting Risering and Dimensioning of Rises	34	(1995)	1/2	31-34
620.	<i>M. Miškovičova</i>	State-of-the-Art and Development Trends of Powder Metallurgy in the World / Stanje i trendovi razvoja metalurgije praha u svijetu	34	(1995)	1/2	35-42
621.	<i>D. Jakšić, I. Mamuzić, M. Golja, M. Curić</i>	Utjecaj hladne deformacije na mehanička svojstva aluminijske legure Al-Cu-Bi-Pb / Influence of Cold Deformation on Mechanical Characteristics of Aluminium Alloy Al-Cu-Bi-Pb	34	(1995)	1/2	43-46
622.	<i>M. Legin – Kolar</i>	Pogreške analize sastava ugljena i koksa kao rezultat nepravilnog uzimanja uzoraka / The Errors in Coal and Coke Composition Analysis as Result of Irregular Sampling	34	(1995)	1/2	47-52
623.	<i>A. Cvijetić</i>	Proizvodnja i primjena grafitnih elektroda kroz program razvoja crne metalurgije Hrvatske	34	(1995)	1/2	53-54
624.	<i>I. Mamuzić</i>	2. Međunarodni simpozij hrvatskih metalurga / 2nd International Symposium of Croatian Metallurgists	34	(1995)	3	57-60
625.	<i>J. Zrnik, M. Hazlinger, I. Mamuzić, M. Zhitnansky</i>	The Effect of Structural Characteristics of Strengthening Phase on Creep/Fatigue Behavior of Single Crystal Nickel Base Superalloys / Utjecaj strukturnih karakteristika faze očvršćivanja na ponašanje puzanja i zamora jednokristalnih superslitina na bazi nikla	34	(1995)	3	61-66
626.	<i>F. Kováč, I. Sováková, Š. Nižnik</i>	Formation of the Austenite in Fe-3%Si Steel / Oblikovanje austenita u Fe-3%Si čeliku	34	(1995)	3	67-72
627.	<i>J. Michel, I. Mamuzić, M. Buršák</i>	Resistance to Brittle Fracture by Micro-Alloyed Steels / Otpornost na krti lom kod mikrolegiranih čelika	34	(1995)	3	73-78
628.	<i>P. Horbaj, L. Lazić</i>	Mathematical Model of Pyrolysis of Biomass / Matematički model pirolize biomase	34	(1995)	3	79-84
629.	<i>L. Vehovar</i>	General Corrosion Resistance of Extra-Low Interstitial Ferritic Stainless Steel-Acrom 1 Super / Otpor na koroziju feritnog nerđajućeg čelika akrom 1 super sa vrlo visokom koncentracijom intersticija	34	(1995)	3	85-90

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630.	<i>B. Šuštaršič, M. Torkar, F. Vodopivec, L. Kosec</i>	Characteristics of Hot Extruded PM High-Speed Steels Manufactured from Water Atomized Powders / Svojstva vruće ekstrudiranih brzoreznih čelika izrađenih iz vodeno atomiziranih praškova	34	(1995)	3	91-100
631.	<i>A. Trišč, Š. Majerčak, P. Ballok, J. Legemza, J. Kendera, L. Radomski, I. Gajdoš</i>	Decreasing of the CO, CO ₂ , SO ₂ , NOx Emissions in Sintering Process / Smanjivanje CO, CO ₂ , SO ₂ , NOx emisija u procesu sinteriranja	34	(1995)	3	101-106
632.	<i>I. Boras, A. Markotić, I. Šimunović</i>	Utjecaj sirovinsko tehnoloških uvjeta na sadržaj ugljika u proizvodnji sivog željeza visokopećnim postupkom / The Influence of Raw Materials and Technological Conditions on the Carbon Content in Blast Foundry Pig Iron	34	(1995)	3	107-112
633.	<i>L. Mihok, M. Brilla, M. Frohlichova, J. Briančin, V. Adamus, M. Hubčik</i>	Structure and Properties of Manganese Ferroalloys / Struktura i svojstva manganskih ferolitina	34	(1995)	3	113-118
634.	<i>M. Kaštelan – Macan</i>	75. Obljetnica tehničkih fakulteta Sveučilišta u Zagrebu	34	(1995)	3	119-120
635.	<i>I. Imriš</i>	Zinc and Lead Extraction from Steelmaking Fluid Dust / Ekstrakcija cinka i olova iz dimne prašine u proizvodnji čelika	34	(1995)	4	123-128
636.	<i>Š. Nižnik, L. Furman</i>	Microstructure and Surface Defects of Enamel Products / Mikrostruktura i površinske greške emajliranih proizvoda	34	(1995)	4	129-134
637.	<i>K. Oravec, L. Pešek</i>	Assesment of Resistance of Microalloyed Steel with High Yield Stress Against the Stable Crack Growth by the R-Curve Method / Ispitivanje otpornosti mikrolegiranog čelika s visokom granicom razvlačenja na stabilan rast pukotina metodom R-krivulje	34	(1995)	4	135-138
638.	<i>T. Kvačkaj, I. Mamuzić</i>	Mathematical Description of Austenite Dynamic Recrystallization in C-Mn Base Low Carbon Steel / Matematički opis dinamičke rekristalizacije austenita u C-Mn niskolegiranom čeliku	34	(1995)	4	139-144
639.	<i>T. Kvačkaj, I. Pokorny</i>	Mathematical Model of Stress-Strain Curves / Matematički model krivulja naprežanja-istezanja	34	(1995)	4	145-150
640.	<i>I. Mamuzić, I. Binkevich</i>	Application of Finite Element Method to the Analysis of Coils of Thin Cold-Rolled Strip / Primjena metode konačnih elemenata pri analizi kolutova hladnovaljane tanke trake	34	(1995)	4	151-154
641.	<i>L. Vehovar</i>	The Influence of α/γ Phase Ratios on the Corrosion Resistance of Highly-Alloyed, Si-Bearing Cast Steels in Strongly Oxidizing Media Utjecaj α/γ faznog omjera na korozivnu otpornost visoko legiranih Si-čeličnih lijevova u jakim oksidacijskim sredstvima	34	(1995)	4	155-160
642.	<i>P. Horňak, J. Zrník, F. Kováč</i>	The Microstructure and Texture Development of the Hot Rolled Transformer Strip Steel / Razvitak mikrostrukture i teksture toplovaljane čelične trake za transformatorske limove	34	(1995)	4	161-164
643.	<i>P. Cengel, J. Mihalus</i>	Microporosity of Ferrosilicon and its Influence on Alloying of Steel / Mikropukotine ferossilicija i njihov utjecaj na slitini željeza	34	(1995)	4	165-168
644.	<i>T. Matković, P. Matković</i>	Metalna vlakna / Metal Fibres	34	(1995)	4	169-174
645.	<i>I. Mamuzić</i>	35 godina visokoškolske nastave i organizirane znanstvenoistraživačke djelatnosti na Metalurškom fakultetu u Sisku, Sveučilišta u Zagrebu / 35. Years of University-Level Teaching and Organized Scientific Research at the Faculty of Metallurgy in Sisak, University of Zagreb	34	(1995)	4	175-176
646.	<i>A. Šimon, I. Mamuzić</i>	High Strength Steel for Wide Range Use / Čelik visoke čvrstoće za široku primjenu	35	(1996)	1	3-6
647.	<i>K. Oravec, V. Sinka, L. Pešek</i>	Creep Deformation in a Two-Phase $\alpha+\beta$ Ti Alloy / Trajna statistička deformacija (puzanje) u dvofaznoj $\alpha+\beta$ Ti slitini	35	(1996)	1	7-10
648.	<i>J. Zrník, Y. Yu, J. A. Wang, M. Zhitnansky, I. Mamuzić, P. Hornak</i>	Creep Fatigue Behavior of Directionally Solidified Nickel Base Super Alloy / Zamor pri trajnoj statističkoj deformaciji usmjereno očvršćavanih superslitina na bazi nikla	35	(1996)	1	11-16

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649.	<i>V. Prochorenko, S. Mudry, S. Prochorenko</i>	The Structure in Liquid State and Forming of Practical Properties of Alloys / Struktura u tekućem stanju i oblikovanje praktičnih svojstava slitina	35	(1996)	1	17-20
650.	<i>I. Boras, A. Markotić, I. Šimunović</i>	Sadržaj i raspodjela silicija u proizvodnji sivog željeza u zavisnosti od specifičnih karakteristika zasipa visoke peći / Content and Distribution of Silicium in the Foundry Pig Iron Production on the Dependence of Specific Blast Furnace Charge Characteristics	35	(1996)	1	21-26
651.	<i>I. Mamuzić, L. Medvedeva, A. Skorobogatko</i>	FEM Investigation of the Parameters of the Local Plastic Deformations of the Inhomogeneous Bar / Ispitivanje parametara lokalne plastične deformacije nehomogene šipke metodom konačnog elementa	35	(1996)	1	27-30
652.	<i>V. Grozdanić</i>	Matematički model skrućivanja ingota u kokili / Mathematical Model of Ingot Solidification in a Chill Mould	35	(1996)	1	31-34
653.	<i>V. Ferketić, A. Ivančan, N. Devčić, J. Krajcar, D. Vuković, K. Terzić</i>	Poboljšanje kontinuirano lijevanih blumova promjenom parametara oscilacije kokile / Improvement of the Continuously Casted Bloom Surface by Changing Oscillation Parameters of the Mould	35	(1996)	1	35-38
654.	<i>D. Krumes, I. Vitez, I. Kladarić</i>	Prilog istraživanju utjecaja izotermičkog poboljšanja na svojstva nodularnog lijeva / The Contribution Research into the Influence of Isothermal Tempering on Properties of Ductile Iron	35	(1996)	1	39-42
655.	<i>V. Ferketić, J. Krajcar, A. Ivančan</i>	Iskustva s postupcima sekundarne rafinacije / Experience with Secondary Metallurgy Processes	35	(1996)	1	43-48
656.	<i>I. Vitez</i>	The Fracture Toughness and the Fatigue Strength of Railway Rails / Žilavost loma i dinamička čvrstoća željezničkih tračnica	35	(1996)	1	49-52
657.	<i>P. Cengel, A. Pribulová</i>	Beitrag zur Selbstregulation von Sinteringsbander / Samopodešavanje sinter-trake	35	(1996)	1	53-55
658.	<i>P. Sikavica</i>	The Most Recent Trends in Organisation and Management / Najnoviji trendovi u organizaciji i managementu	35	(1996)	2	59-64
659.	<i>I. M. Spiridonova, E. V. Skhovaya, V. F. Balakin</i>	Structure and Deformation Peculiarities of the Fe (B, C) Crystals / Strukturne i deformacijske osobitosti kristala Fe (B, C)	35	(1996)	2	65-68
660.	<i>J. Michel, M. Buršák, I. Mamuzić</i>	Influence of Strain Rate on Mechanical Properties of Microalloyed Steel / Utjecaj brzine naprežanja na mehanička svojstva mikrolegiranih čelika	35	(1996)	2	69-72
661.	<i>F. Unkić, F. Cajner, V. Novosel – Radović</i>	A Study of the Relationship Between Microstructure and Impact Toughness of Low Alloyed Austempered Ductile Cast Iron / Proučavanje povezanosti mikrostrukture i udarne žilavosti niskolegiranog izotermički poboljšanog žilavog lijeva	35	(1996)	2	73-78
662.	<i>I. Mamuzić, V. Shynkarenko, I. Binkevich</i>	Finite Elements Stiffness Matrix Conditionality Improvement in the Analysis of Metal Forming Processes via the Orthogonalizing of the Shape Functions / Poboljšanje uvjetovanosti matrice krutosti metodom konačnih elemenata u analizi procesa oblikovanja metala ortogonaliziranjem funkcije oblika	35	(1996)	2	79-82
663.	<i>G. G. Shlomchak, A. M. Melnik, I. Mamuzić</i>	Rheological Complexity of Metals and Anomalies of their Deformation / Reološka složenost kovina i anomalije njihove deformacije	35	(1996)	2	83-86
664.	<i>F. Vodopivec</i>	Steel, a Material for the 21th Century / Čelik, materijal 21. stoljeća	35	(1996)	2	87-92
665.	<i>V. M. Druyan</i>	Main Direction of Development of the Theory and “Know-How” of Seamless Pipes / Glavni pravci razvitka teorije i tehnologije proizvodnje bešavnih cijevi	35	(1996)	2	93-98
666.	<i>J. Krajcar</i>	Proizvodnja čelika u elektrolučnoj peći – stanje i perspektive / Steel Production in Electrical Arc Furnace – Status and Perspectives	35	(1996)	2	99-102
667.	<i>D. Trkalova, M. Fiala</i>	UNIDO-CZECH Republic Joint Programme, Metallic / Industries and its Activities in the Area of Metallurgy	35	(1996)	2	103-104

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668.	<i>I. Mamuzić</i>	Summaries of Lectures (2nd International Symposium of Croatian Metallurgists) / Sažeci predavanja (2. Međunarodni simpozij Hrvatskih metalurga)	35	(1996)	2	105-126
669.	<i>Z. Gedeonova, P. Babiak</i>	Untersuchung und Vorhersagen des Speisungsbedarfes für Gusseisen mit Kugelgraphit / Ispitivanje i predviđanje potrebe za napajanjem žilavog lijeva	35	(1996)	3	131-138
670.	<i>I. Mamuzić, A. Komarov, V. Shynkarenko</i>	Finite Elements for Analysis of Sheet Forming Processes / Metoda konačnih elemenata pri analizi procesa oblikovanja lima	35	(1996)	3	139-144
671.	<i>L. Fröhlich, M. Fröhlichová, I. Olejar, J. Hric</i>	Structural Changes of Low Cement Castables on a Steel Boundary / Strukturne promjene materijala s niskim sadržajem cementa na granici čelika	35	(1996)	3	145-150
672.	<i>V. Novosel -Radović, Ma. Kostelac, N. Radović, N. Hrvatov – Crljenica</i>	The Links for Ball Bearings and Residual Stress / Prstenovi za kotrljajuće ležajeve i zaostala naprezanja	35	(1996)	3	151-156
673.	<i>J. Prgin, I. Duplančić</i>	Ovisnost kvalitete aluminijskih šupljih profila o karakteristikama kombiniranih alata / Dependence of Aluminum Hollow Section's Quality on Characteristics of Hollow Dies	35	(1996)	3	157-160
674.	<i>M. Malina, V. Novosel – Radović, J. Malina</i>	Fazne transformacije pri toplinskoj obradi Mn-Mo tubinga / Phase Transformations in Heat Treated Mn-Mo Tubing	35	(1996)	3	161-166
675.	<i>I. Budić</i>	Matematički model pojave kalupne mjehuravosti u odljevcima / Mathematical Model of Model gas Porosity in Castings	35	(1996)	3	167-172
676.	<i>I. Sokolova, F. Kováč, J. Boruta</i>	Deep Drawing Steel Rolling in Two Temperature Regions / Valjanje čelika za duboko vučenje u dva temperaturna područja	35	(1996)	3	173-178
677.	<i>D. Krumes, I. Vitez, I. Kladarić</i>	Influence of Isothermal Improvement on Tribological Properties of the Ductile/Nodular Cast Iron / Odras izotermičkog poboljšanja na tribološka svojstva nodularnog lijeva	35	(1996)	3	179-182
678.	<i>M. Math</i>	On the Application of Two Incremental Techniques in Closed Cold Die Forging of Bevel Gear / O primjeni dviju inkrementalnih tehnika u kovanju zupčanika sa unutrašnjim ozubljenjem	35	(1996)	3	183-186
679.	<i>J. Grum, R. Šturm</i>	Study of Laser Surface Melt-Hardening on Gray and Nodular Irons of Different Qualities / Topljenje i otvrđivanje površine laserom sivog i žilavog lijeva različite kakvoće	35	(1996)	3	187-193
680.	<i>F. Vodopivec, B. Breskvar</i>	Microstructure, Ductility and Magnetic Properties of Hot Rolled Fe 28Cr 10-23Co Alloys / Mikrostruktura, duktilnost i magnetska svojstva toplo valjanih slitina Fe 28Cr10-23Co	35	(1996)	4	199-206
681.	<i>M. Mazankova, J. Hloušek</i>	Thermomechanic Problems of the Apparatus for Continuous Casting of Steel / Termomehanički problemi opreme za kontinuirano lijevanje čelika	35	(1996)	4	207-210
682.	<i>I. Schindler, J. Kliber, J. Boruta</i>	Plastometric and Computer Modeling of Deformation Behavior of Nb-Beating HSLA-Steel / Plastometrijsko i kompjutersko modeliranje deformacijskog ponašanja visoko čvrstog, nisko legiranog čelika s niobijem	35	(1996)	4	211-214
683.	<i>J. Grum, P. Žerovnik</i>	Assessing Product Quality by Surface Integrity After Heat Treatment and Subsequent Grinding / Procjena kakvoće proizvoda po cjelovitosti površine nakon toplinske obrade i naknadnog brušenja	35	(1996)	4	215-220
684.	<i>V. Vitek, A. Varga, M. Repešova, Z. Zsigraiová, L. Lukáč</i>	Optimisation of the Magnesite Clinker Sintering in Shaft Furnace / Optimizacija sinteriranja magnezitnog klinkera u rotacionoj peći	35	(1996)	4	221-224
685.	<i>B. Šuštaršič, V. Kevorkijan, L. Kosec</i>	Manufacturing of Al/SiC Metal Matrix Componentes / Izrada Al/SiC kompozita sa metalnom osnovom	35	(1996)	4	225-232

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686.	<i>M. Adamčak, L. Mihok, M. Pivovarči</i>	Cleanness of Con – Cast Steel Blooms Produced by EAF-LF Technology / Čistoća kontinuirano lijevanih blumova od čelika dobivenog u elektrolučnoj peći – metalurgija lonca	35	(1996)	4	233-240
687.	<i>Š. Cerjan – Stefanović, A. Rastovčan – Mioč, J. Kovač</i>	The Content of Radionuclides and Metals in Electric Furnace Slag / Sadržaj radionuklida i metala u elektropečnoj trosici	35	(1996)	4	241-246
688.	<i>M. Stubičar, D. Dužević, D. Krumes, N. Stubičar, A. Sekulić, K. Furić, I. Sondi, Đ. Ban Švastović, O. Milat, W. A. Kaysser</i>	X-Ray Diffraction Study of Structural Changes in ZrO-Y ₂ O ₃ -MgO Powder Mixtures Induced by High Energy Ball Milling / Rendgensko difrakcijska studija strukturnih promjena u ZrO-Y ₂ O ₃ -MgO mješavinama praha izazvanih visokoenergetskim kugličnim mljevenjem	35	(1996)	4	247-254
689.	<i>B. Grizelj</i>	Utjecaj lokalnog stupnja deformacije pri savijanju lima na hladno na svojstva segmenata za kuglaste spremnike / Influence of Local Rate of Deformation During Cold Plate Bending on Properties of Spherical Tank	35	(1996)	4	255-260
690.	<i>J. Boroška, E. Stroffek, D. Marasova</i>	Mechanical Properties of Wires for Steel Ropes from Various Producers / Mehanička svojstva žice za čeličnu užad različitih proizvođača	35	(1996)	4	261-266
691.	<i>J. Elfmark</i>	Modelling and On Line Control of Thermomechanical Rolling and Cooling of Micro-Alloyed Steel / Modeliranje i on line kontrola termomehaničkog valjanja i hlađenja mikrolegiranog čelika	36	(1997)	1	3-7
692.	<i>J. Kliber, I. Schindler</i>	Mathematical Description of Stress-Strain Curve in Metal Forming Processes / Matematički opis krivulje naprezanja u procesu oblikovanja metala	36	(1997)	1	9-13
693.	<i>J. Grum, D. Zuljan</i>	Optimization of the Process of Laser Cutting Austenitic Stainless Steel / Optimizacija laserskog rezanja austenitnih nerđajućih čelika	36	(1997)	1	15-19
694.	<i>A. Berović, D. Bralić, M. Golja, D. Jakšić</i>	Cold Worked Al Thin Strips and Change of Mechanical Properties Depending of Annealing / Hladno valjane tanke aluminijske trake i promjene mehaničkih svojstava od uvjeta žarenja	36	(1997)	1	21-24
695.	<i>S. Longauer, M. Predmersky</i>	On the Origin of Grain Boundary Embrittlement of Nonoriented Electrical Steel Sheet / O porijeklu krstosti na granicama zrna kod limova od neorijentiranog elektro-čelika	36	(1997)	1	25-28
696.	<i>V. Prochorenko, A. Bylica, V. Roszczupkin, H. Tietz, S. Prochorenko</i>	Influence of Plastic Deformation on the Mechanism of Laser Melting of Metals / Utjecaj plastične deformacije na mehanizam laserskog topljenja metala	36	(1997)	1	29-32
697.	<i>K. Kostur</i>	The Analisis of Optimal Productios Conditions in the Pushing Furnace / Analiza optimalnih uvjeta proizvodnje u potisnoj peći	36	(1997)	1	33-36
698.	<i>F. Cajner, D. Čujko</i>	Utjecaj stupnja hladne deformacije i parametara rekristalizacijskog žarenja na svojstva čelika / Influence of the Cold Deformation Degree and Parameters of Recrystallization Annealing Upon the Properties of Steel	36	(1997)	1	37-41
699.	<i>W. Lehnert, A. Hensel</i>	Stand und Entwicklungen auf dem Gebiet des Warmwalzens von Flach – und Langprodukten zur Gewährleistung hoher Oualitätsparameter / Situacija i razvoj toplog valjanja plosnatih i dugih proizvoda u cilju osiguranja visokih parametara kakvoće	36	(1997)	1	43-52
700.	<i>T. Kvačkaj, J. Zrnik, I. Mamuzić</i>	Current Manufacturing Trends and Energy Evaluation for Flat Rolled Steel Semiproducts / Aktualni trendovi u proizvodnji plosnatih valjanih poluproizvoda i procjena potrošnje energije	36	(1997)	1	53-57
701.	<i>M. Kundak, J. Črnko</i>	Influence of Dominating Rolling Technology on Heating of Steel Slabs / Utjecaj dominirajuće tehnologije valjanja na zagrijavanje čeličnih slabova	36	(1997)	1	59-64

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702.	<i>D. Pečovsky, J. Kijac, V. Ferketić</i>	Elimination of Nitrogen from Steel by Syntetic Slag / Odstranjivanje dušika iz čelika sintetskim troskama	36	(1997)	1	65-68
703.	<i>I. Mamuzić</i>	Trideset pet godina časopisa "Metalurgija" / The Thirty-Fifth Anniversary of the Publishing of the "Metalurgija" Journal	36	(1997)	2	71-76
704.	<i>A. G. Velichko, V. I. Baptizmanskii, V. D. Antonets, A. Markotić</i>	Oscillatory Nature of Decarburization in Oxygen Blowing and its Evaluation Using Vibratory Characteristics of Steelmaking Processes / Oscilatornost dekarburizacije kod upuhivanja kisika i njena procjena uz pomoć vibracijskih karakteristika proizvodnje čelika	36	(1997)	2	77-82
705.	<i>V. M. Fedirko, I. M. Pohreliuk, O. I. Yaskiv</i>	Titan's Deformation Properties after Nitriding by Thermal Cycling / Deformacijska svojstva titana nakon nitriranja toplinskim cikliranjem	36	(1997)	2	83-85
706.	<i>V. Grozdanić</i>	Numerical Methods at Solidification Simulation of Castings / Numeričke metode pri simulaciji skrućivanja odljevaka	36	(1997)	2	87-92
707.	<i>Š. Cerjan – Stefanović, A. Rastovčan – Mioč, V. Novosel – Radović</i>	Mechanical Properties of Cement with Addition of Electric Furnace Slag / Mehanička svojstva cementa sa dodatkom elektropečne troske	36	(1997)	2	93-98
708.	<i>P. Matković, T. Matković</i>	Istraživanje aluminida nikla, paladija i platine / Investigation of Nickel, Palladium and Platinum Aluminides	36	(1997)	2	99-103
709.	<i>I. Mamuzić, E. V. Binkevich, I. V. Binkevich, L. V. Medvedeva</i>	Nonstationary Plastic Flow of a Bar with Symmetrical Cuts of Arbitrary Form / Nestacionarni plastični tijek šipke sa simetričnim rezom proizvoljnog oblika	36	(1997)	2	105-107
710.	<i>V. Jurko, A. Šimon</i>	Effect of New Progressive Production Technologies in VSŽ Košice on Ouality of Cold Forming HSLA Steel Sheets / Efekt novih progresivnih tehnologija proizvodnje u VSŽ Košice na kakvoću HSLA čeličnih limova za hladnu obradu	36	(1997)	2	109-113
711.	<i>D. Pečovsky, J. Kijac, M. Kijac, V. Ferketić</i>	Aglomeration of Fine Flue Dust from the Oxygen Convertor / Aglomeracija fine prašine iz oksigenskog konvertora	36	(1997)	2	115-118
712.	<i>I. Mamuzić</i>	Popis radova objavljenih u časopisu "Metalurgija" do 1979. / List of Papers Published in Journal "Metalurgija" until 1979.	36	(1997)	2	119-132
713.	<i>I. Mamuzić</i>	3. Međunarodni simpozij hrvatskih metalurga "Stanje i razvitak plastične obrade kovina i slitina" / 3rd International Symposium of Croatian Metallurgists "State and Development of Plastic Metal Processing"	36	(1997)	3	135-140
714.	<i>I. Vojvodić – Gavardjančić, F. Vodopivec</i>	Low Temperature Mechanical Properties of Some Structural Steels / Mehanička svojstva nekih konstrukcijskih čelika na niskim temperaturama	36	(1997)	3	141-148
715.	<i>L. Vehovar, A. Smolej</i>	The Influence of Processing Technology on Corrosion of High-Strength All-Alloys / Utjecaj tehnologije prerade na koroziju legura aluminija visoke čvrstoće	36	(1997)	3	149-154
716.	<i>I. Mamuzić, E. V. Binkevich, A. N. Skorobogatko, V. B. Shynkarenko</i>	Analysis of Plastic Flow of Hot Metal by Rolling with Figured Pasess / Analiza plastičnog tijeka vrućeg valjanja kovina u kalibrima	36	(1997)	3	155-158
717.	<i>D. Malindžak</i>	Use of Criteria Method in Scheduling of Metallurgical Production Processes / Primjena metode kriterija u planiranju metalurških proizvodnih procesa	36	(1997)	3	161-166
718.	<i>F. Fink</i>	Zwerg-Hütte 2000 / Mini-željezara 2000	36	(1997)	3	167-172

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719.	<i>O. Marcel, J. Kijac, J. Hric, I. Šimunović</i>	Out Furnace Desulphurisation of Fe-melt Under Conditions of Easten Slovakia Steel Works-VSŽ a. s. / Izvanpećno odsumporavanje otopljenog željeza u radnim uvjetima u jednoj željezari u istočnoj Slovačkoj	36	(1997)	3	173-175
720.	<i>B. Štefan, J. Zaboj</i>	Technology and Properties of New Hot Rolled Products of VSŽ Ocel / Tehnologija i svojstva novih toplo valjanih proizvoda VSŽ Ocel-a	36	(1997)	3	177-184
721.	<i>I. Mamuzić</i>	Popis radova objavljenih u časopisu "Metalurgija" 1980-1989 god. / List of Papers Published in Journal "Metalurgija" 1980-1989.	36	(1997)	3	187-196
722.	<i>I. Alfirević</i>	Torsion of Nonlinear Elastic Circular Shafts / Torzija nelinearnih elastičnih okruglih vratila	36	(1997)	4	199-204
723.	<i>J. Michel, M. Buršák, I. Mamuzić</i>	The Microstructure Notch Toughness Relationship of Microalloyed Steels / Odnos mikrostrukture i udarne žilavosti mikrolegiranih čelika	36	(1997)	4	205-209
724.	<i>J. Črnko, M. Kundak</i>	Empiric Determination of the Connection Between Heat Power and Productivity of a Pusher-Type Furnace / Empirijsko određivanje veze između toplinske snage i proizvodnosti potisne peći	36	(1997)	4	211-214
725.	<i>B. Kosec, T. Kolenko</i>	Temperature Field in the Working Rolls at Continuous Roll Casting of Aluminium Strips / Temperaturno polje u valjcima pri kontinuiranom lijevanju aluminijskih traka	36	(1997)	4	215-218
726.	<i>R. Križanić, I. Mamuzić, Đ. Nikolić, T. Kvačkaj</i>	Deformation Properties of High-Strength Structural Bainite H-75 Steel / Deformacijska svojstva visokočvrstog konstrukcijskog bainitnog čelika H-75	36	(1997)	4	219-224
727.	<i>J. Zrník, P. Wangyao, V. Vrchovinský, P. Horňák, I. Mamuzić</i>	Deformation Behaviour of Wrought Nickel Base Superalloy in Conditions of Thermomechanical Fatigue / Ponašanje pri deformaciji kovane superlegure na bazi nikla u uvjetima termomehaničkog zamora	36	(1997)	4	225-228
728.	<i>M. Golja</i>	Mathematical Model of Steel Hollow Shell Cooling After Rolling / Matematički model hlađenja cijevnice nakon valjanja	36	(1997)	4	229-234
729.	<i>E. V. Binkevich, A. A. Gorbaney, I. Mamuzić, L. V. Medvedeva, V. B. Shynkarenko</i>	Inertial Forces at Deformation Site by Rolling in Modern High-Speed Finishing Mill Stands / Inercijske sile na mjestu deformacije pri valjanju na modernim brzim završnim valjačkim stanovima	36	(1997)	4	235-238
730.	<i>L. Mihok, A. Pribulová, B. Behán, J. Žofčák</i>	Influence of Combined Blowing Process in Oxygen Converter on Steel Cleanness and Slag Structure / Utjecaj kombiniranog upuhivanja u konverter na čistoću i strukturu troske	36	(1997)	4	239-243
731.	<i>I. Mamuzić</i>	Popis radova objavljenih u časopisu "Metalurgija" 1990-1996 god. / List of Papers Published in Journal "Metalurgija" 1990-1996.	36	(1997)	4	247-258
732.	<i>I. Mamuzić</i>	Trideset pet godina časopisa "Metalurgija" / The Thirty-fifth Anniversary of the Publishing of the "Metalurgija" Journal	36	(1997)	izv.br./ spec.issue	265-270
733.	<i>I. Mamuzić</i>	Popis tijela i suradnika / List of Boards and co-workers	36	(1997)	izv.br./ spec.issue	271-273
734.	<i>I. Mamuzić</i>	Popis radova objavljenih u časopisu "Metalurgija" 1962. do 1996. godine / List of Papers published in Journal "Metalurgija" from 1962 until 1996	36	(1997)	izv.br./ spec.issue	275-310
735.	<i>I. Mamuzić</i>	Popis autora / List of Authors	36	(1997)	izv.br./ spec.issue	311-315
736.	<i>P. Fajfar, R. Turk</i>	Mathematical Modelling of Strip Rolling / Matematičko modeliranje valjanja trake	37	(1998)	1	3-7
737.	<i>T. Kvačkaj, M. Hajduk, J. Konvicny, I. Mamuzić</i>	Evaluation of Metallurgical Characteristics of Hot Rolled Steel Strips in the Finishing Train / Procjena metalurških svojstava toplovaljane čelične trake u završnoj pruzi	37	(1998)	1	9-13

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738.	<i>P. Matković, T. Matković, J. Malina</i>	Svojstva biomedicinskih Co-Cr-Mo slitina / The Properties of a Biomedical Co-Cr-Mo Alloys	37	(1998)	1	15-19
739.	<i>A. Rastovčan – Mioč, Š. Cerjan – Stefanović, V. Novosel – Radović</i>	Mechanical Properties of Cement with Addition of Blast Furnace Slag / Mehanička svojstva cementa sa dodatkom visokopećne troske	37	(1998)	1	21-26
740.	<i>H. Bruncková, F. Kováč</i>	Separation and Quantification of AlN, Al ₂ O ₃ and MnS Precipitates in Fe – 3 % Si Steels / Separacija i kvantifikacija izlučevina AlN, Al ₂ O ₃ i MnS u čelicima tipa Fe – 3 % Si	37	(1998)	1	27-30
741.	<i>R. Križanić, I. Mamuzić, Đ. Nikolić</i>	Očvršćivanje visokočvrstog konstrukcijskog zavarljivog čelika bainitnog tipa H-75 / Strengthening Process of High-Strength Weldable Structural Bainitic Steel H-75	37	(1998)	1	31-37
742.	<i>D. Hršak, J. Šipalo – Žuljević, M. Čosić</i>	Struktura, svojstva i primjena silicij – nitrida / Structure, Properties and Application of Silicon Nitride	37	(1998)	1	39-43
743.	<i>I. Vitez, D. Krumes, F. Begovac, K. Šimunović</i>	The Properties of Wagon Axles Forged on a Horizontal Forging Machine and on Hammer / Svojstva vagonskih osovina kovanih na kovačkom vodoravnom stroju i čekiću	37	(1998)	1	45-50
744.	<i>D. Hršak, I. Ljubić J. Ladić</i>	Postoji li općeprihvaćena znanstvena metoda / Did Uniquely Accepted Scientific Method Exist	37	(1998)	1	51-53
745.	<i>W. Lehnert, N. D. Coung, M. Spittel</i>	Umformverhalten und Eigenschaften von Aluminium und Aluminiumlegierungen für Bänder / Postupak oblikovanja i svojstva aluminija i aluminijskih slitina za izradu traka	37	(1998)	2	57-66
746.	<i>M. Kevorkijan</i>	Development of Aluminium based Composites for Automotive Applications / Razvoj kompozita na osnovi aluminija za automobilsku industriju	37	(1998)	2	67-74
747.	<i>F. Vodopivec, B. Breskvar, B. Koroušić, I. Banić – Kranjčević</i>	Steels and Aluminium Alloys-Engineering and Ecological Evaluation / Čelici i legure aluminija – preradbeni i ekološka procjena	37	(1998)	2	75-80
748.	<i>I. Čatić</i>	Material Technics Between Design and Production / Materijalika između konstrukcije i proizvodnje	37	(1998)	2	81-86
749.	<i>F. Fink</i>	Bandgiessen / Lijevanje trake	37	(1998)	2	87-91
750.	<i>T. Kvačkaj</i>	Energy Consumption Analysis in Flat Rolling processes / Analiza potrošnje energije pri valjanju plosnatih proizvoda	37	(1998)	2	93-99
751.	<i>I. Mamuzić</i>	Summaries of Lectures (3rd International Symposium of Croatian Metallurgists) / Sažeci predavanja (3. Međunarodni simpozij Hrvatskih metalurga)	37	(1998)	2	103-132
752.	<i>R. I. Barbash, I. O. Nikitina, S. I. Sidorenko</i>	X-ray Analysis of Distortions in Ni-based Single Crystal Superalloys / Rentgenska analiza distortija kod superlegura s jednim kristalom na bazi nikla	37	(1998)	3	137-140
753.	<i>P. Ševc, A. Džiaková, J. Janovec</i>	Phosphorus Induced Intergranular Embrittlement of Low Alloy Steel and Methods of its Investigation / Intergranularna krutost inducirana fosforom kod nisko legiranih čelika i metode njenog ispitivanja	37	(1998)	3	141-146
754.	<i>I. Sováková, F. Kováč</i>	Pinning of Austenite Grain Boundaries by TiN Particles in Microalloyed HSLA Steels / Učvršćivanje granice anstenitnog zrna pomoću čestica TiN u mikrolegiranim čelicimavisoke čvrstoće	37	(1998)	3	147-152
755.	<i>A. A. Gorbanev, E. V. Binkevich, I. Mamuzić</i>	Regulation of Forces in Inter-stand Spacings by Rolling in Finishing Blocks of Wire Roll Strands Reguliranje sila u razmacima između valjačkih stanova u završnim blokovima stanova za valjanje žice	37	(1998)	3	153-157
756.	<i>M. Jurković, A. Hriššik, Z. Jurković, I. Vitez</i>	Modelling of Tribologicac Parameters in Process of Cold Drawing and Selection of Optimal Lubricators / Modeliranje troboških parametara u procesu hladnog izvlačenja i izbor optimalnog sredstva za podmazivanje	37	(1998)	3	159-163
757.	<i>P. Vadász, M. Havlík</i>	Affects of Copper Oxides on Density and Surface Tension of Slag Systems Fe ₂ O ₃ CaO-Cu ₂ O / Utjecaj bakrenih oksida na gustoću i površinsku napetost sustava troske Fe ₂ O ₃ CaO-Cu ₂ O	37	(1998)	3	165-173

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758.	<i>J. Hidvéghy</i>	Influence of Rolling Reduction on Properties of Rephosphorized Steel / Utjecaj redukcije valjanjem na svojstva refosforiziranog čelika	37	(1998)	3	175-177
759.	<i>F. Stachowicz</i>	Effect of Grain Size, Thickness and Prestrain on the Forming Limits of 63-37 Brass Sheets / Utjecaj veličine zrna, debljine i prednapregnutosti na ograničenost oblikovanja brončanih limova 63-37	37	(1998)	3	179-182
760.	<i>M. Kundak, J. Črnko</i>	Lime Production Process Control by Analysis of CO ₂ in Output Gases / Vodnje procesa proizvodnje vapna analizom CO ₂ u izlaznim plinovima	37	(1998)	3	183-187
761.	<i>F. Fink</i>	Rinnenstahl / Žlijebasti čelik	37	(1998)	3	189-191
762.	<i>I. Mamuzić</i>	3. međunarodni simpozij hrvatskih metalurga, "Stanje i razvitak plastične obrade kovina i slitina" / 3rd International Symposium of Croatian Metallurgists, "State and Development of Plastic Metal Processing"	37	(1998)	4	195-198
763.	<i>T. Lazár, F. Sekula, P. Rybár</i>	A new technology of sinking vertical openings into rock masses / Nova tehnologija bušenja otvora u masivnim stijinama	37	(1998)	4	199-202
764.	<i>D. Hršak, J. Šipalo – Žuljević J. Lopatič</i>	The influence of temperature and C/SiO ₂ molar ratio on the conversion extent of SiO ₂ to α -Si ₃ N ₄ using carbothermal preparation / Utjecaj temperature i molnog omjera C/SiO ₂ na stupanj pretvorbe SiO ₂ u α -Si ₃ N ₄ primjenom karbotermijske pripreve	37	(1998)	4	203-207
765.	<i>K. Kostur</i>	The optimisation of burners on tunnel furnace by simulation / Optimizacija rada gorionika u tunelskoj peći metodom simulacije	37	(1998)	4	209-213
766.	<i>E. V. Binkevich, I. Mamuzić, A. N. Skorobogatko</i>	Non – stationary viscoplastic flow of material by metal forming / Nestacionarni viskoplastični protok materijala pri oblikovanju metala	37	(1998)	4	215-216
767.	<i>V. Grozdanić</i>	One – dimensional mathematical model of slab heating / Jednodimenzijjski matematički model zagrijavanja slaba	37	(1998)	4	217-221
768.	<i>V. Jurko, A. Šimon, B. Štefan</i>	New hot rolled formable HSLA steels with low silicon content / Novi toplo valjani nisko legirani čelici visoke čvrstoće s malim sadržajem silicija	37	(1998)	4	223-227
769.	<i>A. Čurpeková, L. Floreková</i>	Information support for complex utilization of thermal power wastes – fly ashes / Informacijska podrška kompleksnom iskorištenju otpada iz termoelektrane – leteći pepeo	37	(1998)	4	229-232
770.	<i>M. Holtzer, J. Danko, J. L. Lewandowski</i>	Effect of the poland's foundry industry on environment / Djelovanje poljske ljevaoničke industrije na okoliš	37	(1998)	4	233-238
771.	<i>P. Rybár, K. Kyselová, M. Zacharov, F. Sekula</i>	Changes of the structural and physico-chemical properties of the remolten nefelitic basanites / Promjena strukturalnih i fizičko-kemijskih svojstava pretaljenog nefelitnog bazanita	37	(1998)	4	239-244
772.	<i>A. Šimon, V. Jurko, B. Štefan, T. Lászlo</i>	Properties of hot and cold rolled weathering steel KONOX / Svojstva toplo i hladno valjanih klimatskih čelika tipa KONOX	37	(1998)	4	245-248
773.	<i>V. M. Kevorkijan</i>	The Chemically Assisted Immersion of Ceramic Particles into Molten Al Alloy / Kemijsko potpomognuto umješavanje keramičkih čestica u rastopljeni aluminij	38	(1999)	1	3-11
774.	<i>J. Zrník, T. Kvačkaj, S. Domdeat, S. Prasong, I. Mamuzić</i>	Controlled Rolling Process of Microalloyed Steel Grade QStE 380 TM / Kontrolirani proces valjanja mikrolegiranog čelika QstE 380 TM	38	(1999)	1	13-18
775.	<i>J. Hidvéghy, M. Buršák, J. Michel</i>	Fatigue Crack Growth in Welds of High Strength Microalloyed Steel / Razvoj pukotine nastale zamorom u zavarima	38	(1999)	1	19-23

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776.	<i>I. Vitez, D. Krumes, K. Šimunović</i>	Investigation of Correlation Between Fatigue Endurance and Tensile Strength of Steel / Istraživanje korelacije između dinamičke izdržljivosti i vlačne čvrstoće čelika	38	(1999)	1	25-30
777.	<i>V. V. Chygyryns'kyy</i>	The Study of Stressed and Deformed Metal State under Conditions of Nonuniform Plastic Medium Flow / Studija o metalima u napregnutom i deformiranom stanju u uvjetima nejednolikog plastičnog medija	38	(1999)	1	31-37
778.	<i>I. Grum, S. Božič</i>	Surface Integrity in Laser Remelting of Aluminium Alloys / Integritet površine aluminijskih slitina otapane laserom	38	(1999)	1	39-45
779.	<i>V. Novosel – Radović, Da. Maljković</i>	Determination of Optimal Conditions for the Preparation of Briquetted Samples for X-ray Emission by Examination of their Mechanical Resistance / Određivanje optimalnih uvjeta pripreme briketiranih uzoraka za spektrometriju emisije X-zraka na temelju ispitivanja njihove mehaničke otpornosti	38	(1999)	1	47-51
780.	<i>A. Pribulová, L. Mihok</i>	Einfluss des CaO – Gehaltes in der 70% CaF – 30% AIO Schlacke an der Reinigung und Chemischer Zusammensetzung des Stahles nach dem Elektro-Schlacke-Umschmelzverfahren / Utjecaj sadržaja CaO u troski sastava 70% CaF – 30% AIO na čišćenje i kemijski sastav čelika nakon postupka pretapanja elektropećne troske	38	(1999)	1	53-56
781.	<i>M. Stubičar, V. Bermanec, D. Krumes, N. Stubičar</i>	Synthesis of ZrTiO ₄ Powder from Equimolar ZrO ₂ – TiO ₂ Powder Mixture by High Energy Dry Ball-Mill and Post-Annell Processing / Sinteza ZrTiO ₄ praha iz ekvimolarne praškaste smjese ZrO ₂ – TiO ₂ putem visokoenergetskog kugličastog mljevenja i postupka naknadnog žarenja	38	(1999)	2	59-62
782.	<i>D. Hršak, J. Šipalo – Žuljević, M. Čosić</i>	Charbothermic Preparation of Silicon Nitride Powder and its Characterization / Karbatermijska priprava i karakterizacija praha silicij – nitrida	38	(1999)	2	63-67
783.	<i>B. Grizelj</i>	Application of Finite Elements Method in Plate Bending in the Area of Small Plastic Deformation / Primjena metode konačnih elemenata kod savijanja ploča pri malim plastičnim deformacijama	38	(1999)	2	69-75
784.	<i>V. Fedirko, I. M. Pohreliuk, O. I. Yaskiv</i>	The influence of Environment of Titanium Alloys Mechanical Characteristics / Utjecaj okoline na mehanička svojstva legure titana	38	(1999)	2	77-80
785.	<i>G. Rosenberg</i>	The Influence of Yield Strength of Overload Affected Crack Growth Rate Behavior in Steels / Utjecaj granice rastezanja čelika na brzinu razvoja pukotine izazvane preopterećenjem	38	(1999)	2	81-85
786.	<i>L. Floreková, I. Michalíková</i>	Environmental View on Coal Combustion Fly Ashes as a Source of Mineral Raw Material / Ekološki pristup sagorijevanja ugljena – leteći pepeo kao izvor mineralne sirovine	38	(1999)	2	87-90
787.	<i>J. Prgin, I. Duplančič</i>	Properties of Cold-Rolled Sheets in Alloy AlLiCuMgZr / Svojstva hladno valjanih limova slitine AlLiCuMgZr	38	(1999)	2	91-95
788.	<i>J. Črnko, M. Kundak</i>	Proizvodnja čelika – danas i u budućnosti / Steel Production – Nowadays and in Future	38	(1999)	2	97-102
789.	<i>P. Rybár</i>	Simulation of Blasting by Computer Programm SIMPT / Računarska simulacija eksplozije pomoću programa SIMTP	38	(1999)	2	103-107
790.	<i>J. Kizek, L. Lazić</i>	Simulation Method for Optimization of a Mixture of Fuel Gases / Simulacijska metoda za optimizaciju mješavine gorivih plinova	38	(1999)	2	109-113
791.	<i>J. Boroška, J. Sinay, E. Stroffek</i>	Corrosion and Dynamic Stressing of Steel Wire Ropes as Risk Factor of their Operation / Korozija i dinamičko naprezanje čeličnih užadi kao čimbenici rizika u radu	38	(1999)	2	115-119
792.	<i>J. Mačala</i>	Trends of Development in Basic Pollutants in Metallurgy Sources in the Slovak Republic / Trendovi razvoja osnovnih zagađivača u metalurgiji Republike Slovačke	38	(1999)	2	121-124

1	2	3	4			
793.	<i>F. Vodopivec, J. Vojvodić – Tuma, M. Lovrečić – Saražin</i>	On Strain Ageing of Structural Steels with Yield Stress 265 to 1000 MPa / O deformacijskom starenju konstrukcijskih čelika s granicom razvlačenja 265 do 1000 MPa	38	(1999)	3	127-135
794.	<i>E. Kalinushkin, I. Mamuzić, Yu. Taran</i>	Effect of the Cooling Rate on the Hot Ductility and the Mechanism of the Phase Transformation in Solidification of Tool Steels / Utjecaj brzine hlađenja na kovkost vrućeg materijala i mehanizam transformiranja faze u skrućivanju alatnih čelika	38	(1999)	3	137-141
795.	<i>B. Šuštaršič, M. Doberšek, B. Breskvar, M. Torkar, V. Kevorkijan, A. Smolej, V. Nardin, S. Dai</i>	Properties of Hot Extruded Al/SiC Metal Matrix Composites / Svojstva toplo ekstrudiranih Al-SiC kompozita	38	(1999)	3	143-149
796.	<i>I. Budić, D. Krumes, I. Vitez</i>	Einfluss von Eigenspannungen auf den Bruch von Heizkörper aus Grauguss / Utjecaj zaostalih napreznja na pucanje radijatorskih članaka od sivog lijeva	38	(1999)	3	151-154
797.	<i>V. Gontarev, J. Medved</i>	Preparation and Characterization of Some Cu-S Alloys / Priprema i karakterizacija nekih Cu-S slitina	38	(1999)	3	155-159
798.	<i>Z. Zsigraiová, A. Varga, V. Vítek</i>	Model of the Rotary Kiln for Magnesite Clinker Sintering as the Tool for the Performance Evaluation / Model rotacijske peći za sinteriranje magnezitnog klinkera kao sredstvo za određivanje radnih karakteristika	38	(1999)	3	161-166
799.	<i>L. Lukáč</i>	Influence of Cooling Air Bypass on the Nominal Fuel Consumption in a Shaft Furnace for Magnesite Clinker Sintering / Utjecaj korištenja dijela zraka za hlađenje na nominalnu potrošnju goriva u šahtnoj peći za sinterovanje magnezitnog klinkera	38	(1999)	3	167-170
800.	<i>A. Varga, M. Tatič</i>	Evaluation of the Thermal Regime of Slab Heating in the Push Furnaces in VSŽ a. s. Košice / Ocjena toplinskog režima zagrijavanja slabova u potisnoj peći u VSŽ – Košice	38	(1999)	3	171-176
801.	<i>V. Vítek</i>	Gas Flow in Fixed Beds as a Problem of Parallel and Serial Net of Channels / Tijek plina u fiksnom procesnom prostoru kao problem pri paralelnim i serijskim mrežama kanala	38	(1999)	3	177-181
802.	<i>L. Mihok, A. Pribulová, D. Fedičová</i>	Formation and Composition of Slag in Oxygen Converters / Formiranje i sastav troske u konvertorima	38	(1999)	3	183-188
803.	<i>G. Rosenberg</i>	Evaluation of Fatigue Growth Threshold for Small and Sharp-notched Specimens / Ocjena granice razvoja za male i velike pukotine nastale zamorom materijala na uzorcima s oštrim zarezom	38	(1999)	3	189-193
804.	<i>D. Pezelj</i>	Zaključci o radu okruglog stola o problematici i izdavanja tehničkih i biotehničkih znanstveno-stručnih časopisa	38	(1999)	3	195-196
805.	<i>I. Mamuzić</i>	4. Međunarodni simpozij hrvatskih metalurga, "Materijali i metalurgija" / 4th International Symposium of Croatian Metallurgists, "Materials and Metallurgy"	38	(1999)	4	199-204
806.	<i>A. Trišč, L. Bobok, D. Schützová, B. Štefan</i>	Processing of Steel Melt-Shop Flue Ashes in the Pellet Production Process / Obrada dimnog pepela čeličane tijekom procesa proizvodnje peleta	38	(1999)	4	205-208
807.	<i>M. Math, B. Jerbić, S. Mahović</i>	Finite Element Approach Study to Backward Extrusion of Diving Container / Pristup metode konačnih elemenata u analizi protusmjernog istiskivanja ronilačke boce	38	(1999)	4	209-213
808.	<i>A. Gorbanev, E. V. Binkevich, J. Sharf, R. Shmidt, A. M. Unakov, I. Mamuzić, L. Medvedeva</i>	Simulation of Rolling Process in Low-Temperature Two-Sectional Block of Modern Wire Rolling Mill / Simulacija procesa valjanja u niskotemperaturnim dvodjelnim stanovima moderne valjaonice žice	38	(1999)	4	215-219

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809.	<i>B. M. Boychenko, I. V. Bragin, M. Duscha, S. I. Bragin</i>	New Methods of Metallurgical processes Parameters Checking and Measuring for Production of High V. Quality Steels / Nove metode provjere parametara metalurških procesa i mjerenja u proizvodnji čelika visoke kvalitete	38	(1999)	4	221-225
810.	<i>I. Budić, Z. Bonačić – Mandinić</i>	Some Influential Parameters on Porosity Defects Casting of Al Ingot Castings / Neki utjecajni parametri na mjehuravost pri lijevanju aluminijskih odljevaka u kokilu	38	(1999)	4	227-231
811.	<i>Y. Yakovlev, L. Kamkina</i>	Part of Different Kinds of Mass Transfer Between Liquid and Solid Phases in Smelting Shaft Furnaces / Različiti oblici prijenosa mase između tekućih i čvrstih faza u talioničkim šahtnim pećima	38	(1999)	4	233-235
812.	<i>E. I. Kharkov, V. I. Lysov, A. G. Rudenko, T. L. Tsaregradskaya, O. V. Turkov</i>	The Thermal and Plastic Processing of Some Amorphous Alloys / Proces plastičnog oblikovanja i toplinske obrade amorfnih slitina	38	(1999)	4	237-240
813.	<i>T. Kuffa</i>	Kinetics of Removal Copper Oxides from the Properzi Casting Copper Wire / Kinetika uklanjanja bakrenih oksida s žice proizvedene "Properzi" postupkom	38	(1999)	4	241-244
814.	<i>V. M. Kevorkijan</i>	Metal Matrix Composites in the Automotive Industry / Kompoziti na osnovi aluminija u automobilske industriji	38	(1999)	4	245-249
815.	<i>Z. Lukačević, I. Vitez, L. Maglić</i>	Product Quality and Reliability / Kvaliteta i pouzdanost proizvoda	38	(1999)	4	251-256
816.	<i>L. Lazić</i>	Computation Modelling of Turbulent Flow Combustion and Heat Transfer in Fired Furnaces / Numeričko modeliranje strujanja, izgaranja i prijenosa topline u plamenim pećima	38	(1999)	4	257-262
817.	<i>I. Imriš, M. Buršák, A. Klenovčanová</i>	The effect of Annealing to Surface Quality of Ag-Cu 750/1000 Alloy / Utjecaj žarenja na kvalitetu površine slitine Ag-Cu 750/1000	39	(2000)	1	3-8
818.	<i>H. Bruncková, F. Kováč</i>	Sulphide – Nitride Inhibition Variant with AlN, MnS Precipitates and Cu Coprecipitates with MnS in Fe-3% Si Steels / Varijanta inhibicije sulfid – nitrida s precipitatima AlN, MnS i Cu suprecipitatima s MnS u čelicima Fe-3% Si	39	(2000)	1	9-14
819.	<i>L. Y. Matsui, V. I. Lysov, E. I. Kharkov, L. Vovchenko</i>	Structure and Properties of thermoexpanded Graphites modified by Metals / Struktura i svojstva toplinski obrađenih grafita modificiranim metalima	39	(2000)	1	15-19
820.	<i>G. Sučik, D. Hršak, T. Kuffa</i>	The Effect of Iron on α -Si ₃ N ₄ whiskers formation / Utjecaj željeza na stvaranje viskera α -Si ₃ N ₄	39	(2000)	1	21-23
821.	<i>J. Medved, V. Gontarev, J. Čevka</i>	Investigation of the Boron Nitride Coatings / Istraživanje bor nitridnih prevlaka	39	(2000)	1	25-28
822.	<i>E. I. Kharkov, V. Lysov, O. V. Turkov, T. Tsaregradskaya, L. Y. Matsui</i>	The Regulaties of Crystallisation of some Amorphous Alloys / Pravilnost kristalizacije nekih amorfnih legura	39	(2000)	1	29-32
823.	<i>J. Grum, S. Božič, R. Lavrič</i>	Influence of the Type of Quenching Agent on Mechanical Properties of Steels / Utjecaj vrste sredstava za kaljenje na mehanička svojstva čelika	39	(2000)	1	33-39
824.	<i>Y. Lester, I. Mamuzić, L. V. Medvedeva</i>	Definition of the Geometrical Characteristic of the cross Section of intermediate continuous Pooring of Steel Production during Cooling / Definicija geometrijskih karakteristika presjeka poluproizvoda tijekom hlađenja kontinuirano lijevanog čelika	39	(2000)	1	41-43
825.	<i>D. Constantinescu, A. Nicolae</i>	Aspect Regarding the Ecological Balance for Metallurgical Processes / Aspekti ekološke ravnoteže u metalurškim procesima	39	(2000)	1	45-49
826.	<i>L. Bobok, J. Bíreš, D. Schützová, A. Trišč</i>	Electronic Product Definition – a progressive way to Development of Foundry / Elektronsko definiranje proizvoda – progresivan način razvoja ljevarstva	39	(2000)	1	51-53

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827.	<i>M. Fröhlichová, L. Fröhlich</i>	Influence of Technology Factors on the Life Span of Oxygen Converter Lining / Utjecaj tehnoloških čimbenika na vijek trajanja obloge konvertera	39	(2000)	1	55-58
828.	<i>R. Golubchik, D. Merkulov, N. Merkulova</i>	Peculiarities of Piercing Steel Billets with different initial Plasticity / Osobitosti bušenja gredica s različitom početnom plastičnošću	39	(2000)	1	59-62
829.	<i>V. Kevorkijan</i>	An Economic Evaluation of Aluminium-Based lightening in passenger cars – good news for Aluminium / Ekonomičnost primjene aluminija na automobilima – dobre vijesti za aluminij	39	(2000)	1	63-64
830.	<i>V. Kevorkijan, G. L. Chiarmetta, M. Muso, M. Rosso, M. Torkar</i>	Stabilisation in and Rejection of Ceramic Particles from Molten Al-Alloy – Modelling and Experimental Testing / Stabilnost suspenzije keramičkih čestica u rastaljenoj aluminijevoj slitini – modeliranje i praktično ispitivanje	39	(2000)	2	67-76
831.	<i>L. Vehovar, M. Tandler, A. Vehovar</i>	Research into the Resistance to Hydrogen Embrittlement of Structural Steel Weelds using the Nace-Test and Corrosion Elongation curves / Istraživanja otpornosti vara konstrukcijskih čelika na vodikovu krhkost s NACE-testom i korozijskim krivuljama istezanja	39	(2000)	2	77-81
832.	<i>A. Kotchoubei, E. Rakita</i>	Numerical Modeling of Two-Dimensional and Three Dimensional Processes of Impulse and Heat Transfer in the Field of Complicated Geometric Forms / Matematički modeli dvodimenzionalnih i trodimenzionalnih prijenosa impulsa i opline u kompliciranim geometrijskim kalupima	39	(2000)	2	83-87
833.	<i>A. Vashchenko, I. M. Spiridonova, E. Sukhovaya</i>	Deformation and Fracture of Structural Materials under High-Rate Strain / Deformacija i lom materijala pri visokom stupnju naprezanja	39	(2000)	2	89-92
834.	<i>L. Mihok, D. Fedičová</i>	Reciclyng of Demetallized Steelmaking slag into Charge of Basic Oxygen Converter / Recikliranje demetalizirane troske u punjenju bazičnog oksigenog konvertora	39	(2000)	2	93-99
835.	<i>I. Lesso</i>	The Design of Control System of Ignition head at the Stabilization Level in VSZ inc. Košice / Projekt kontrolnog sustava glave za paljenje na stabilizacionoj razini u VSŽ, Košice	39	(2000)	2	101-105
836.	<i>J. Grum, R. Šturm</i>	Residual Stresses after Laser Surface Remelting of Nodular Cast Iron / Zaostala naprezanja u nodularnom ljevanom željezu nakon taljenja površine laserom	39	(2000)	2	107-110
837.	<i>Y. Lester, I. Mamuzić, L. V. Medvedeva</i>	Definition of Fields of Temperature and Stresses in a Sphere During Cooling / Definiranje područja temperature i naprezanja u kugli tijekom hlađenja	39	(2000)	2	111-113
838.	<i>V. M. Fedirko, A. Pichuhn, A. Lukyanenko</i>	The Influence of Heat Treatment on Mechanical Properties of VT18Y High-Temperature Titanium Alloy Welded Joints / Utjecaj toplinske obrade na mehanička svojstva spojeva titanijske slitine VT18Y zavarenih na visokoj temperaturi	39	(2000)	2	115-118
839.	<i>L. Fröhlich, M. Fröhlichová, G. Janák, T. Lohay</i>	Matrix Microstructure of HighAluminium Refractory Building Materials and its Influence on Corrosion / Mikrostruktura matrice građevinskog vatrostalnog materijala s visokim udjelom aluminija i njegov utjecaj na koroziju	39	(2000)	2	119-123
840.	<i>J. Črnko</i>	Početak visokoškolske nastave metalurgije i nastojanja za utemeljenje studija metalurgije u Hrvatskoj / The Beginning of the Degree Granting Education of Metallurgy and Tendencies of Establishing Studies of Metallurgy in Croatia	39	(2000)	2	125-128
841.	<i>R. Kawalla, W. Lehnert</i>	Laborsimulation zur Erzeugung von Stahl-produkten mit Hilfe der endabmessungs-nahen Giess – und Walzverfahren / Laboratorijska simulacija prerade čeličnih proizvoda postupkom ljevanja i valjanja, kojima se dobivaju proizvodi u dimenzijama vrlo blizu završnim	39	(2000)	3	131-138

1	2	3	4			
842.	<i>F. Vodopivec, L. Kosec, B. Breskvar</i>	Properties and Fracture of Structural Steels in Transition Temperature Range / Svojstva i prijelom konstrukcijskih čelika u prijelaznom području žilavosti	39	(2000)	3	139-146
843.	<i>J. Zrnik</i>	Materials Development Trends connected with Materials Science and Technology Research / Trendovi razvoja materijala povezani sa znanošću o materijalima i tehnološkim istraživanjima	39	(2000)	3	147-155
844.	<i>D. Fleš</i>	Synthetic Organic Polymers with special Emphasis on their Comparison with Metals / Sintetski organski polimeri s posebnim osvrtom na njihovu usporedbu s metalima	39	(2000)	3	157-163
845.	<i>L. Mihok, L. Kucko</i>	Quality Assurance and quality Management / Osiguranje kakvoće i upravljanje kakvoćom	39	(2000)	3	165-170
846.	<i>I. Hrivnak</i>	Repair of Spherical Storage Tanks for liquified Hydrocarbon Gases / Popravak sfernih spremnika za ukapljene ugljikovodične plinove	39	(2000)	3	171-176
847.	<i>R. Turk</i>	Integration Research-Technology-Product; Metal forming Technique / Integracija Istraživanje – Tehnologija – Proizvod; Tehnika prerade metala	39	(2000)	3	177-183
848.	<i>T. Kvačkaj</i>	The Review of Steel and Steel Flat-Rolled Production / Pregled proizvodnje čelika i čeličnih valjanih proizvoda	39	(2000)	3	185-189
849.	<i>I. Mamuzić</i>	Summaries of Lectures (4th International Symposium of Croatian Metallurgical Society) / Sažeci predavanja (4. Međunarodni simpozij Hrvatskog metalurškog društva)	39	(2000)	3	191-224
850.	<i>D. A. Skobir, F. Vodopivec, L. Kosec</i>	Kriechwiderstand des Chromstahles X20CrMoV121 für den Kraftwerksbau / Otpornost čelika X20CrMoV121 protiv deformacije puzanjem za termične centrale	39	(2000)	4	227-230
851.	<i>Z. Jurković, M. Jurković</i>	Modelling and Optimization of the Tool Geometry for Deep Drawing of Sheet Metal / Modeliranje i optimizacija geometrije alata za duboko izvlačenje lima	39	(2000)	4	231-236
852.	<i>I. Anžel</i>	Dispersion Strengthening of Copper by Internal Oxidation of Rapidly Solidified Cu-Al-Zr Alloys / Disperzno očvršćivanje bakra unutrašnjom oksidacijom brzo skrućujućih Cu-Al-Zr legura	39	(2000)	4	237-241
853.	<i>M. Buršák, O. Bokuvka, I. Mamuzić, J. Michel'</i>	Impact Properties of Microalloyed Steel / Udarna svojstva mikrolegiranog čelika	39	(2000)	4	243-247
854.	<i>J. Ševčikova, J. Kocich</i>	Fatigue limit decrease in weathering steels 15 127, 15 217 and 11 523 caused by atmospheric corrosion / Smanjenje granice umora materijala, čelika (za vanjsku primj.) 15 127, 15 217 i 11 523 uzrokovanog atmosferskom korozijom	39	(2000)	4	249-252
855.	<i>J. Prgin, I. Duplančić</i>	The Influence of Tempers Both on Mechanical and Corrosion Properties of AlLiCuMgZr Aluminum Alloy / Utjecaj metalurških stanja na mehanička i korozijska svojstva slitine AlLiCuMgZr	39	(2000)	4	253-261
856.	<i>I. Budić, Z. Bonačić – Mandinić</i>	Casting of Brake Shoes in Molds With Vertical Division / Lijevanje kočionih papuča u kalupe s vertikalnom podjelom	39	(2000)	4	263-266
857.	<i>I. Vitez, I. Budić, D. Krumes</i>	Contribution to The Examination of Rail Road Steel Track Composition Purity / Prilog istraživanju čistoće čelika za tračnice	39	(2000)	4	267-270
858.	<i>L. Mihok, J. Petrik, D. Demkova</i>	19th Century Production of Iron Nails in Spiš, Slovakia / Proizvodnja željeznih čavala u Spišu, Slovačka u 19. stoljeću	39	(2000)	4	271-274
859.	<i>D. Malindžak, J. Spišák</i>	Utilisation of Condition Charts in Blast-Furnaces Operative Planning System / Upotreba analize uvjeta u operativnom sustavu planiranja rada visoke peći	39	(2000)	4	275-278
860.	<i>J. Hidvéghy, M. Buršák, J. Michel'</i>	Fatigue Properties of 700 MPa Yield Strength Microalloyed Steel / Umor materijala kod mikrolegiranog čelika granice razvlačenja od 700 MPa	39	(2000)	4	279-283
861.	<i>V. Grozdanić</i>	Numerical Simulation of Solidification of Cast Steel Cylinder / Numerička simulacija skrućivanja čeličnog valjka	39	(2000)	4	285-287

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862.	<i>I. Mamuzić</i>	Riječ glavnog i odgovornog urednika / Editor's word	40	(2001)	1	3-4
863.	<i>A. M. Dolzhanskiy, V. M. Druyan, M. Golja</i>	Technological Lubricants Research in Wire Drawing Process / Istraživanja tehnološkog maziva u procesu izvlačenja žice	40	(2001)	1	5-11
864.	<i>G. Rosenberg</i>	Fatigue Limit and Growth of Small Cracks in Notched Specimen / Granica zamora materijala i male pukotine u zarezanim mjernim uzorcima	40	(2001)	1	13-18
865.	<i>M. Godec, M. Jenko</i>	Texture Investigation of Electrical Steels / Ispitivanja teksture električnih čelika	40	(2001)	1	19-22
866.	<i>A. Jaklič, T. Kolenko, B. Glogovac</i>	Simulation of Billet Reheating Process in Walking Beam Furnace / Simulacija zagrijavanja gredica u koračnoj peći	40	(2001)	1	23-27
867.	<i>B. Kosec, F. Kosel, L. Kosec, M. Bizjak</i>	Macroscopic Modelling of Two-Phase Metal Materials Subjected to Plastic Deformation / Makroskopsko modeliranje dvofaznih metalnih materijala podvrgnutih plastičnoj deformaciji	40	(2001)	1	29-32
868.	<i>G. Cukor, M. Jurković</i>	Contribution to the Stochastic Modelling of Plastic Processing / Prilog stohastičkom modeliranju plastične obradbe	40	(2001)	1	33-36
869.	<i>I. Budić, Z. Bonačić – Mandinić</i>	Effect of Surface Treatment on Wall Thickness and Residual Stresses (RS) in Castings / Utjecaj površinske obrade (čišćenja) na debljinu stijenke i zaostala naprezanja odljevaka	40	(2001)	1	37-40
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871.	<i>J. Kubicki, B. Piekarski</i>	Methods of Improvement of Resistance to Carburization of Creep-Resistant Cast Steels / Metode poboljšanja otpora karburizaciji lijevanih čelika otpornih prema puzavosti	40	(2001)	1	47-50
872.	<i>P. Rybár, K. Kyselová, M. Cehlar, M. Zacharov, F. Sekula</i>	Changes in the Properties of Remolten Biotitic-Quartzitic Gneisses from "Branisko", Slovak Republic / Promjene svojstava pretaljenog biotitino-kvarcinitnog gnajsa lokaliteta Branisko, Slovačka	40	(2001)	1	51-55
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874.	<i>I. Mamuzić</i>	4th "International Symposium of Croatian Metallurgical Society, "Materials and Metallurgy" / Četvrti međunarodni simpozij Hrvatskog metalurškog društva, "Materijali i metalurgija"	40	(2001)	1	61-63
875.	<i>I. Košťál, P. Nemčovsky, J. Terpák, E. Dorčák</i>	Optimisation of the sintering process / Optimalizacija procesa sinterovanja	40	(2001)	2	67-70
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882.	<i>M. Buršák, I. Mamuzić J. Michel, J. Hidvéghy,</i>	Strength and plasticity of hot and cold rolled high strength weathering formable steel sheets / Čvrstoća i plastičnost toplo i hladnovaljanih visokočvrstih čeličnih limova izloženih atmosferskim utjecajima	40	(2001)	2	101-105
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884.	<i>A. Trišč</i>	Sulphur distribution in the sintering process with waste gases recirculation / Raspored sumpora u procesu sinterovanja s reciklacijom otpadnih plinova	40	(2001)	2	111-114
885.	<i>L. Lukáč, J. Rákoš,</i>	Possibilities of energy savings at drying and pre-heating of a continuous steel casting tundish / Mogućnosti uštede energije pri sušenju i predgrijavanju livnog lonca za kontinuirano ljevanje	40	(2001)	2	115-118
886.	<i>F. Tehovnik, B. Koroušić, B. Arh, A. Rozman</i>	Einfluss der Zusammensetzung der charge auf die Produktion vom hochqualitäteten Werkzeugstahl / Utjecaj sastava uloška (šarže) na proizvodnju visoko-kvalitetnih alatnih čelika	40	(2001)	2	119-123
887.	<i>I. Mamuzić</i>	5th International Symposium of Croatian Metallurgical Society / Peti Međunarodni simpozij Hrvatskog metalurškog društva	40	(2001)	3	127-134
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889.	<i>V. V. Chygyryns'kyi, I. Mamuzić</i>	The investigation of the influence of correcting stress component in the three-dimensional solution on some parameters of the process of the coplex shapes rolling / Istraživanje trodimenzionalnog rješenja komponente korektivnog naprežanja na dio faktora u procesu valjanja	40	(2001)	3	139-142
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895.	<i>M. Knap, R. Turk</i>	Expert System for Determination of the Optimal Control Program for the Workability Testing of Materials on the Gleeble 1500 Machine / Ekspertni sustav za određivanje optimalnog kontrolnog programa preradbenih svojstava materijala pomoću uređaja Gleeble 1500	40	(2001)	3	165-168
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897.	<i>M. Tatič, A. Mašlejová</i>	Effect of MgO addition into slag on refractory wear / Dodavanje MgO u trosku i njegov utjecaj na trošenje vatrostalnog materijala	40	(2001)	3	175-180
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899.	<i>E. Dudrová, M. Kabátová, L. Parilák, E. Košč</i>	Microstructure and Properties of Fe-3Mn-Cx Sintered Steels / Mikrostruktura sinterovanih čelika Fe-3Mn-Cx	40	(2001)	4	187-194

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900.	<i>L. Vehovar, A. Vehovar, M. Tandler</i>	The Corrosion Resistance of Austenitic Stainless Steel, Alloyed with Nitrogen / Otpornost na koroziju austenitnog nehrđajućeg čelika legiranog dušikom	40	(2001)	4	195-200
901.	<i>J. Črnko, M. Kundak, M. Gojić, Ž. Acs</i>	Structure and Composition of the Scale on Steel Blooms Heated in a Pusher-Type Furnace / Struktura i sastav ogorine na zagrijanim čeličnim blumovima u potisnoj peći	40	(2001)	4	201-205
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904.	<i>E. Štroffek, I. Lesso</i>	Acoustic Method for Measurement of Young's Modulus of Steel Wire Ropes / Akustička metoda mjerenja youngovog modula čeličnog užeta	40	(2001)	4	219-221
905.	<i>V. Vitek</i>	Study of Flow Pattern Solution Possibilities in the Furnace Zonal Models / Studija o mogućim rješenjima za sliku strujanja u modulima zona peći	40	(2001)	4	223-228
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912.	<i>I. Mamuzić</i>	Četrdeseta obljetnica tiskanja časopisa Metalurgija / The Forty Anniversary of the Publishing of the Journal Metalurgija – preslik u "Metalurgija" 41(2002)1, 3-12	40	(2001)	izv.br./ spec.issue	251-260
913.	<i>I. Mamuzić</i>	Pravilnik o načinu rada časopisa Metalurgija / Rule Book on the Kind of Work of the journal Metalurgija – preslik u "Metalurgija" 41(2002)1, 13-15	40	(2001)	izv.br./ spec.issue	261-262
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917.	<i>M. P. Tonković, L. Kosec, J. Lamut, V. Gontarev, Z. Samardžija</i>	Mechanism of the Oxidation of the Fe-C-Si-Al-Zr Alloys / Mehanizam oksidacije legura Fe-C-Si-Al-Zr	41	(2002)	1	17-22
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921.	<i>T. Kvačkanj, I. Pokorný</i>	Auto Body Sheets for a New Car Generation / Limovi za karoserije auta nove generacije	41	(2002)	1	37-42
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925.	<i>M. Pivovarači, J. Kijac</i>	Nondesirable Additives Contents Reduction in Continuously Cast Steel / Reduciranje nepoželjnih aditiva u kontinuirano lijevanom čeliku	41	(2002)	1	57-60
926.	<i>J. Črnko</i>	U spomen Pavlu Pavloviću	41	(2002)	1	61-63
927.	<i>J. Črnko</i>	Composition and Properties of TiO ₂ Powder Got Hydrometallurgically / Sastav i svojstva hidrometalurški dobivenog praha TiO ₂	41	(2002)	2	67-70
928.	<i>J. Michel, M. Buršák, I. Mamuzić</i>	Creep Properties of Microalloyed Steels / Svojstva puzanja mikrolegiranih čelika	41	(2002)	2	71-76
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930.	<i>J. Tušek</i>	Narrow-Gap Submerged-Arc Welding With a Multiple- Wire Electrode / Elektrolučno zavarivanje pod prahom višestrukim žičanom elektrodom u uskom rasporu	41	(2002)	2	83-88
931.	<i>J. Tušek</i>	Factors Affecting Weld Shape in Welding With a Triple- Wire Electrode / Faktori koji utječu na oblik zavora kod elektrolučnog zavarivanja trostrukom žičanom elektrodom	41	(2002)	2	89-92
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933.	<i>P. Rybár, K. Kysel'ová, M. Cehlár, M. Zacharov</i>	Study of the Hyperstene Augitic Andesite From the Ruskov Area Natural Form and Remelting in Atmospheric Conditions / Studija o hiperstenom augitnom andezitu s područja Ruskova u prirodnom obliku i pretaljanje u atmosferskim uvjetima	41	(2002)	2	99-103
934.	<i>P. Rybár, F. Sekula, T. Lazar</i>	Controlled Combustion of Hydrogen-Oxygen Flame at High Pressures / Kontrolirano izgaranje vodika i kisika u plamenu pri visokom tlaku	41	(2002)	2	105-107
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936.	<i>K. Kostúr, M. Laciak</i>	Model for Indirect Measurements of Ld – Steelmaking Process / Model neizravnog mjerenja LD-postupka dobivanja čelika	41	(2002)	2	113-116
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938.	<i>K. Kostúr</i>	Control System of Coking Plant / Sistem upravljanja kokсарom	41	(2002)	2	121-124

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939.	<i>N. Gryechanyuk, I. Mamuzić, P. Shpak</i>	Modern Electron-Beam Technologies of Melting and Evaporation of Materials in Vacuum, by Used "GEKONT"-Company, Ukraine / Suvremene elektrono-lučne tehnologije topljenja i isparavanja materijala u vakuumu, rabljenih u tvrtki "GEKONT", Ukrajina	41	(2002)	2	125-128
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942.	<i>W. Schwenzfeier, M. Philipp, O. K. Harrer</i>	Simulation in der Metallurgie / Simulacija u metalurgiji	41	(2002)	3	143-147
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944.	<i>H. Hiebler</i>	Entwicklung und Stand des LD-Verfahrens / Razvoj i stanje LD-postupka	41	(2002)	3	157-164
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947.	<i>K. – E. Hensger</i>	Processing of Advanced Structural Steels on CSP Plants / Prerada modernih strukturnih čelika u CSP tvornicama	41	(2002)	3	183-190
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949.	<i>D. Fleš</i>	Materials for the New Millennium-Synthetic Inorganic, Semi-Inorganic, and Organic-Inorganic Hybrid Polymers / Materijali za novo tisućljeće – anorganski, polu-anorganski i organsko-anorganski hibridni polimer	41	(2002)	3	199-205
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951.	<i>I. Mamuzić</i>	5th International Symposium of Croatian Metallurgical Society, Materials and Metallurgy / Peti međunarodni simpozij Hrvatskog metalurškog društva, Materijali i metalurgija Summaries of Lectures – Sažeci predavanja	41	(2002)	3	215-216
952.	<i>I. Mamuzić</i>	Plenary Lectures – Summaries of Lectures	41	(2002)	3	217
953.	<i>F. Vodopivec</i>	Review of Papers of Materials – Section "A"	41	(2002)	3	219
954.	<i>F. Vodopivec</i>	Materials – Section "A" – Summaries of Lectures	41	(2002)	3	220-236
955.	<i>L. Mihok</i>	Review of Papers of Process Metallurgy – Section "B"	41	(2002)	3	237-238
956.	<i>L. Mihok</i>	Process Metallurgy – Section "B" – Summaries of Lectures	41	(2002)	3	239-253
957.	<i>A. Povržanović</i>	Review of Papers of Plastic Processing – Section "C"	41	(2002)	3	254-255
958.	<i>A. Povržanović</i>	Plastic Processing – Section "C" – Summaries of Lectures	41	(2002)	3	256-264
959.	<i>J. Črnko</i>	Review of Papers of Metallurgy and Related Topics – Section "D"	41	(2002)	3	265
960.	<i>J. Črnko</i>	Metallurgy and Related Topics – Section "D" – Summaries of Lectures	41	(2002)	3	266-268
961.	<i>J. Črnko</i>	The Journal of Metallurgy an Outline of the Reality of the Metallurgical Profession in Croatia in the Past and at Present / Časopis Metalurgija – ocrtana stvarnost metalurške struke u prošlosti i danas u Republici Hrvatskoj	41	(2002)	4	271-277
962.	<i>I. Mamuzić</i>	5th International Symposium of Croatian Metallurgical Society, "Materials and Metallurgy" / Peti međunarodni simpozij Hrvatskog metalurškog društva, "Materijali i metalurgija"	41	(2002)	4	279-283

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963.	<i>E. Čižnárová, J. Michel, I. Mamuzić, M. Buršák</i>	Influence of Strain Rate on Properties of Microalloyed S-MC Steel Grades / Utjecaj brzine naprezanja na svojstva mikrolegiranog čelika S-MC gradacije	41	(2002)	4	285-290
964.	<i>J. Ševčíková, J. Kocich</i>	Contribution to the Investigation of Corrosion Properties of the Ni-Ti Alloy with Shape Memory / Doprinos istraživanju korozivnih svojstava slitine Ni-Ti s pamćenjem oblika	41	(2002)	4	291-294
965.	<i>J. Tušek</i>	Submerged Arc Surfacing with a Multiple-Wire Electrode / Navarivanje pod prahom s višežičanom elektrodom	41	(2002)	4	295-300
966.	<i>M. Kundak, J. Črnko, Đ. Nikolić</i>	The Profile of a Pusher-Type Furnace and Fuel Consumption / Profil potisne peći i potrošnja goriva	41	(2002)	4	301-304
967.	<i>D. Krumes, I. Vitez, Z. Kolumbić</i>	Influence of the Boron Phases on the Materials Ductility / Utjecaj boridnih faza na duktilnost materijala	41	(2002)	4	305-308
968.	<i>M. Kupková, S. Strobl, M. Kupka, H. Danninger, E. Dudrová</i>	Static Compression and Resonance Vibration Tests on Cellular Materials Gravity Sintered from Hollow Bronze Spheres / Ispitivanja statičke kompresije i rezonantne vibracije celularnih materijala dobivenih gravitacijskim sinterovanjem šupljih brončanih kugli	41	(2002)	4	309-312
969.	<i>L. Lazić, P. Jelić, S. Pavlenić</i>	Optimization of Timely Replacement of Sectional Furnace Refractory Lining / Optimizacija vremena zamjene vatrostalne obloge na segmentnim pećima	41	(2002)	4	313-316
970.	<i>V. Baričak</i>	Fluid Flow within Slide Bearings the Cause of Self-Exciting Vibration / Tok fluida u kliznim ležajevima uzročnik samouzbudnih vibracija	41	(2002)	4	317-321
971.	<i>A. Miškufová, T. Kuffa</i>	Problems and Perspectives in Preparation of CaO Refractory / Problemi i perspektive u pripremi vatrostalnog materijala CaO	41	(2002)	4	323-326
972.	<i>B. Grizelj, I. M. Kenter, M. Math</i>	Werkstoff – und Geometriewerkstückbeeinflussung auf Laserstrahlbiegen / Utjecaj materijala i geometrije radnog komada kod savijanja laserom	41	(2002)	4	327-331
973.	<i>D. Bauman</i>	Twenty Six Years of the Scanning Electron Microscopy Tradition in Željezara Sisak / Dvadesetšest godina tradicije “scanning” elektronske mikroskopije u Željezari Sisak	41	(2002)	4	333-335
974.	<i>E. Dudrová, M. Kabátová, R. Bidulský</i>	Microstructure, Mechanical Properties and Failure of Fe-3Mn-0.7C Sintered Steel / Mikrostruktura, mehanička svojstva i greške na sinterovanom čeliku Fe-3Mn-0.7C	42	(2003)	1	3-8
975.	<i>V. V. Bukhanovsky, I. Mamuzić, V. A. Borisenko</i>	The Effect of Thermal Treatment on the Mechanical Properties of Low-Alloyed Molybdenum Alloys over the Wide Range of Temperatures / Utjecaj toplinske obradbe na mehanička svojstva niskolegiranih slitina molibdena u širokom temperaturnom područje	42	(2003)	1	9-14
976.	<i>F. Kovač, M. Dzubinsky</i>	Prediction of Deformation Resistance of Low Carbon Steels During Hot Rolling / Izračunavanje otpora deformacije nisko ugljičnih čelika tijekom toplog valjanja	42	(2003)	1	15-20
977.	<i>J. Tušek</i>	Bridging of Welding Gaps in Welding with a Multiple-Wire Electrode / Premoštenje zazora pri zavarivanju s višežičanom elektrodom	42	(2003)	1	21-25
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979.	<i>S. Borkowski</i>	The Temperature Decrease of the Treated Cast Iron Using an Injection / Smanjivanje temperature obrađivanog lijevanog željeza ubrizgavanjem	42	(2003)	1	33-36

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980.	<i>A. Mockovčičaková, B. Pandula</i>	Study of the Relation Between the Static and Dynamic Moduli of Rocks / Proučavanje odnosa između statičnog i dinamičnog modula stijena	42	(2003)	1	37-39
981.	<i>R. Budzik</i>	Titanium in the Process of Smelting Pig Iron with an Increased Silicon Content / Titan u procesu talenja sirovog željeza s povećanom količinom silicija	42	(2003)	1	41-45
982.	<i>N. Devčić, I. Mamuzić</i>	50 godina proizvodnje bešavnih cijevi u Hrvatskoj – Željezari Sisak / 50 Years of Seamless Tubes Manufacturing in Croatia – Steel Works Sisak	42	(2003)	1	47-55
983.	<i>K. Siekański, S. Borkowski</i>	Analysis of Foundry Defects and Preventive Activities for Quality Improvement of Castings / Analiza ljevačkih grešaka i preventivne aktivnosti za poboljšanje kvalitete odljevaka	42	(2003)	1	57-59
984.	<i>R. Ulewicz</i>	Quality Control System in Production of the Castings from Spheroid Cast Iron / Sustav kontrole kvalitete u proizvodnji lijeva od sferoidnog lijevanog željeza	42	(2003)	1	61-63
985.	<i>J. Selej dak</i>	Influencing Factors onto Quality of Welded Pipes / Čimbenici koji utječu na kvalitetu šavnih cijevi	42	(2003)	1	65-67
986.	<i>M. Malina</i>	Tranzicija u Željezari Sisak / Transition in Steel Works Sisak	42	(2003)	1	69-73
987.	<i>I. Mamuzić</i>	Minutes of the Meeting of Editorial Board of the Journal Metalurgija / Zapisnik sa sastanka Uredničkog odbora časopisa Metalurgija	42	(2003)	1	75-76
988.	<i>I. Mamuzić</i>	6th International Symposium of Croatian Metallurgical Society, “Materials and Metallurgy” / Šesti međunarodni simpozij Hrvatskog metalurškog društva, “Materijali i metalurgija”	42	(2003)	2	79-84
989.	<i>V. V. Bukhanovsky, I. Mamuzić</i>	The Effect of Temperature on Mechanical Characteristics of Niobium Alloys of the System Nb-W-Mo-Zr / Utjecaj temperature na mehanička svojstva slitina niobija u sustavu Nb-W-Mo-Zr	42	(2003)	2	85-90
990.	<i>V. Sinka, L. Pešek</i>	Growth and Damage of the α -Stabilized Layer in the Titanium Alloy VT3-1 During Thermal Cycling / Rast i oštećenje α -stabiliziranog sloja u slitini titanija VT3-1 tijekom toplinskog cikliranja	42	(2003)	2	91-93
991.	<i>M. Kupková, M. Kupka, S. Strobl, G. Khatibi, M. Kabátová, E. Dudrová</i>	Effective Flexural Modulus of Bars Containing Cellular-Material Layer, and the Use of this Modulus for Determining the Effective Elastic Modulus of a Cellular Material / Stvarni modul savijanja motki koje imaju sloj od staničnog materijala i uporaba tog modula za određivanje stvarnog modula elastičnosti staničnog materijala	42	(2003)	2	95-98
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993.	<i>J. Hidvéghy, J. Michel, M. Buršák</i>	Residual Stress in Microalloyed Steel Sheet / Zaostala naprezanja u mikrolegiranom čeličnom limu	42	(2003)	2	103-106
994.	<i>J. Bilík, V. Roubíček, Š. Vilamová, P. Pustějovská</i>	Actual Possibilities of Coal Utilization in Iron Metallurgy / Stvarne mogućnosti korištenja ugljena u metalurgiji željeza	42	(2003)	2	107-111
995.	<i>C. Kolmasiak, R. Budzik</i>	Investigations of Gas Permeability of the Charge in the Reduction Process of Iron Ores by Hard Coal / Ispitivanja šarži na propusnost plina u procesu redukcije željezne rude krutim ugljenom	42	(2003)	2	113-116
996.	<i>A. Kisiołek, R. Budzik, C. Kolmasiak</i>	Public Relations on the Internet on the Examples of the Metallurgical Industry in Poland and in the World / Public Relations (odnosi s javosti) preko interneta na primjerima metalurške industrije u Poljskoj i u svijetu	42	(2003)	2	117-121
997.	<i>E. Konstanciak, R. Budzik, W. Waszkielewicz</i>	The Analysis and Control of the Non-Conformances of Products Manufactured in a Plate Rolling Mill in the Aspect of Quality Management / Analiza i kontrola neujednačenosti proizvoda valjaonice debelog lima s aspekta reguliranja kvalitete	42	(2003)	2	123-127

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998.	<i>E. Staniewska, W. Waszkielewicz</i>	The Estimations Element of Logistic in Administration of Reserves on the Example of Steelwork / Utvrđivanje uloge logistike u administraciji rezervnih dijelova na primjeru jedne čeličane	42	(2003)	2	129-133
999.	<i>K. Gawdzińska, J. Grabian, L. Wojnar</i>	Analysis of Defects Formation in as-Cast Metal Saturated Composites / Analiza nastanka grešaka u zasićenim kompozitnim metalima u lijevanom stanju	42	(2003)	2	135-140
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1003.	<i>V. Bukhanovsky, I. Mamuzić, V. Borisenko</i>	Interrelation Between the Structural State of Material and Mechanical Properties of Low-Alloyed Molybdenum Alloys / Međusobni odnos strukture materijala i mehaničkih svojstava niskolegiranih molibdenovih slitina	42	(2003)	3	159-166
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1015.	<i>A. Konstanciak</i>	High-Temperature Investigation of the Properties of Blast Furnace Coke / Visoko temperaturno istraživanje svojstava koksa za visoke peći	42	(2003)	4	235-237
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1030.	<i>V. Goryany, I. Mamuzić, T. Hlyntseva, V. Radsinsky</i>	Structure Formation in Strip Steel by Thermal Strengthening / Stvaranje struktura u čeličnoj traci toplinskim očvršćivanjem	43	(2004)	1	41-44
1031.	<i>V. Grozdanić, A. Markotić</i>	Three – Dimensional Mathematical Model of Fusion of Steel Scrap in the Converter Melt / Trodimenzijski matematički model taljenja čeličnog otpatka u konvertorskoj talini	43	(2004)	1	45-48
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1034.	<i>J. Kijac, P. Kováč, E. Steranka, V. Masek, P. Marek</i>	The current status of Tundish Covering slags in a slab caster plant / Današnje stanje međulonca s pokrivnim troskama u ljevaonici slabova	43	(2004)	1	59-62
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1037.	<i>U. Rotnik, M. Marolt, G. Manojlović, L. Vehovar, S. Božič</i>	The Influence of Hydrogen in Solid Solutions of Spring Steel / Utjecaj vodika u krutoj otopini čelika za opruge	43	(2004)	2	77-82
1038.	<i>B. Kosec, L. Kosec, G. Čevnik, P. Fajfar, M. Gojčić, I. Anžel</i>	Analysis of Interface at Explosive Welded Plates from Low-Carbon Steel and Titanium / Analiza međupovršine eksplozijski zavarenih ploča iz niskougljičnog čelika i titana	43	(2004)	2	83-86
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1041.	<i>M. Kupková, M. Kupka</i>	Theoretical Bounds on the Electrical Conductivity of Sintered Materials and their Relation to Bounds on the Young's Modulus / Teoretske granice električne provodnosti sinterovanih materijala i njihov odnos prema Youngovom modulu	43	(2004)	2	97-100
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1055.	<i>R. Kawalla, W. Lehnert</i>	Qualität durch Umformung / Kvalitet putem deformacije	43	(2004)	3	169-179
1056.	<i>V. M. Druyan, I. Mamuzić</i>	Techno – Economic Indicators of Seamless Tube Production / Tehno – ekonomski pokazatelji proizvodnje bešavnih cijevi	43	(2004)	3	181-186
1057.	<i>V. A. Grynkevych, I. Mamuzić, V. M. Danchenko</i>	On Development of Methods of Computer Simulation for Processes of Metal Forming / O razvoju metoda kompjuterske simulacije procesa oblikovanja metala	43	(2004)	3	187-192
1058.	<i>L. Mihok</i>	Quality Management Systems – New Approach by ISO 9000/2000 / Sustav upravljanja kakvoćom – novi pristup prema ISO 9000/2000	43	(2004)	3	193-198
1059.	<i>I. Mamuzić</i>	6th International Symposium of Croatian Metallurgical Society, Materials and Metallurgy / Šesti međunarodni simpozij Hrvatskog metalurškog društva, Materijali i metalurgija Summaries of Lectures / Sažeci predavanja	43	(2004)	3	199-200
1060.	<i>I. Mamuzić</i>	Plenary Lectures – Summaries of Lectures	43	(2004)	3	201-202
1061.	<i>F. Vodopivec</i>	Review of Lectures of Materials – Section “A”	43	(2004)	3	203-205
1062.	<i>F. Vodopivec</i>	Materials – Section “A” – Summaries of Lectures	43	(2004)	3	207-221
1063.	<i>L. Mihok</i>	Review of the Lectures of Process Metallurgy – Section “B”	43	(2004)	3	223-225
1064.	<i>L. Mihok</i>	Process Metallurgy – Section “B” – Summaries of Lectures	43	(2004)	3	227-239
1065.	<i>P. Fajfar</i>	Review of Lectures of Plastic Processing – Section “C”	43	(2004)	3	241-243
1066.	<i>P. Fajfar</i>	Plastic Processing – Section “C” – Summaries of Lectures	43	(2004)	3	245-254
1067.	<i>P. Fajfar</i>	Review of Lectures of Metallurgy and Related Topics – Section “D”	43	(2004)	3	255-256
1068.	<i>P. Fajfar</i>	Metallurgy and Related Topics – Section “D” – Summaries of Lectures	43	(2004)	3	257-263
1069.	<i>G. Kugler, M. Knap, H. Palkowski, R. Turk</i>	Estimation of Activation Energy for Calculating the Hot Workability Properties of Metals / Određivanje aktivacijske energije za proračun pri toploj preradi svojstava metala	43	(2004)	4	267-272
1070.	<i>Lj. Slokar, T. Matković, P. Matković</i>	Microstructure and Hardness of Co-Cr-Ti Alloys for Dental Castings / Mikrostruktura i tvrdoća Co-Cr-Ti legura za dentalne odljevke	43	(2004)	4	273-277
1071.	<i>I. Mamuzić</i>	Minutes of the Meeting of Editorial Board of the Journal Metalurgija	43	(2004)	4	278
1072.	<i>I. Mamuzić, V. Drujan</i>	Mathematical Model of Rolling Tube Blank / Matematički model valjanja cijevnice	43	(2004)	4	279-285
1073.	<i>I. Mamuzić</i>	Zapisnik sa sastanka Uredničkog odbora časopisa Metalurgija	43	(2004)	4	286
1074.	<i>L. Vokorokos, P. Blištan, S. Petřík, N. Ádám</i>	Utilization of Parallel Computer System for Modeling of Geological Phenomena in GIS / Uporaba usporednog računalnog sustava za modeliranje geoloških fenomena u sustavu zemljopisnih informacija (GIS)	43	(2004)	4	287-291
1075.	<i>I. Štyriaková, I. Štyriak, T. Sasvari</i>	Extraction of Elements from Sulphide and Silicate Concentrates by Selected Bacillus Isolates / Ekstrakcija elemenata iz sulfidnih i silikatnih koncentrata odabranom izolatom bakterija	43	(2004)	4	293-297

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1076.	<i>A. Pietriková, M. Búgel, M. Golja</i>	Preparation of SiO ₂ Powder through Leaching of Serpentine / Pripremanje praha SiO ₂ luženjem serpentina	43	(2004)	4	299-304
1077.	<i>A. Aláčová, J. Ficeriová, M. Golja</i>	Mechanochemistry and Preparation of Nanocrystalline Materials / Mehanokemija i priprema nanokristaliničnih materijala	43	(2004)	4	305-309
1078.	<i>I. Budić, G. Solenički</i>	Influencing Parameters on Homogeneity of Aluminium Metal Foam AlSi ₁₂ / Utjecajni parametri na homogenost aluminijske metalne pjene AlSi ₁₂	43	(2004)	4	311-314
1079.	<i>M. Jurković, I. Mamuzić, E. Karabegović</i>	The Sheet Metal Forming with Hydraulic Fluid Pressure / Plastično oblikovanje lima nestišljivim fluidom	43	(2004)	4	315-322
1080.	<i>V. Marušić, I. Vitez, I. Kladarić</i>	Tribological Properties of Brake Shoes with Increased Phosphorus Content / Tribološka svojstva kočnih papuča s povišenim udjelom fosfora	43	(2004)	4	323-327
1081.	<i>Z. Kolumbić, D. Krumes, I. Vitez</i>	Electrochemical Measurements on Pilot Plant for the Investigations of Hot-Dip Galvanized Pipe Corrosions / Elektrokemijska mjerenja na pilot uređaju za istraživanje korozije toplo pocinčanih cijevi	43	(2004)	4	329-333
1082.	<i>K. Kovalová, I. Mamuzić, M. Buršák</i>	Influence of the Cycling Loading Method on the Fatigue Life of Surface-Hardened Steel Sheets / Utjecaj metode cikličnog opterećivanja na umor otvrdnute površine čeličnih limova	43	(2004)	4	335-338
1083.	<i>M. Cehlár</i>	Management Technology of Wood Waste for Energetic Purposes / Upravljanje tehnologijama drvnog otpada s ciljem korištenja energije	43	(2004)	4	339-342
1084.	<i>P. Peterka, J. Krešák, S. Kropuch</i>	Non – Destructive Tests of the Steel Wire Ropes / Defektoskopska ispitivanja čeličnih pletenih užadi	43	(2004)	4	343-344
1085.	<i>J. Krešák, P. Peterka, S. Kropuch</i>	Mechanical Tests of the Steel Wire Ropes and Steel Wires / Mehanička ispitivanja čeličnih užadi i čeličnih žica	43	(2004)	4	345-347
1086.	<i>I. Mamuzić</i>	ISPRAVAK: Utemeljenje Hrvatskog metalurškog društva (HMD) u 1952. god. a ne u 1957. god. / CORRECTION: Foundation of Croatian Metallurgical Society (CMS) in 1952, not in 1957	44	(2005)	1	3-6
1087.	<i>I. Mamuzić</i>	6th International Symposium of Croatian Metallurgical Society “Materials and Metallurgy” / Šesti Međunarodni simpozij Hrvatskog metalurškog društva, “Materijali i metalurgija”	44	(2005)	1	7-11
1088.	<i>I. Mamuzić</i>	Amendments to the Rule Book of the journal Metalurgija / Izmjene i dopune Pravilnika časopisa Metalurgija	44	(2005)	1	12; 36
1089.	<i>V. Gliha</i>	The Microstructure and Properties of Materials at the Fusion Line / Mikrostruktura i svojstva materijala uz crtu taljenja	44	(2005)	1	13-18
1090.	<i>D. Rojko, V. Gliha</i>	The Influence of Simulated Thermal Cycle on the Formation of Microstructures of Multi-Pass Weld Metal / Utjecaj simuliranog termičkog ciklusa na stvaranje mikrostruktura višeprolaznog zavara	44	(2005)	1	19-24
1091.	<i>G. Banaszek, A. Stefanik, S. Berski</i>	Computer and Laboratory Modelling of the Analysis of Closing up of Metallurgical Defects in Ingots During Free Hot Forging / Kompjutersko i laboratorijsko modeliranje analize sprečavanja metalurških grešaka na ingotima tijekom slobodnog toplog kovanja	44	(2005)	1	25-29
1092.	<i>K. Laber, H. Dyja, D. Ryz</i>	Analytical and Numerical Methods of Determining the Distribution of Temperature of Air-Cooled Strip / Analitičko i numeričko utvrđivanje prostiranja temperature na traci hladenoj zrakom	44	(2005)	1	31-35
1093.	<i>G. Kosec, L. Kosec, I. Anžel, V. Gontarev, B. Kosec, M. Bizjak</i>	Internal Oxidation of Silver Alloys with Tellurium, Selenium and Sulphur / Unutarnja oksidacija legura srebra s telurom, selenom i sumporom	44	(2005)	1	37-39

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1094.	<i>R. Samur, B. G. Çetiner</i>	Quantitative Determination of Microcracks on Ceramic Coatings by Means of Computer Image Analysis / Kvantitativno određivanje mikropukotina na keramičkim premazima	44	(2005)	1	41-44
1095.	<i>K. Gawdzińska, M. Maliński</i>	Study of Reinforcement Elements Distribution Exemplified by Composite with AlSi11 Matrix and Carbon Reinforcement / Studija o raspodjeli elemenata kompozita s matricom AlSi11 i ugljikom kao ojačanjem	44	(2005)	1	45-48
1096.	<i>T. Kvačakaj, V. Vrchovinský, I. Pokorný, I. Mamuzić</i>	Nanostructural Formation by Severe Plastic Deformation / Nanostrukturno oblikovanje jakom plastičnom deformacijom	44	(2005)	1	49-51
1097.	<i>N. Devčić, I. Mamuzić, K. Terzić</i>	Greške na bešavnim cijevima / Defects on seamless tubes	44	(2005)	1	53-58
1098.	<i>R. Budzik, A. Pyrikow</i>	Metallurgical Properties of Iron Sinters Obtained on the Sinter Belt with Air Overpressure / Metalurška svojstva sintera željeza dobivenog na traci za sinterovanje s nadtlućnim zrakom	44	(2005)	1	59-61
1099.	<i>C. Kolmasiak, R. Budzik, W. Pardela</i>	Elements of Steering and Quality Management in Integrated Computer System of Metallurgical Enterprise / Elementi upravljanja poduzećem i kakvoćom u integriranom kompjuterskom sustavu metalurškog poduzeća	44	(2005)	1	63-67
1100.	<i>W. Waszkielewicz, R. Prusak, R. Budzik</i>	The Increasing of Metallurgical Enterprise Elasticity by Using Polyvalence Skills of Workers / Povećanje elastičnosti metalurških poduzeća uporabom polivalentnih vještina djelatnika	44	(2005)	1	69-73
1101.	<i>Z. Skuza, R. Prusak, W. Waszkielewicz</i>	The Possibility of Qualitatively and Quantitatively Adaptation Human Resources on the Example of Chosen Unit of Metallurgical Enterprise / Mogućnosti kvalitativne i kvantitativne prilagodbe ljudskih resursa na primjeru odabranog pogona metalurškog poduzeća	44	(2005)	1	75-79
1102.	<i>I. Mamuzić</i>	7th International Symposium of Croatian Metallurgical Society "Materials and Metallurgy" / Sedmi međunarodni simpozij Hrvatskog metalurškog društva, "Materijali i metalurgija"	44	(2005)	2	83-89
1103.	<i>D. Rydz</i>	The Influence of Asymmetry Factor and Deformation on the Criterion Optimizing the Relative Flow Rate of $St_3S+0H_{13}J$ Bimetallic Strip / Utjecaj faktora asimetrije i deformacije na kriterij optimizacije relativne brzine toka bimetalne trake $St_3S+0H_{13}J$	44	(2005)	2	91-95
1104.	<i>A. Kawatek, A. Milenin, H. Dyja</i>	Analysis of the Effect of Die Shape on the State of Strain in the Process of Extrusion of Thin-Walled Aluminium Sections / Analiza utjecaja oblika matrice na stanje naprezanja u procesu istiskivanja aluminijskih profila s tankim stjenkama	44	(2005)	2	97-101
1105.	<i>B. Pučko, V. Gliha</i>	Charpy Toughness of Vibrated Microstructures / Charpy žilavost vibriranih mikrostrukture	44	(2005)	2	103-106
1106.	<i>T. Šarić, R. Lujčić, G. Šimunović</i>	Applying of Artificial Neural Network in Maintenance Planning of Metallurgical Equipment / Primjena neuronskih mreža u planiranju održavanja metalurške opreme	44	(2005)	2	107-112
1107.	<i>D. Čurčija, I. Mamuzić</i>	Mathematical Modelling of Metal Drawing Process / Matematičko modeliranje izvlačenja metala	44	(2005)	2	113-117
1108.	<i>I. Uygur, I. Dogan</i>	The Effect of TIG Welding on Microstructure and Mechanical Properties of a Butt- Joined-Unalloyed Titanium / Utjecaj TIG zavarivanja na mikrostrukturu i mehanička svojstva sučeljeno zavarenog nelegiranog titana	44	(2005)	2	119-123
1109.	<i>K. Gawdzińska</i>	Investigation into the Propagation of Acoustic Waves in Metal Composite Materials with Carbon Reinforcement / Ispitivanje širenja akustičkih valova u kompozitnim metalnim materijalima ojačanim ugljikom	44	(2005)	2	125-128
1110.	<i>W. Waszkielewicz, A. Malicka, Z. Skuza</i>	Services, Supplies and Transport in the Concept of Outsourcing of a Metallurgical Enterprise / Usluge, dostava i prijevoz u okviru ideje o rasterećivanju metalurškog poduzeća	44	(2005)	2	129-131

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1111.	<i>A. Topčić, Dž. Tufekčić, M. Jurković, N. Zaimović-Uzunović</i>	Influence of Processes Parameters on Axial Breaking Force of Parts Produced by Selective Laser Sintering Process / Utjecaj procesnih parametara na silu kidanja dijelova proizvedenih procesom selektivnog laserskog sinteriranja	44	(2005)	2	133-136
1112.	<i>I. Vitez, D. Krumes, B. Vitez</i>	UIC-Recommendations for the Use of Rail Steel Grades / UIC-preporuke za uporabu čelika za željezničke tračnice	44	(2005)	2	137-140
1113.	<i>M. Holtzer</i>	Implementation of IPPC Directive in Foundries / Primjena IPPC naputka u ljevačkoj industriji	44	(2005)	2	141-146
1114.	<i>G. Stradomski, D. Rydz, H. Dyja</i>	Bimetal Plate St3S+Cu / Bimetalni lim St3S+Cu	44	(2005)	2	147-150
1115.	<i>H. Avdušinić, A. Gigović</i>	The Morphology and Distribution of MnS in Low Carbon Steel / Morfologija i raspored MnS u niskoougljičnom čeliku	44	(2005)	2	151-154
1116.	<i>R. Prusak, W. Waszkielewicz, R. Budzik</i>	Using of Competences Wallets Constructed for Work Stands in Humans Resource Management of Metallurgical Enterprise / Katalog kvalifikacija napravljen u menadžmentu za upravljanje ljudskim resursima za radna mjesta u metalurškom poduzeću	44	(2005)	2	155-159
1117.	<i>I. Mamuzić</i>	Popis recenzenata časopisa Metalurgija u 2003. god. / List of the Reviewers of Journal Metallurgy in 2003 y.	44	(2005)	2	160
1118.	<i>F. Tehovnik, M. Doberšek, B. Arh, B. Koroušić, D. Kmetič, V. Dunat</i>	Der einfluss seltener erden auf die entstehung nichtmetallischer einschlüsse und die mikrostruktur von hochlegiertem chromstahlguss / Utjecaj elemenata rijetkih zemalja na nastajanje nemetalnih uključaka i mikrostrukture visokokromnog lijevanog željeza	44	(2005)	3	163-168
1119.	<i>Y. Sidor, F. Kovač, V. Petrychka</i>	Secondary Recrystallization in Non-Oriented Electrical Steels / Sekundarna rekristalizacija u ne orijentiranim elektročelicima	44	(2005)	3	169-174
1120.	<i>M. Knapiński</i>	FEM 3D Analysis of Roll Deflection During Plate Rolling / FEM 3D analiza otklona valjaka pri valjanju lima	44	(2005)	3	175-178
1121.	<i>R. Budzik</i>	Behavior of Titanium Compounds in the Process of Sintering Titanium-Magnetite Concentrates / Ponašanje titanskih spojeva u procesu sinterovanja koncentrata titan-magnetit	44	(2005)	3	179-182
1122.	<i>P. Fila, L. Martínek, M. Balcar, J. Bažan, Z. Adolf</i>	Evaluation of Super Clean Steels According to Chemical Composition / Vrednovanje superčistih čelika prema kemijskom sastavu	44	(2005)	3	183-188
1123.	<i>W. Waszkielewicz, U. Kuźnicka-Kubat, A. Jończyk</i>	Methodology of determination of the location of the Logistic Steelworks Product Distribution Center / Metodologija određivanja lokacije logističkog distributivnog centra proizvoda čeličane	44	(2005)	3	189-193
1124.	<i>L. Lazić, A. Varga, J. Kizek</i>	Analysis of Combustion Characteristics in a Aluminium Melting Furnace / Analiza procesa izgaranja u peći za taljenje aluminija	44	(2005)	3	195-199
1125.	<i>I. Mamuzić, M. Longauerova, A. Štrkalj</i>	The Analysis of Defects on Continuous Cast Billets / Analiza grešaka na kontinuirano lijevanim gredicama	44	(2005)	3	201-207
1126.	<i>M. K. Kulecki, F. Mendi, I. Sevim, O. Basturk</i>	Fracture Toughness of Friction Stir Welded Joints of AlCu ⁴ SiMg Aluminium Alloy / Lomna žilavost trenjem zavarenih spojeva iz AlCu ⁴ SiMg aluminijske legure	44	(2005)	3	209-213
1127.	<i>J. Markowski</i>	The Effect of Roll Strip Feeding Angle on Stress Distribution during Strip Rolling / Utjecaj ulaznog kuta trake na raspored naprezanja pri valjanju trake	44	(2005)	3	215-219
1128.	<i>D. Čurčija, I. Mamuzić</i>	Optimisation Process of Strip Cold Rolling / Optimiziranje procesa hladnog valjanja trake	44	(2005)	3	221-226
1129.	<i>J. W. Pilarczyk, J. Markowski</i>	FEM Analysis of Effect of Die Angle on Strain and Stress State in Process of Drawing of Steel for Prestressed Concrete / FEM-analiza utjecaja kuta matrice na deformiranje i naprezanje u procesu izvlačenja čelika za prenapregnuti beton	44	(2005)	3	227-230
1130.	<i>P. Matković, J. Črnko</i>	Osvrt na reformu visokoškolskog obrazovanja na Metalurškom fakultetu Sveučilišta u Zagrebu prema Bolonjskom procesu	44	(2005)	3	231-232

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1131.	<i>F. Vodopivec</i>	Knjiga: "Inženjer, učitelj, istraživač – Ilija Mamuzić" (sažetak, proslav) / The Book: "Engineer, Teacher, Researcher – Ilija Mamuzić" (Summary, Preface)	44	(2005)	3	233-240
1132.	<i>A. Ševčík</i>	High Temperature Strength Analysis of Low Carbon Steels in the As – Cast State / Niskougljični čelici u lijevanom stanju i analiza čvrstoće na visokim temperaturama	44	(2005)	4	243-248
1133.	<i>J. Slota, E. Spišák</i>	Comparison of the Forming – Limit Diagram (FLD) Models for Drawing Quality (DQ) Steel Sheets / Usporedba oblikovno – graničnog dijagrama (FLD) modela izvlačenja za čelične limove	44	(2005)	4	249-253
1134.	<i>M. Besterci, O. Velgosová, F. Lofaj, L. Kováč</i>	Superplastic Deformation of Al-Al ₄ C ₃ Composites / Superplastična deformacija Al-Al ₄ C ₃ kompozita	44	(2005)	4	255-260
1135.	<i>I. Peruš, G. Kugler, M. Terčelj, P. Fajfar</i>	Flow Stress Prediction of Hot Compressed Tool Steel by CAE NN and Hyperbolic-Sine Equation / Predmnijevanje napona naprezanja kod vrućeg sabijanja čelika s CAE NN i hiperboličnom – sinusoidnom jednačbom	44	(2005)	4	261-268
1136.	<i>B. Piekarski</i>	Properties of Stabilised Ni-Cr Cast Steel Exposed to the Effect of Carburising Atmosphere and Thermal Fatigue / Svojstva stabiliziranog Ni-Cr čeličnog lijeva izloženog utjecaju atmosfere za naugljčavanje i termalnom zamoru	44	(2005)	4	269-274
1137.	<i>A. W. Bydalek, W. Maziarz, K. Najman</i>	The Mass Transfer on the Slag – Liquid Metal Interphases / Prijenos mase na međufaze troske – tekući metali	44	(2005)	4	275-279
1138.	<i>J. Terpák, L. Dorčák, I. Košťál, L. Pivka</i>	Control of Burn-through Point for Agglomeration Belt / Kontrola točke staljivanja na aglomeracijskoj traci	44	(2005)	4	281-284
1139.	<i>I. Budić, D. Novoselović</i>	The Influence of Technological Parameters on Occurrence of Residual Stresses in Iron Castings / Utjecaj tehnoloških parametra na pojavu zaostalnih naprezanja u željeznim odljvcima	44	(2005)	4	285-289
1140.	<i>M. Hagarová</i>	Study of Corrosion Properties of TiN Coatings in a Sulphate Environment / Studija korozivnih svojstava zaštitnih TiN-prevlaka u sulfatnoj sredini	44	(2005)	4	291-294
1141.	<i>D. Čurčija, I. Mamuzić</i>	Optimising of Lubrication Layer on the Transversal Strip Roughness / Optimiziranje sloja maziva na poprečnu hrapavost trake	44	(2005)	4	295-300
1142.	<i>I. Mamuzić</i>	Mechanical Properties of Blasted Steel Sheet / Mehanička svojstva pjeskarenog čeličnog lima	44	(2005)	4	301-304
1143.	<i>B. Arh, F. Tehovnik, H. Ploštajner</i>	Einfluss des elektromagnetischen rührens auf das makro und mikrogefüge von im strangguss hergestellten knüppel / Utjecaj elektromagnetskog miješanja na makro i mikrostrukturu kontinuirano lijevanih gredica	44	(2005)	4	305-310
1144.	<i>W. Waszkielewicz, A. Jończyk, D. Polak, A. Górniak</i>	Analysis of material and information flows in the logistic system of a selected steelworks / Analiza materijala i protoka informacija u logističkom sustavu neke odabrane čeličane	44	(2005)	4	311-314
1145.	<i>W. Waszkielewicz, E. Staniewska, C. Kolmasiak</i>	The Logistic Aspects of Supply Management in a Metallurgical Enterprise / Oblici upravljanja snabdijevanja robom u metalurškim poduzećima	44	(2005)	4	315-320
1146.	<i>D. K. Borikar, S. S. Umare, S. G. Viswanath</i>	Electrowinning of Nickel from Ammonical Sulphate Bath and Effect of Acetone on Morphology of Nickel Deposit and its Correlation with Kinetic Parameters / Elektrolitička proizvodnja nikla iz amonijačno sulfatne kupke i utjecaj acetona na morfologiju taloga nikla i njihov odnos s kinetičkim čimbenicima	45	(2006)	1	3-8
1147.	<i>M. Achimovičová, P. Baláž, J. Briančin</i>	The Influence of Mechanical Activation of Chalcopyrite on the Selective Leaching of Copper by Sulphuric Acid / Utjecaj mehaničke aktivacije halkopirita na selektivno izluživanje bakra sumpornom kiselinom	45	(2006)	1	9-12
1148.	<i>S. Bockus, A. Dobrovolskis</i>	Effect of Melting Techniques on Ductile Iron castings Properties / Utjecaj postupaka taljenja na svojstva odljevaka od nodularnog lijeva	45	(2006)	1	13-16

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1149.	<i>A. Ševčík, J. Macurák, J. Ševčíková</i>	High Temperature Mechanical Properties of the As-Cast Low Carbon Steels and Their Prediction / Mehanička svojstva na visokoj temperaturi lijevanih niskougličnih čelika i predmnijevanje tih svojstva	45	(2006)	1	17-20
1150.	<i>G. Kugler, R. Turk, T. Večko-Pirtovšek, M. Terčelj</i>	Wear Behaviour of Nitrided Microstructures of AISI H13 Dies for Hot Extrusion of Aluminium / Obradne karakteristike alata AISI H13 s nitriranom mikrostrukturom pri toploj ekstruziji	45	(2006)	1	21-29
1151.	<i>M. Leško, M. Búgel, A. Pietriková, T. Bakalár</i>	Serpentine Waste Milling / Mljevenje otpadnog serpentinita	45	(2006)	1	31-35
1152.	<i>M. Łucarz</i>	The Condition of Silica Sand Grains Surface Subjected to Reclamation Treatment / Stanje površine zrna silicijskog pijeska izloženog postupku obnavljanja	45	(2006)	1	37-40
1153.	<i>A. W. Bydątek</i>	The Influence of Nitride on the Melting Cu-Al Alloys Conductions / Utjecaj nitrida na provođenje taljenja slitina Cu-Al	45	(2006)	1	41-44
1154.	<i>E. Spišák, J. Šlota, T. Kvačkaj, A. Bobenič</i>	The Influence of Tandem Mill Reduction on Double Reduced (DR) Tinplates Anisotropy / Utjecaj redukcije u tandem stanu na anizotropiju bijelog lima pri dvostrukoj redukciji	45	(2006)	1	45-49
1155.	<i>T. Kvačkaj, I. Mamuzić</i>	Development of Bake Hardening Effect by Plastic Deformation and Annealing Conditions / Razvoj pećnog otvrdnjavanja plasičnom deformacijom i žarenjem	45	(2006)	1	51-55
1156.	<i>M. Buršák, I. Mamuzić</i>	The Influence of the Loading Rate on the Mechanical Properties of Drawing Steel Sheet / Utjecaj brzine opterećivanja na mehanička svojstva vučenog čeličnog lima	45	(2006)	1	57-60
1157.	<i>D. Čubela</i>	The Research of Technological Parameters Influence on the Process of Nitinol fabrication and Plastic Deformation / Istraživanje utjecaja tehnoloških parametara na proces izrade i plastične deformacije nitinola	45	(2006)	1	61-66
1158.	<i>E. Weiss, S. Majkuthová</i>	Discounted Cash Flow (DCF) Assessment Method and its Use in Assessment of a Producer Company / Metoda procjenjivanja na osnovi diskontiranog protoka gotovog novca i upraba te metode u procjenjivanju proizvodne tvrtke	45	(2006)	1	67-70
1159.	<i>J. Črnko</i>	Suradnja Metalurškog fakulteta Sveučilišta u Zagrebu i Metalurškog fakulteta Tehničkog Univerziteta u Košicama (1980. – 2005.) / Collaboration of Metallurgical Faculty of the University of Zagreb and Metallurgical Faculty of the Technical University of Košice (1980-2005)	45	(2006)	1	71-74
1160.	<i>J. Krajcar</i>	Prikaz knjige dr. sc. Mirka Gojića: "Metalurgija čelika" / Review of the Book "Metallurgy of Steel" of D. Sc. Mirko Gojic	45	(2006)	1	75-76
1161.	<i>R. Rudolf, L. Kosec, A. Križman, I. Anžel</i>	Microstructure Analysis of Internally Oxidized Cu-C Composite / Mikrostrukturna analiza unutarnje oksidiranog Cu-C kompozita	45	(2006)	2	79-84
1162.	<i>J. Zrník, I. Mamuzić, P. Lukaš, O. Muransky, P. Jenčuš, Z. Novy</i>	Design of Thermo Mechanical Processing and Transformation Behaviour of Bulk Si-Mn Trip Steel / Termomehanička obrada i ponašanje pri transformaciji Si-Mn TRIP čelika	45	(2006)	2	85-91
1163.	<i>L. Dorčák, J. Terpák</i>	Monitoring and Prediction of the Liquid Steel Temperature in the Ladle and Tundish / Provjera i utvrđivanje temperature tekućeg čelika u loncu i razdjelniku	45	(2006)	2	93-96
1164.	<i>K. Kostúr, J. Futó</i>	The Prediction of Metal Slopping in LD Converter on Base an Acoustic Signal / Utvrđivanje izboja materijala u LD konvertorima na temelju zvučnog signala	45	(2006)	2	97-101
1165.	<i>V. Grozdanić</i>	Three-Dimensional Mathematical Model of the Solidification of Large Steel Ingots / Trodimenzijski matematički model skrućivanja velikih čeličnih ingota	45	(2006)	2	103-107

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1166.	<i>M. Gavas</i>	Increasing the Deep Drawability of Al-1050 Aluminum Sheet using Multi-Point Blank Holder / Povećanje sposobnosti dubokog izvlačenja Al-1050 aluminjskog lima primjenom višetočkastog pritiskivača	45	(2006)	2	109-113
1167.	<i>V. V. Chygyrns'ky, I. Mamuzić, F. Vodopivec, I. V. Gordienko</i>	The Influence of the Temperature Factor on Deformability of the Plastic Medium / Utjecaj temperaturnog čimbenika na deformabilnost plastičnog sredstva	45	(2006)	2	115-118
1168.	<i>F. Trebuña, F. Šimčák, M. Buršák, J. Bocko</i>	Increasing of Reliability of Converter / Povećanje pouzdanosti konvertora	45	(2006)	2	119-125
1169.	<i>V. Janotka, J. Viskup, B. Pandula, I. Lesso</i>	Soil Profiles and Seismic Loading / Profili tla i seizmičko opterećenje	45	(2006)	2	127-130
1170.	<i>J. Kijac</i>	Study of the Metallurgical Aspects of Steel Micro-Alloying by Titan / Studij mikrolegiranja čelika s metalurškog stajališta	45	(2006)	2	131-136
1171.	<i>E. Štroffek, P. Peterka, J. Krešák, S. Kropuch</i>	Diagnostics of Pipelines System / Dijagnostika sustava cjevovoda	45	(2006)	2	137-139
1172.	<i>J. Dvořáček, V. Vodzinský, L. Domaracká</i>	Industrial Wastes and Economics of their Utilization / Industrijski otpad i ekonomija njegovog iskorištavanja	45	(2006)	2	141-143
1173.	<i>I. Mamuzić</i>	Popis recenzenata članaka objavljenih u časopisu Metalurgija u 2004. godini / List of Reviewers of the Articles Published in Journal Metallurgy in the Year 2004	45	(2006)	2	92
1174.	<i>I. Mamuzić</i>	Popis recenzenata članaka objavljenih u časopisu Metalurgija u 2005. godini / List of Reviewers of the Articles Published in Journal Metallurgy in the Year 2005	45	(2006)	2	102
1175.	<i>F. Vodopivec, M. Jenko, J. Vojvodić – Tuma</i>	Stability of MC Carbide Particles Size in Creep Resisting Steels / Stabilnost MC karbidnih čestica u čelicima otpornim na puzanje	45	(2006)	3	147-153
1176.	<i>O. Golovko, I. Mamuzić, O. Grydin</i>	Method for Pocket Die Design on the Basis of Numerical Investigations of Aluminium Extrusion Process / Metoda programiranja džepne matrice na osnovi numeričkih istraživanja procesa istiskivanja aluminijskih legura	45	(2006)	3	155-161
1177.	<i>L. Mihok, P. Demeter, D. Baricová, K. Seilerová</i>	Utilization of Ironmaking and Steelmaking Slags / Korištenje visokopećnih i čeličanskih troski	45	(2006)	3	163-168
1178.	<i>W. Lehnert, R. Kawalla, D. Hübgen</i>	Herstellung von Hochwertigen Bändern und Blechen aus Aluminiumwerkstoffen / Proizvodnja visokokvalitetnih traka i limova iz aluminijskih legura	45	(2006)	3	169-178
1179.	<i>Ya. V. Frolov, I. Mamuzić, V. N. Danchenko</i>	The Heat Conditions of the Cold Pilger Rolling / Toplinski uvjeti hladnog pilger valjanja	45	(2006)	3	179-184
1180.	<i>I. Mamuzić</i>	7th International Symposium of Croatian Metallurgical Society, Materials and Metallurgy / Sedmi međunarodni simpozij Hrvatskog metalurškog društva, Materijali i metalurgija	45	(2006)	3	185-188
1181.	<i>I. Mamuzić</i>	Plenary Lectures – Summaries of Lectures	45	(2006)	3	189-190
1182.	<i>F. Vodopivec</i>	Review of Lectures of Materials – Section “A”	45	(2006)	3	191-194
1183.	<i>F. Vodopivec</i>	Materials – Section “A” – Summaries of Lectures	45	(2006)	3	195-219
1184.	<i>L. Mihok</i>	Review of Lectures of Process Metallurgy – Section “B”	45	(2006)	3	221-224
1185.	<i>L. Mihok</i>	Process Metallurgy – Section “B” – Summaries of Lectures	45	(2006)	3	225-238
1186.	<i>P. Fajfar</i>	Review of Lectures of Plastic Processing – Section “C”	45	(2006)	3	239-241
1187.	<i>P. Fajfar</i>	Plastic Processing – Section “C” – Summaries of Lectures	45	(2006)	3	243-252
1188.	<i>P. Fajfar</i>	Review of Lectures of Metallurgy and Related Topics – Section “D”	45	(2006)	3	253-255
1189.	<i>P. Fajfar</i>	Metallurgy and Related Topics – Section “D” – Summaries of Lectures	45	(2006)	3	257-268
1190.	<i>I. Mamuzić</i>	Survey of 7th International Symposium of Croatian Metallurgical Society / Pregled Sedmog međunarodnog Simpozija Hrvatskog metalurškog društva	45	(2006)	4	271-275

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1191.	<i>I. Mamuzić</i>	Minutes of the Meeting of the Editorial Board of Journal Metalurgija / Zapisnik sa sastanka Uredničkog odbora časopisa Metalurgija	45	(2006)	4	277-278
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1193.	<i>M. Bizjak, L. Kosec, B. Kosec, I. Anžel</i>	The Characterization of Phase Transformations in Rapidly Solidified Al-Fe and Cu-Fe Alloys through Measurements of the Electrical Resistance and DSC / Karakterizacija faznih transformacija brzo skrutnutih Al-Fe i Cu-Fe slitina pomoću mjerenja električne otpornosti i diferencijalno skenirajuće kalorimetrije	45	(2006)	4	281-286
1194.	<i>S. Bockus</i>	A Study of the Microstructure and Mechanical Properties of Continuously Cast Iron Products / Studij mikrostrukture i mehaničkih svojstava kontinuirano lijevanih željeznih proizvoda	45	(2006)	4	287-290
1195.	<i>K. Jelšovská, B. Pandula</i>	Nuclear Magnetic Resonance Spectral Function and Moments for Proton Pairs in Powdered Paramagnetic Substances $MnSO_4 \cdot H_2O$ and $NiSO_4 \cdot H_2O$ / Funkcija spektra magnetne rezonancije jezgre i momenata za parove u praškastim paramagnetnim tvarima $MnSO_4 \cdot H_2O$ i $NiSO_4 \cdot H_2O$	45	(2006)	4	291-297
1196.	<i>D. Kudelas, R. Rybár, G. Fischer</i>	Concept of Accumulation System Configuration Enabling the Usage of Low-Potential Wind Energy / Koncept konfiguracije akumulacijskog sustava koji omogućava uporabu nisko potencijalne energije vjetrova	45	(2006)	4	299-302
1197.	<i>K. Kostúr</i>	Regulation of the Heating Furnace in Tube Rolling Mill / Regulacija zagrijevne peći u valjaonici cijevi	45	(2006)	4	303-306
1198.	<i>M. Jurković, Z. Jurković, M. Mahmić</i>	An Analysis and Modelling of Spinning Process without Wall-Thickness Reduction / Analiza i modeliranje procesa rotacijskog tiskanja bez stanjenja debljine stjenke	45	(2006)	4	307-312
1199.	<i>S. V. Dobatkin, J. Zrník, I. Mamuzić</i>	Nanostructures by Severe Plastic Deformation of Steels: Advantages and Problems / Nanostrukture dobivene intenzivnom plastičnom deformacijom: postignuća i poteškoće	45	(2006)	4	313-321
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1201.	<i>J. Daňko, M. Holtzer</i>	The State of Art and Foresight of World's Casting Production / Stanje i predmnijevanje svjetske proizvodnje odljevaka	45	(2006)	4	333-340
1202.	<i>Z. Keran, M. Skunca, M. Math</i>	Finite Element Approach to Analysis of Axisymmetric Reverse Drawing Process / Pristup metodom konačnih elemenata analizi procesa osnosimetričnog protusmjernog dubokog vučenja	45	(2006)	4	341-346
1203.	<i>P. Virdzek, K. Teplická</i>	Progressive Methods in Design and their Application in Engineering Industry / Napredne metode u dizajnu i njihova primjena u strojarstvu	45	(2006)	4	347-351
1204.	<i>I. Mamuzić</i>	Popis recenzenata članaka objavljenih u časopisu Metalurgija u 2006. godini / List of Reviewers of the Articles Published in Journal Metallurgy in the Year 2006	45	(2006)	4	352
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1207.	<i>M. Džupon, L. Parilák, M. Kollárová, I. Sinaiová</i>	Dual Phase Ferrite-Martensitic Steel Micro-Alloyed with V-Nb / Dvofazni feritno-martenzitni čelik mikrolegiran s V-Nb	46	(2007)	1	15-20
1208.	<i>J. Zrník, I. Mamuzić, S. V. Dobatkin, Z. Stejskal, L. Kraus</i>	Low Carbon Steel Processed by Equal Channel Angular Warm Pressing / Toplo kutno kanalno prešanje niskougljičnog čelika	46	(2007)	1	21-27

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1209.	Z. Zovko Brodarac, P. Mrvar, J. Medved, P. Fajfar	Local Squeezing Casting Influence on the Compactness of AlSi ₁₀ Mg Alloy Castings / Utjecaj postupka lokalnog tiskanja na kompaktnost odljevka od AlSi ₁₀ Mg legure	46	(2007)	1	29-35
1210.	M. Buršák, I. Mamuzić, J. Michel	New Approach to Evaluation of Formability of Higher-Strength Steel Strips / Novi pristup prosudbi oblikovanja čeličnih traka povišenih čvrstoća	46	(2007)	1	37-40
1211.	F. Trebuňa, F. Šimčák, M. Buršák, J. Bocko, P. Šarga, M. Pástor, P. Trebuňa	Quantification of Residual Stresses in Hot Rolled Steel Sheets by the Hole Drilling Method / Utvrdba zaostalih naprezanja u čeličnim toplu valjanim trakama metodom bušenja	46	(2007)	1	41-16
1212.	B. Bajcer, M. Hrženjak, K. Pompe, B. Jež	Improvement of Energy and Materials Efficiencies by Introducing Multiple-Wire Welding / Povećanje iskorištavanja energije i materijala uvođenjem zavarivanja s više-žica	46	(2007)	1	47-52
1213.	V. Roubíček, P. Pustějovská, J. Bilík, I. Janík	Decreasing CO ₂ Emissions in Metallurgy / Smanjenje emisije CO ₂ u metalurgiji	46	(2007)	1	53-59
1214.	R. Lenort, A. Samolejová	Analysis and Identification of Floating Capacity Bottlenecks in Metallurgical Production / Analiza i prepoznavanje promjenljivih kapacitnih uskih mjesta u metalurškoj proizvodnji	46	(2007)	1	61-66
1215.	J. Tušek, B. Taljat, D. Klobčar	How to Extend the Life of Die-Casting Tools / Kako produžiti vijek trajanja alatu za tlačno lijevanje	46	(2007)	1	67-71
1216.	D. Krumes	Prikaz knjige dr.sc. Ivana Viteza: "Ispitivanje mehaničkih svojstava metalnih materijala" / Review of the Book "Testing Mechanical Properties of Metallic Materials" of PhD Ivan Vitez	46	(2007)	1	72
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1218.	V. Krivenyuk, I. Mamuzić	Correlation of Creep-Rupture Data for Complex Alloys at Elevated Temperatures / Korelacija karakteristika puzanja složenih legura	46	(2007)	2	79-85
1219.	M. Zrilić, M. Rakin, Lj. Milović, Z. Burzić, V. Grabulov	Experimental and Numerical Evaluation of a Steamline Behaviour Using Local Approach / Eksperimentalna i numerička ocjena ponašanja parovoda prijenom lokalnog pristupa	46	(2007)	2	87-92
1220.	N. I. Gryechanyuk, I. Mamuzić, V. V. Bukhanovsky	Production Technology, Physical, Mechanical and Performance Characteristics of Cu-Zr-Y-Mo Finely-Dispersed Microlayer Composite Materials / Tehnologija proizvodnje, fizikalna, mehanička i karakteristike malo disperznih mikroslojeva kompozitnih materijala sustava Cu-Zr-Y-Mo	46	(2007)	2	93-96
1221.	I. Kladarić, D. Krumes, I. Vitez	The Influence of Retained Austenite on Precipitation Hardening of Maraging Steel / Utjecaj zaostalog austenita na precipitacijsko čvršćavanje maraging čelika	46	(2007)	2	97-99
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1223.	M. Mihalikova, J. Janek	Influence of the Loading and Strain Rates on the Strength Properties and Formability of Higher-Strength Sheet / Utjecaj brzine zatezanja i deformacije na vrijednost čvrstoće i deformabilnost visoko čvrstih traka	46	(2007)	2	107-110
1224.	J. Tušek, B. Bajcer, B. Taljat, M. Hrženjak	Analysis of Lack of Fusion in Welds at Water Heaters / Analiza nepotpunog stajljanja u zavarenim spojevima na grijačima vode	46	(2007)	2	111-116
1225.	T. Sasvári, J. Kondela	Demonstration of Alpine Structural Phenomena at the Structure of Magnesite Deposit Jelšava – Dúbrava Massif / Prikaz fenomena alpskih struktura u strukturi magnezitnog ležišta Jelšava u masivu Dúbrava	46	(2007)	2	117-122
1226.	I. Vitez, M. Oruč, D. Krumes, I. Kladarić	Damage to Railway Rails Caused by Exploitation / Oštećenja željezničkih tračnica tijekom eksploatacije	46	(2007)	2	123-128

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1227.	<i>R. Prusak, W. Waszkielewicz, A. Kulawik</i>	Modification and Improvement of Human Resource Management System in Metallurgical Enterprise / Modificiranje i poboljšanje sustava za upravljanje ljudskim resursima u metalurškom poduzeću	46	(2007)	2	129-133
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1237.	<i>J. Vojvodič Tuma, R. Celin</i>	Erection of a Stainless-Steel Tank for Storing a Phosphoric Acid / Izgradnja rezervoara iz nehrđajućeg čelika za skladištenje fosforne kiseline	46	(2007)	3	173-178
1238.	<i>M. Ikončić, B. Barišić, D. Blažević</i>	Identification and Quantification of Raw Materials During Designing of Cast Producing Process / Identifikacija i kvantifikacija materijala izrade tijekom projektiranja proizvodnje odljevaka	46	(2007)	3	179-184
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1243.	<i>N. Devčić, I. Mamuzić</i>	Putokazi modernizacije pilger postrojenja / Trend of Modernization of Pilger Equipment	46	(2007)	3	205-209

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1244.	<i>J. Tušek, M. Šraj</i>	Oxy-Hydrogen Flame for Cutting of Steels / Kisik-vodikov-plamen za rezanje čelika	46	(2007)	3	211-215
1245.	<i>A. Kulawik, S. Wludyka, R. Prusak</i>	Correlation Between the Efficiency of Machinery and Equipment and the Productivity of Workers and its Effect on the Performance of a Metallurgical Undertaking / Korelacija između učinkovitosti strojeva i opreme i proizvodnosti radnika i učinak na efikasnost metalurškog poduzeća	46	(2007)	3	217-220
1246.	<i>Z. Skuza, R. Prusak, C. Kolmasiak</i>	Restructuring of the Metallurgical Industry in the Aspect of Economics – System Changes and Integration with the European Union / Restrukturiranje metalurške industrije u aspektu ekonomije – promjene sistema i integriranje u Europsku Uniju	46	(2007)	3	221-224
1247.	<i>M. Warzecha, J. Jowza, T. Merder</i>	Gas Mixing and Chemical Homogenization of Steel in 100 t Ladle Furnace / Mješanje i kemijska homogenizacija taline čelika u 100-tonskom livnom loncu	46	(2007)	4	227-232
1248.	<i>V. V. Buchanovsky, I. Mamuzić, E. P. Polishuk</i>	The Effect of Heat Treatment on Mechanical Characteristics and Nature of Failure of Sheet Molybdenum Alloys / Učinak toplinske obradbe na mehanička svojstva i karakter loma traka molibdenskih legura	46	(2007)	4	233-236
1249.	<i>T. Vuherer, A. Godina, Z. Burzić, V. Gliha</i>	Fatigue Crack Initiation from Microstructurally Small Vickers Indentations / Nastanak zamorne pukotine iz mikrostrukturno malih vickersovih otisaka	46	(2007)	4	237-243
1250.	<i>T. Merder, A. Boguslawski, M. Warzecha</i>	Modelling of Flow Behaviour in a Six-Strand Continuous Casting Tundish / Modeliranje ponašanja tijekom taline u razdjelnom loncu šest-žilnog konti-lijeva	46	(2007)	4	245-249
1251.	<i>G. Stepanov, I. Mamuzić, A. Babutsky</i>	An Increase of Impact Toughness of Low-Carbon Steel Caused by Impulse Electric Current Treatment / Povećanje otpornosti na udar nisko-ugličnog čelika uzrokovan obradom pulsnom strujom	46	(2007)	4	251-253
1252.	<i>Z. Wencel, R. Budzik, R. Križanić, C. Kolmasiak</i>	The Synergy of the Surface Layer after Carburizing of Tool Steel as a Measure of Operational Quality / Sinergija površinskog sloja alatnog čelika poslije naugličjenja kao pokazatelj uporabne kakvoće	46	(2007)	4	255-260
1253.	<i>Z. Pędzich, K. Gawdzińska, E. Pamula</i>	Flaws Description in AlSi11 Alloy-Based Composite Fibres Reinforced Casts / Opis nedostataka u odljevcima ojačanim kompozitnim vlaknima na bazi legure AlSi11	46	(2007)	4	261-265
1254.	<i>I. Mamuzić, F. Trebuña, M. Buršák, J. Tomčík</i>	Investigation of Reasons and Possibility of Parameters Elimination Influencing Cracking of Leaf Springs on Continuous Casting Machine / Istraživanje razloga i mogućnosti eliminacije parametara koji utječu na pucanje lisnatih opruga na stroju za kontinuirano lijevanje	46	(2007)	4	267-271
1255.	<i>V. Jovišević, M. Soković, B. Kosec</i>	Introduction of Explosive Cladding Technology for the Manufacturing of Hydraulic Cylinders / Uvođenje tehnologije eksplozijskog platiranja u postupku izrade hidrauličkih cilindara	46	(2007)	4	273-276
1256.	<i>M. Buršák, I. Mamuzić</i>	Fatigue Properties of Galvanized Higher-Strength Steel Sheets / Svojstva zamora materijala galvaniziranih ojačanih čeličnih traka	46	(2007)	4	277-280
1257.	<i>A. M. Galkin, A. Rząsowska – Przala, A. Górniak</i>	A New Method of Manufacturing Small-Diameter Bars and Tubes from Hardly Deformable Steels in Skew Rolling / Nova metoda proizvodnje šipki malog promjera i cijevi od teško oblikovljivog čelika kod kosog valjanja	46	(2007)	4	281-284
1258.	<i>M. Holtzer, J. Daňko, R. Daňko</i>	Possibilities of Formation of Dioxins and Furans in Metallurgical Processes as well as Methods of their Reduction / Mogućnost formiranja deoksina i furana u metalurškim procesima kao i metode njihova smanjivanja	46	(2007)	4	285-290
1259.	<i>J. Črnko, P. Jelić, L. Lazić, M. Kundak</i>	Operation Indicators of the Rotating-Hearth Furnace in Restrictive Manufacturing Conditions / Pokazatelji rada kružne peći u restriktivnim uvjetima proizvodnje	46	(2007)	4	291-293

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1260.	<i>J. Holisz-Burzyńska, E. Staniewska, R. Budzik</i>	The Physical Flow of Materials and the Associated Costs in the Production Process of a Rolling Mill / Fizički tijek materijala i pridruženi troškovi u procesu proizvodnje u valjaonici	46	(2007)	4	295-299
1261.	<i>R. Budzik, A. Pirikow</i>	Sintering of Ore Mixes Containing Iron Concentrates of a Low SiO ₂ Concentration of Below 1,0 % / Sinteriranje mješavina rude koje sadrže koncentrate željeza s niskom koncentracijom SiO ₂ ispod 1,0 %	46	(2007)	4	301-303
1262.	<i>I. Mamuzić</i>	Materials and metallurgy, 8th International Symposium, 2008 / Materijali i metalurgija, 8. međunarodni simpozij, 2008.	47	(2008)	1	3-8
1263.	<i>M. Godec, B. Šuštaršič, M. Jenko</i>	A high-magnification EBSD mapping analysis of Fe–Si–B powder particles / Fe-Si-B čestice praha studirane EBSD analizom područja kod velikog uvećanja	47	(2008)	1	9-12
1264.	<i>J. Slota, E. Spišák</i>	Determination of flow stress by the hydraulic bulge test / Određivanje naprezanja tečenja hidrauličnim pokusom dubokog izvlačenja	47	(2008)	1	13-17
1265.	<i>M. Buršák, I. Mamuzić, J. Michel'</i>	Contribution to evaluation of mechanical properties during impact loading / Prilog procjeni mehaničkih svojstava pri ispitivanju udarom	47	(2008)	1	19-23
1266.	<i>S. Bockus, J. Vilyš, V. Ciuplys, A. Ciuplys</i>	Distribution of residual stresses in near-surface layer of carbon steel at monotonic tension loading / Raspored zaostalih naprezanja u podpovršinskim slojevima ugljičnog čelika pri ispitivanju na vlak	47	(2008)	1	25-28
1267.	<i>D. Hršak, G. Sučik, L. Lazić</i>	The thermophysical properties of serpentinite / Termofizička svojstva serpentinita	47	(2008)	1	29-31
1268.	<i>J. Dvoráček, R. Sousedíková, L. Domaracká</i>	Industrial enterprises bankruptcy forecasting / Predviđanje bankrota industrijskih poduzeća	47	(2008)	1	33-36
1269.	<i>V. Stoyka, F. Kovač, Y. Sidor</i>	Effect of second phase particles topology on the onset temperature of abnormal grain growth in Fe – 3%Si steels / Učinak druge faze topologije čestica pri početnoj temperaturi abnormalnog rasta zrna kod Fe – 3%Si čelika	47	(2008)	1	37-41
1270.	<i>M. Łucarz</i>	The effect of mechanical reclamation on the wear of silica sand grains / Utjecaj mehaničke regeneracije na trošenje zrna kvarcnog pijeska	47	(2008)	1	43-45
1271.	<i>D. Blažević, M. Ikončić, T. Mikac</i>	Algorithm for prevention of molten steel sticking onto mold in continous casting process / Algoritam za prevenciju ljepljenja čelika za stijenke kokile u procesu kontinuiranog lijevanja	47	(2008)	1	47-50
1272.	<i>B. Kosec</i>	Failures of dies for die-casting of aluminium alloys / Oštećenje kalupa za lijevanje aluminijevskih legura	47	(2008)	1	51-55
1273.	<i>N. P. Rudnitsky, I. Mamuzić</i>	Strength of anisotropic nickel-mesh composite materials / Čvrstoća anizotropnih kompozitnih materijala na temelju nikljevih mreža	47	(2008)	1	57-59
1274.	<i>B. Gajdzik</i>	Social and ethical challenges for metallurgical companies / Društveni i moralni izazovi za metalurška poduzeća	47	(2008)	1	61-63
1275.	<i>Š. Molokáč, L. Grega, P. Rybár</i>	MRI device – alternative for electrical energy storage / Uređaj MRI – alternativa za skladištenje električne energije	47	(2008)	1	65-68
1276.	<i>R. Celin, D. Kmetič</i>	Cracks in a roller-bearing / Pukotine na valjkastom ležaju	47	(2008)	1	69-72
1277.	<i>I. Mamuzić</i>	Popis recenzenata članaka objavljenih u časopisu Metalurgija u 2007. godini / List of Reviewers of the Articles Published in Journal Metallurgy in 2007	47	(2008)	1	64
1278.	<i>F. Tehovnik, B. Arzenšek, B. Arh</i>	Tensile tests on stainless steels in temperature range 800 to 1200 °C / Vlačna ispitivanja nehrđajućih čelika u temperaturnom intervalu 800-1200 °C	47	(2008)	2	75-79
1279.	<i>M. Čudina, J. Prezelj, I. Polajner</i>	Use of audible sound for on-line monitoring of gas metal arc welding process / Čujni zvuk kao signal za izravnu kontrolu elektrolučnog procesa zavarivanja	47	(2008)	2	81-85

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1280.	<i>M. Dunder, S. Aračić, I. Samarđžić</i>	Impact energy analysis of HSLA specimens after simulated welding thermal cycle / Analize udarne radnje loma toplinski simuliranih uzoraka HSLA	47	(2008)	2	87-91
1281.	<i>K. Šimunović, M. Franz, G. Marić</i>	Investigation and estimation of residual stress in flame sprayed and fused NiCrBSi coatings / Istraživanje i procjena zaostalih naprežanja u plinski naštrecanim NiCrBSi slojevima	47	(2008)	2	93-97
1282.	<i>N. I. Gryechanyuk, I. Mamuzić, R. V. Minakova</i>	Peculiarities of the structure, its deformation and destruction of condensed Cu-Mo-Zr-Y composite material of commercial purity / Svojstvenost strukture, deformacije i razaranje sprešanog Cu-Mo-Zr-Y kompozitnog materijala	47	(2008)	2	99-102
1283.	<i>R. Lujić, T. Šarić, G. Šimunović</i>	Application of genetic algorithm to the technological operations scheduling problem / Primjena genetičkih algoritma kod problema raspoređivanja tehnoloških operacija	47	(2008)	2	103-107
1284.	<i>M. Sokić, I. Ilić, D. Živković, N. Vučković</i>	Investigation of mechanism and kinetics of chalcopyrite concentrate oxidation process / Istraživanje mehanizma i kinetika procesa oksidacije halkopiritnog koncentrata	47	(2008)	2	109-113
1285.	<i>I. Naglič, A. Smolej, M. Doberšek</i>	Remelting of aluminium with the addition of AlTi5B1 and AlTi3C0,15 grain refiners / Pretapanje aluminijuma sa dodatkom inokulanta AlTi5B1 i AlTi3C0,15	47	(2008)	2	115-118
1286.	<i>DJ. Mandrino, M. Godec, A. Kocijan, M. Lamut, M. Torkar, M. Jenko</i>	Oxide and nitride protective layers formed on stainless steel by thermal treatment: SEM, AES, WDS and corrosion measurements / SEM, AES, WDS i korozijsko testiranje oksidnih i nitridnih zaštitnih slojeva oblikovanih toplinskom obradom nerđajućeg čelika	47	(2008)	2	119-123
1287.	<i>V. Bačová, D. Jankura, D. Draganovská</i>	Influence of cyclic heat stress on the properties of plasma-sprayed ceramic coatings / Utjecaj cikličkog toplinskog naprežanja na svojstva plazmom prskanih keramičkih premaza	47	(2008)	2	125-128
1288.	<i>E. Kormaníková, I. Mamuzić</i>	Buckling analysis of a laminate plate / Analiza deformacije laminatne ploče	47	(2008)	2	129-132
1289.	<i>F. Trebuña, F. Šimčák, J. Bocko, P. Šarga, P. Trebunfa, M. Pástor, J. Mihok</i>	Quantification of residual stresses in the weld by the hole-drilling method / Vrednovanje zaostalih naprežanja u zavaru metodom bušenja otvora	47	(2008)	2	133-137
1290.	<i>J. Črnko, P. Jelić, M. Kundak, L. Lazić</i>	Technological indicators of operation of the rotating-hearth furnace in conditions of discontinued production / Tehnološki pokazatelji rada kružne peći u uvjetima diskontinuirane proizvodnje	47	(2008)	2	139-141
1291.	<i>B. Gajdzik</i>	Concentration on knowledge and change management at metallurgical company / Koncentracija znanja i promjena upravljanja u metalurškoj tvrtci	47	(2008)	2	142-144
1292.	<i>I. Mamuzić</i>	Pedesetpeti obljetnica utemeljenja Hrvatskog metalurškog društva (HMD) 1952. – 2007. / The Fiftyfifth Anniversary of the Foundation of Croatian Metallurgical Society (CMS) 1952 – 2007	47	(2008)	3	147-171
1293.	<i>F. Vodopivec, B. Arzenšek, J. Vojvodić Tuma, R. Celin</i>	The Charpy fracturing process in ductile range / Proces Charpy prijeloma u duktilnom području	47	(2008)	3	173-179
1294.	<i>S. Dobatkin, J. Zrník, I. Mamuzić</i>	Ultrafine-grained low carbon steels by severe plastic deformation / Ultrafino zrnati niskougljični čelici dobiveni intenzivnom plastičnom deformacijom	47	(2008)	3	181-186
1295.	<i>T. Kvačakaj, M. Molnárová, I. Mamuzić, J. Bacsó, R. Mišičko, M. Fujda, P. Škodronová, T. Kuskulić, I. Pokorný</i>	Influence of reheating and cooling conditions on structure and mechanical properties of C-Mn-Si steel / Utjecaj uvjeta zagrijavanja i hlađenja na strukturu i mehanička svojstva C-Mn-Si čelika	47	(2008)	3	187-190

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1296.	<i>F. Chowaniec</i>	Quality improvement of continuously cast round billets / Poboljšanje kakvoće kontinuirano lijevanih okruglica	47	(2008)	3	191-193
1297.	<i>R. Kawalla, M. Oswald, C. Schmidt, M. Ullmann, H.-P. Vogt, N. D. Coung</i>	New technology for the production of magnesium strips and sheets / Nova tehnologija proizvodnje magnezijevih traka i limova	47	(2008)	3	195-198
1298.	<i>K. Gawdzińska, J. Grabian, W. Przetakiewicz</i>	Use of X-ray radiography in finding defects in metal- matrix composite casts / Rabjenje radiografije X-zrakama u pronalaženju grešaka lijevanih kompozita metalne matrice	47	(2008)	3	199-201
1299.	<i>M. Mihalikova, Š. Gazdag</i>	Application of the video-extensometry for the comparison of the plastic deformation welded sheets / Primjena video-ektezometrije za usporedbe plastične deformacije zavarenih traka	47	(2008)	3	203-205
1300.	<i>E. Tillová, M. Panušková</i>	Effect of solution treatment on intermetallic phases morphology in AlSi9Cu3 cast alloy / Učinak postupka topline obrade na morfologiju intermetalne faze ljevačke legure AlSi9Cu3	47	(2008)	3	207-210
1301.	<i>J. Zrník, S. V. Dobatkin, I. Mamuzić</i>	Processing of metals by severe plastic deformation (SPD) – structure and mechanical properties respond / Obrada metala intenzivnom plastičnom deformacijom (IPD) – odgovarajuća struktura i mehanička svojstva	47	(2008)	3	211-216
1302.	<i>J. Raab, J. Mannheim</i>	Position and the development of the global steel industry / Položaj i razvitak svjetske čelične industrije	47	(2008)	3	217-221
1303.	<i>I. Mamuzić</i>	8th International Symposium of Croatian Metallurgical Society / 8. Međunarodni simpozij Hrvatskog metalurškog društva	47	(2008)	3	223-226
1304.	<i>I. Mamuzić</i>	Plenary Lectures Summaries of Lectures / Sažeci predavanja	47	(2008)	3	227
1305.	<i>I. Mamuzić</i>	Materials – Section “A” Summaries of Lectures / Sažeci predavanja sekcija “A”	47	(2008)	3	229-254
1306.	<i>I. Mamuzić</i>	Process Metallurgy – Section “B” Summaries of Lectures / Sažeci predavanja sekcija “B”	47	(2008)	3	255-266
1307.	<i>I. Mamuzić</i>	Plastic Processing – Section “C” Summaries of Lectures / Sažeci predavanja sekcija “C”	47	(2008)	3	267-273
1308.	<i>I. Mamuzić</i>	Metallurgy and Related Topics – Section “D” Summaries of Lectures / Sažeci predavanja sekcija “D”	47	(2008)	3	275-284
1309.	<i>F. Vodopivec, J. Zrník</i>	Survey of 8th International Symposium of Croatian Metallurgical Society (CMS)	47	(2008)	4	287-290
1310.	<i>I. Mamuzić</i>	Urednički odbor časopisa Metalurgija Zapisnik sa sastanka Uredničkog odbora 23. lipnja 2008. / Editorial board of journal Metalurgija Minutes of the meeting of the Editorial Board 23 June 2008	47	(2008)	4	291-294
1311.	<i>M. Besterči, T. Kvačkaj, R. Kočiško, J. Bacsó, K. Sulleiová</i>	Formation of ultrafine-grained (UFG) structure and mechanical properties by severe plastic deformation (SPD) / Stvaranje ultrafino zrnate (UFZ) strukture i mehanička svojstva sa intenzivnom plastičnom deformacijom (IPD)	47	(2008)	4	295-299
1312.	<i>R. Turk, I. Peruš, M. Kovačić, G. Kugler, M. Terčelj</i>	Genetic programming and cae neural networks approach for prediction of the bending capability of ZnTiCu sheets / Primjena genetskog programiranja u CAE neuronskih mreža za prognozu izdržljivosti kod savijanja ZnTiCu traka	47	(2008)	4	301-305
1313.	<i>T. Večko Pirtovšek, I. Peruš, G. Kugler, R. Turk, M. Terčelj</i>	Hot forming of AISI A2 tool steel / Vruća prerada AISI A2 alatnog čelika	47	(2008)	4	307-311
1314.	<i>B. Barišić, Z. Car, M. Ikončić</i>	Analysis of differentmo deling approach at determining of backward extrusion force on AlCu5PbBi material / Analiza različitih pristupa modeliranja kod određivanja sile protusmjernog istiskivanja na AlCu5PbBi materijalu	47	(2008)	4	313-316
1315.	<i>R. Rudolf, T. Zupančič Hartner, L. Kosec, A. Todorović, B. Kosec, I. Anžel</i>	Mechanical properties and microstructure characterisation of Au-Pt dental alloy / Mehanička svojstva i mikrostrukturna karakterizacija Au- Pt dentalne slitine	47	(2008)	4	317-323
1316.	<i>M. Dunđer, Ž. Ivandić, I. Samardžić</i>	Selection of arc welding parameters of micro alloyed HSLA steel / Izbor parametara elektro-lučnog zavarivanja mikrolegiranog HSLA čelika	47	(2008)	4	325-330

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1317.	<i>D. Bajić, B. Lela, D. Živković</i>	Modeling of machined surface roughness and optimization of cutting parameters in face milling / Modeliranje hrapavosti obradene površine i optimiranje parametara obrade pri čeonom glodanju	47	(2008)	4	331-334
1318.	<i>N. Fafandjel, A. Zamarin, T. Mikac</i>	Throughput for steel pipes manufacturing process design / Propusnost kod projektiranja procesa izrade čeličnih cijevi	47	(2008)	4	335-338
1319.	<i>Z. Jančiková, V. Roubíček, D. Juchelková</i>	Application of artificial intelligence methods for prediction of steel mechanical properties / Rabljenje metode umjetne inteligencije za predmnijevanje mehaničkih svojstava čelika	47	(2008)	4	339-342
1320.	<i>A. Patarić, Z. Gulišija, B. Jordović</i>	Microstructure and characterization of electromagnetic casting Al 2024 alloy ingots / Mikrostruktura i karakterizacija elektromagnetno lijevanih Al2024 legiranih ingota	47	(2008)	4	343-346
1321.	<i>J. Kijac, M. Borgon</i>	Desulphurization of steel and pig iron / Odsumporavanje čelika i sirovog željeza	47	(2008)	4	347-350
1322.	<i>V. Marušić, I. Vitez, B. Nedić</i>	Abrasive wear resistance of glass fiber reinforced polyester laminates / Abrazijska otpornost trošenju poliesterskih laminata ojačanih staklenim vlaknima	47	(2008)	4	351-355
1323.	<i>I. Mamuzić</i>	First Circular – Call for Papers 9th International Symposium of Croatian Metallurgical Society, SHMD '2010. / Prvo priopćenje – poziv za referate 9. međunarodni simpozij Hrvatskog metalurškog društva, SHMD '2010.	48	(2009)	1	3-8
1324.	<i>M. Vončina, J. Medved, P. Mrvar</i>	Energy of precipitation of Al ₂ Cu and α-AlFeSi phase from the AlCu ₃ alloy and the shape of precipitates / Energija precipitacije Al ₂ Cu i α-AlFeSi faze u AlCu ₃ leguri i oblici precipitata	48	(2009)	1	9-13
1325.	<i>J. Zrnik, I. Vitez, T. Kovarik, M. Cieslar</i>	Forming of ultrafine grained structure in aluminium by CGP method / Nastanak ultrafine zrnate strukture u aluminiju sa ograničenim utornim prešanjem (OUP)	48	(2009)	1	15-18
1326.	<i>S. Bockus, G. Zaldarys</i>	Influence of the section size and holding time on the graphite parameters of ductile iron production / Utjecaj debljine stjenke i vremena zadržavanja na grafitne parametre pri proizvodnji žilavog lijeva	48	(2009)	1	19-22
1327.	<i>J. Siwka, A. Hutny</i>	An universal formula for the calculation of nitrogen solubility in liquid nitrogen-alloyed steels / Univerzalni obrazac za izračun topljivosti dušika u tekućim dušikom legiranim čelicima	48	(2009)	1	23-27
1328.	<i>A. Gigović-Gekić, M. Oruč, I. Vitez, B. Vujičić</i>	Analyse and research of nonmetallic inclusions for steel 100Cr6 / Analiza i ispitivanje nemetalnih uključaka za čelik 100Cr6	48	(2009)	1	29-32
1329.	<i>J. Lis, A. Lis</i>	Phase transformations in low-carbon manganese steel 6Mn16 / Fazni preobražaji u nisko-ugličnom manganskom čeliku 6Mn16	48	(2009)	1	33-37
1330.	<i>T. Muhić, J. Tušek, M. Pleterski, D. Bombač</i>	Problems in repair-welding of duplex-treated tool steels / Problemi kod reparaturnog zavarivanja alatnog čelika sa duplex zaštitom	48	(2009)	1	39-42
1331.	<i>E. Weiss, G. Fedorko, P. Futáš, A. Pribulová, I. Vasková</i>	Dependence of quality properties for grey iron on used raw materials / Ovisnost svojstava kakvoće sivog lijeva od rabljenih sirovina	48	(2009)	1	43-45
1332.	<i>Z. Car, B. Barišić, M. Ikončić</i>	GA based CNC turning center exploitation process parameters optimization / Optimizacija eksploatacijskih parametara CNC obradnog centra zasnovana na genetskom algoritmu	48	(2009)	1	47-50
1333.	<i>S. Žic, I. Džambas, M. Ikončić</i>	Possibilities of implementing bimetallic hammer castings in crushing industries / Mogućnosti primjene bimetalnih ljevova u procesu usitnjavanja	48	(2009)	1	51-54
1334.	<i>Z. Hajduová, E. Weiss, L. Mixtaj</i>	Application of statistical methods at copper wire manufacturing / Rabljenje statističkih metoda pri proizvodnji bakrene žice	48	(2009)	1	55-58

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1335.	<i>E. Pop, N. Băncilă, V. Hotea, A. Pop, R. Pop</i>	The use of the geosynthetic materials for the antierosional protection of the metallurgical tailing dumps / Primjena geosintetskih materijala za antierozivnu zaštitu odlagališta metalurške jalovine	48	(2009)	1	59-62
1336.	<i>B. Gajdzik</i>	Environmental aspects, strategies and waste logistic system based on the example of metallurgical company / Aspekt okoliša, strategija i logistički sustav otpada utemeljen na primjeru metalurške tvrtke	48	(2009)	1	63-67
1337.	<i>I. Mamuzić</i>	Acknowledgement to reviewers / Zahvala recenzentima	49	(2009)	1	14
1338.	<i>J. Michalik, C. Kolmasiak</i>	Physical modeling of stresses during continuous casting of St3S steel / Fizikalno modeliranje naprezanja tijekom kontinuiranog lijevanja čelika St3S	48	(2009)	2	71-74
1339.	<i>G. Siwiec, J. Willner</i>	The mechanism of liquid copper deoxidation during argon blowing / Mehanizam dezoksidacije tekućeg bakra propuhivanjem argonom	48	(2009)	2	75-77
1340.	<i>D. Kozak, I. Samardžić, P. Konjatić</i>	Fracture mechanics parameters estimation of CCT specimens made of X 5 CrNi 18 10 steel / Izračun i procjena parametara mehanike loma CCT uzoraka načinjenih od čelika X 5 CrNi 18 10	48	(2009)	2	19-82
1341.	<i>T. Fraczek, M. Olejnik, A. Tokarz</i>	Evaluation of plasma nitriding efficiency of titanium alloys for medical applications / Procjena učinka nitriranja plazmom titanovih legura za primjenu u medicini	48	(2009)	2	83-86
1342.	<i>B. Oleksiak</i>	Possibilities of removing lead from industrial Cu-Pb-Fe alloy with of argon barbotage / Mogućnost uklanjanja olova iz industrijske Cu-Pb-Fe legure injektiranjem argonom	48	(2009)	2	87-90
1343.	<i>W. Derda, K. Mierzwa</i>	The thermal treatment of electric arc furnace dust under low gas phase pressure / Toplinska obradba elektropećne prašine niskotlačnom plinskom fazom	48	(2009)	2	91-94
1344.	<i>T. Lis</i>	Modification of oxygen and sulphur inclusions in steel by calcium treatment / Modificiranje kisikovih i sulfidnih uključaka u čeliku obradbom kalcijem	48	(2009)	2	95-98
1345.	<i>V. Stoyka, F. Kovač, B. Julius</i>	Study of secondary recrystallization in grain-oriented steel treated under dynamical heat treatment conditions / Proučavanje sekundarne rekristalizacije u čeliku s orijentiranim zrnima pri dinamičkim uvjetima toplinske obradbe	48	(2009)	2	99-102
1346.	<i>L. Gusel, R. Rudolf, B. Kosec</i>	Analysis of a strain rate field in cold formed material using the visioelasticity method / Analiza polja brzine deformacije hladno deformiranog materijala rabljenjem vizioplastične metode	48	(2009)	2	103-107
1347.	<i>U. Esme, A. Kokangul, M. Bayramoglu, N. Geren</i>	Mathematical modeling for prediction and optimization of TIG welding pool geometry / Matematičko modeliranje u svrhu predviđanja i optimiranja zavarivačke kupke kod TIG zavarivanja	48	(2009)	2	109-112
1348.	<i>K. Nowacki</i>	Possibility of determining steel grain size using ultrasonic waves / Mogućnost određivanja veličine zrna u čeliku rabljenjem ultrazvučnih valova	48	(2009)	2	113-115
1349.	<i>A. Sagbas, F. Kahraman, U. Esme</i>	Modeling and predicting abrasive wear behaviour of poly oxy methylenes using response surface methodology and neural networks / Primjena metode odzivnih površina i neuronskih mreža za modeliranje i procjenu otpornosti na abrazijsko trošenje Poly oxy metilena	48	(2009)	2	117-120
1350.	<i>M. Górška, L. Szczówka, R. Budzik</i>	The influence of changes of combustion gas temperature during flow around the horizontal cylinder on local Nu number / Utjecaj promjena temperature plinova izgaranja tijekom strujanja oko horizontalnog cilindra na lokalni Nusseltov broj	48	(2009)	2	121-124

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1351.	Z. Skuza, C. Kolmasiak, R. Prusak	Possibilities for the utilization of metallurgical slag in the conditions of the Polish economy / Mogućnost uporabe metalurške troske u uvjetima ekonomije Poljske	48	(2009)	2	125-128
1352.	T. Sasvári, J. Durove, B. Pandula	Rock massif observation from underground coal gasification point of view / Očevid krutosti tla s gledišta podzemnog otplinjavanja uglja	48	(2009)	2	129-132
1353.	A. Fornalczyk, M. Saternus	Removal of platinum group metals from the used auto catalytic converter / Izdvajanje metala iz grupe platina iz korištenih automobilskih katalitičkih convertera	48	(2009)	2	133-136
1354.	B. Gajdzik	Introduction of total productive maintenance in steelworks plants / Uvođenje potpunog proizvodnog održavanja u industriju čelika	48	(2009)	2	137-140
1355.	T. Merder, J. Pieprzyca, M. Warzecha	Numerical modeling of steel flow in the six-strand tundish with different flow control devices / Numeričko modeliranje protjecanja metala u međuloncu sa šest žila pomoću različitih uređaja za kontrolu protjecanja	48	(2009)	3	143-146
1356.	I. Naglič, A. Smolej, M. Doberšek	The influence of alloying elements in aluminium on the grain refinement with ALTi5B1 / Utjecaj legirajućih elemenata u aluminiju na usitnjavanje zrna s ALTi5B1	48	(2009)	3	147-150
1357.	V. Soare, C. Gurgu, I. Surcel, M. Burada, V. I. Soare	Electrochemical process for the manufacturing of titanium alloy matrix composites / Elektrokemijski postupak za proizvodnju titanovih kompozitnih slitina	48	(2009)	3	151-155
1358.	S. Dobatkin, J. Zrník, I. Mamuzić	Mechanical and service properties of low carbon steels processed by severe plastic deformation / Mehanička i uporabna svojstva niskougljičnih čelika poslije intenzivne plastične deformacije	48	(2009)	3	157-160
1359.	A. Demir, R. Samur, I. Kiliçaslan	Investigation of the coatings applied onto brake discs on disc-brake pad pair / Ispitivanje premaza primjenjenih na diskove kočnica na dva uloška za disk-kočnicu	48	(2009)	3	161-166
1360.	J. Štaba, M. Buršák	Complex approach mechanical properties and formability assessment of selected deep-drawing steels / Kompleksni pristup procjeni mehaničkih svojstava i deformabilnosti odabranih čelika za duboko vučenje	48	(2009)	3	167-170
1361.	D. Kakaš, L. Kovačević, P. Terek, D. Krumes, Z. Kolumbić	Use of SEM and EDS analysis in the investigation of Al-Si-Cu piston alloy cast porosity / Primjena SEM i EDS analiza u istraživanju poroznosti Al-Si-Cu lijevanog stapa	48	(2009)	3	171-174
1362.	M. Saternus, J. Botor	Physical model of aluminium refining process in URC-7000 / Fizikalni model procesa rafinacije aluminija u reaktoru URC-7000	48	(2009)	3	175-179
1363.	I. Samardžić, I. Kladarić, Š. Klarić	The influence of welding parameters on weld characteristics in electric arc stud welding / Utjecaj parametara zavarivanja na karakteristike zavarenog spoja kod elektrolučnog zavarivanja svornjaka	48	(2009)	3	181-185
1364.	K. Grigorovich, G. Burkhanov, S. Shibaev, A. Dalmatov, I. Belyaev, N. Kolchugina	Fractional gas analysis procedure for determining the contents of oxide and nitride phases in ALNICO alloys / Primjena frakcijske plinske analize za određivanje sadržaja oksidnih i dušičnih faza u ALNICO legurama	48	(2009)	3	187-191
1365.	M. Kundak, L. Lazić, J. Črnko	CO ₂ emissions in the steel industry / CO ₂ emisije u industriji čelika	48	(2009)	3	193-197
1366.	M. Perinić, M. Ikonić, S. Maričić	Die casting process assessment using single minute exchange of dies (SMED) method / Unapređenje procesa tlačnog lijevanja primjenom SMED metode	48	(2009)	3	199-202
1367.	A. Varga, M. Tatić, L. Lazić	Application of roof radiant burners in large pusher-type furnaces / Primjena stropnih radijacijskih gorionika u velikim potisnim pećima	48	(2009)	3	203-207

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1368.	<i>R. Lenort, D. Staš, A. Samolejová</i>	Capacity planning in operations producing heavy plate cut shapes / Planiranje kapaciteta kod rezanja teških limova	48	(2009)	3	209-211
1369.	<i>K. Michalek, K. Gryc, J. Morávka</i>	Physical modelling of bath homogenisation in argon stirred ladle / Fizikalno modeliranje skrućivanja taline u loncu s argonskim miješanjem	48	(2009)	4	215-218
1370.	<i>K. Michalek, J. Morávka, K. Gryc</i>	Mathematical identification of homogenisation processes in argon stirred ladle / Matematička analiza procesa homogenizacije u loncu s argonskim miješanjem	48	(2009)	4	219-222
1371.	<i>J. Vlček, V. Tomková, P. Babková, M. Vavro</i>	Alkali-activated composites based on slags from iron and steel metallurgy / Aktivno lužnati kompoziti dobiveni od troske željezne i čelične industrije	48	(2009)	4	223-227
1372.	<i>J. Bažan, K. Stránský, D. Horáková</i>	Chemical composition and morphology of oxidic ceramics at filtration of steel deoxidised by aluminium / Kemijski sastav i morfologija oksidne keramike tijekom filtriranja aluminijem deoksidiranog čelika	48	(2009)	4	229-233
1373.	<i>M. Příhoda, J. Molínek, R. Pyszko, M. Velička, M. Vaculík, J. Burda</i>	Heat transfer during cooling of hot surfaces by water nozzles / Prijenos topline tijekom hlađenja vrućih površina pomoću vodenih sapnica	48	(2009)	4	235-238
1374.	<i>R. Dudek, L. Dobrovski, J. Dobrovská</i>	Study of surface tension of inorganic melts based on their chemical composition and temperature / Istraživanje površinske napetosti anorganskih talina temeljem njihovog kemijskog sastava i temperature	48	(2009)	4	239-242
1375.	<i>T. Elbel, J. Hampl</i>	Influence of Al and Ti on microstructure and quality of compacted graphite iron castings / Utjecaj aluminija i titana na mikrostrukturu i kvalitetu željeznih odljevaka s udjelom vermikularnog grafitu	48	(2009)	4	243-247
1376.	<i>M. Greger, M. Černý, L. Kander, J. Kliber</i>	Structure and properties of Titanium for dental implants / Struktura i svojstva titana za zubne umetke (implantate)	48	(2009)	4	249-252
1377.	<i>B. Strnadel, K. Matocha</i>	Testing samples size effect on notch toughness of structural steels / Utjecaj veličine uzorka na žilavost konstrukcijskih čelika	48	(2009)	4	253-256
1378.	<i>J. Kliber, S. Aksenov, R. Fabík</i>	Numerical study of deformation characteristics in plane strain compression test (PSCT) volume certified following microstructure / Numerička studija deformacijskih karakteristika testa ravninske tlačne deformacije slijedom mikrostrukture (TRTD)	48	(2009)	4	257-261
1379.	<i>M. Greger, V. Vodárek, L. Kander, M. Černý</i>	Working steel P2-04BCH by equal channel angular extrusion (ECAE) / Obrada čelika P2-04BCH kutno kanalnom ekstruzijom (KKE)	48	(2009)	4	263-266
1380.	<i>R. Kocich, J. Kliber, M. Herout</i>	Finite elements method (FEM) simulation based prediction of deformation and temperature at rolling of tubes on a pilgrim mill / Predviđanje deformacije i temperature metodom konačnim elemenata (MKE) tijekom valjanja cijevi na pilger – stanu	48	(2009)	4	267-271
1381.	<i>R. Fabík, T. Kubina, S. Aksenov, K. Drozd, I. Schindler, J. Kliber</i>	Verification of new model for calculation of critical strain for the initialization of dynamic recrystallization using laboratory rolling / Vrednovanje novog modela proračuna kritične deformacije početka dinamičke rekristalizacije rabljenjem laboratorijskog valjanja	48	(2009)	4	273-276
1382.	<i>M. Velička, R. Pyszko, M. Příhoda, J. Molínek</i>	Research of heat transport in mould for continuous casting of steel / Ispitivanje prijenosa topline u kalupu za kontinuirano lijevanje čelika	48	(2009)	4	277-280
1383.	<i>D. Noskiewičová</i>	Statistical analysis of the blast furnace process output parameter using ARIMA control chart with proposed methodology of control limits setting / Statistička analiza izlaznih parametara procesa u visokoj peći pomoću ARIMA – kontrolnog dijagrama uz prijedlog metodologije određivanja kontrolnih granica	48	(2009)	4	281-284

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1384.	<i>I. Mamuzić</i>	Acknowledgement to reviewers / Zahvala recenzentima	49	(2009)	4	228
1385.	<i>J. Kliber</i>	The Faculty of Metallurgy and Materials Engineering of VSB – Technical University of Ostrava	49	(2009)	4	262
1386.	<i>G. Solenički, I. Budić, D. Ciglar</i>	Determination of thermal conductivity in foundry mould mixtures / Određivanje koeficijenta toplinske vodljivosti kalupnih mješavina	49	(2010)	1	3-7
1387.	<i>M. Muhić, J. Tušek, F. Kosel, D. Klobčar, M. Pleterski</i>	Thermal fatigue cracking of die-casting dies / Pukotine na kalupima (alatima) za tlačno lijevanje uslijed toplinskog umora	49	(2010)	1	9-12
1388.	<i>W. Matysiak, B. Barišić, I. Mamuzić</i>	Elaboration of the technology of forming a conical product of sheet metal / Razrada tehnologije oblikovanja stožastih proizvoda od lima	49	(2010)	1	13-17
1389.	<i>J. Terpák, L'. Dorčák, J. Revaj</i>	Quality control of the electro-discharge texturing / Kontrola kvalitete elektroerozijske teksture	49	(2010)	1	19-22
1390.	<i>S. Lasek, L. Střílková, V. Číhal, M. Blahetová</i>	Electrochemical testing of passivity state and corrosion resistance of supermartensitic stainless steels / Elektrokemijsko ispitivanje stabilnosti pasivnog stanja i korozijske otpornosti supermartenzitnog nehrđajućeg čelika	49	(2010)	1	23-27
1391.	<i>J. Bernetič, B. Bradaškja, G. Kosec, E. Bricelj, B. Kosec, F. Vodopivec, L. Kosec</i>	Centreline formation of Nb(C, N) eutectic in structural steel / Nastajanje niobij karbonitridnog eutektika u konstrukcijskom čeliku	49	(2010)	1	29-32
1392.	<i>T. Matković, Lj. Slokar, P. Matković</i>	Effect of composition on the structure and properties of Ti-Co-Cr alloys / Utjecaj sastava na strukturu i svojstva Ti-Co-Cr legura	49	(2010)	1	33-36
1393.	<i>D. Steiner Petrovič, M. Jenko, A. Jaklič, A. Čop</i>	Correlation of titanium content and core loss in non- oriented electrical steel sheets / Korelacija između sadržaja titana u čeliku i elektromagnetskih svojstava neorijentiranih elektrolimova	49	(2010)	1	37-40
1394.	<i>M. Pleterski, J. Tušek, L. Kosec, M. Muhić, T. Muhić</i>	Laser repair welding of molds with various pulse shapes / Lasersko reparaturno zavarivanje alata s različitim oblicima impulsa	49	(2010)	1	41-44
1395.	<i>P. Jelić, L. Lazić, J. Črnko</i>	The effect of cooling rate on the properties of alloyed cast- iron sizing roll / Utjecaj brzine hlađenja na svojstva kalibrnog valjka od legiranog željeznog lijeva	49	(2010)	1	45-48
1396.	<i>F. Tehovnik, F. Vodopivec, B. Arzenšek, R. Celin</i>	The effect of lead on the hot workability of austenitic stainless steel with a solidification structure / Utjecaj olova na toplo preoblikovanje austenitnog nehrđajućeg čelika s ljevanom strukturom	49	(2010)	1	49-52
1397.	<i>V. Marušić, S. Aračić, I. Samarždić</i>	The influence of the base material surface preparation on the properties of thermally sprayed coatings / Istraživanje utjecaja pripreme površine osnovnog materijala na svojstva toplinski naštrcanog sloja	49	(2010)	1	53-56
1398.	<i>A. Karabulut</i>	Determination of diametral error using finite elements and experimental method / Određivanje odstupanja izmjere promjera pomoću metode konačnih elemenata i eksperimenta	49	(2010)	1	57-60
1399.	<i>I. Lesso, P. Flegner, M. Šujanský, E. Špak</i>	Research of the possibility of application of vector quantisation method for effective process control of rocks disintegration by rotary drilling / Istraživanje mogućnosti primjene metode vektorske kvantitacije za učinkovito upravljanje procesom rotacijskog bušenja stijena	49	(2010)	1	61-65
1400.	<i>J. Kliber, R. Fabík, I. Vitez, K. Drozd</i>	Hot forming recrystallization kinetics in steel / Kinetika rekristalizacije tijekom vrućeg oblikovanja čelika	49	(2010)	1	67-71
1401.	<i>I. Mamuzić</i>	Acknowledgement to reviewers / Zahvala recenzentima	49	(2010)	1	72
1402.	<i>L'. Dorčák, J. Terpák, I. Podlubný, L. Pivka</i>	Methods for monitoring heat flow intensity in the blast furnace wall / Metode praćenja intenziteta toplinskog toka u stjenci visoke peći	49	(2010)	2	75-78
1403.	<i>J. Terpák, L'. Dorčák, I. Košťál, L. Pivka</i>	Reduction of costs of iron production by changing parameters of the mixed blast-furnace wind / Smanjvanje troškova proizvodnje željeza promjenama parametara vjetra visoke peći	49	(2010)	2	79-82

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1404.	<i>R. Basan, M. Franulović, S. Smokvina Hanza</i>	Estimation of cyclic stress-strain curves for low-alloy steel from hardness / Procjena cikličkih krivulja naprezanje-deformacija niskolegirano čelika na osnovi tvrdoće	49	(2010)	2	83-86
1405.	<i>I. Peruš, M. Fazarinc, G. Kugler, P. Fajfar</i>	On the influence of human factor on mechanical properties in aluminium hot extrusion process / O utjecaju ljudskog faktora na mehanička svojstva u istiskivanju aluminija na toplo	49	(2010)	2	87-90
1406.	<i>F. Trebuša, F. Šimčák, A. Gmíterko</i>	Numerical and experimental modelling of carrying elements of heavy metallurgical equipments / Numeričko i eksperimentalno modeliranje nosivih elemenata teške metalurške opreme	49	(2010)	2	91-94
1407.	<i>J. Klimeš</i>	Formal concept analysis applied to the prediction of additives for galvanizing process / Formal concept analize za procjenu dodataka na proces galvanizacije	49	(2010)	2	95-98
1408.	<i>L. Jurišica, A. Vitko</i>	Imbedding intelligence into mechatronic systems / Ugrađivanje inteligencije u mehatroničke sustave	49	(2010)	2	99-102
1409.	<i>C. Kratochvíl, L. Houfek, R. Grepl, V. Fuis</i>	Analysis and modeling of dynamic properties of interactive drive system / Analiza i modeliranje dinamičkih svojstava interaktivnog pogonskog sustava	49	(2010)	2	103-106
1410.	<i>J. Ondrouch, P. Ferfečki, Z. Poruba</i>	Active vibration reduction of rigid rotor by kinematic excitation of bushes of journal bearings / Aktivno prigušivanje vibracija krutog rotora kinematskom pobudom blaznica kliznih ležajeva	49	(2010)	2	107-110
1411.	<i>S. Aračić, D. Krumes, I. Vitez</i>	Tribocorrosion of low carbon steel C15E IN 5 % NaCl and 5 % NaCl + SiO ₂ / Korozijsko trošenje niskougljičnog čelika C15E u 5 % NaCl i 5 % NaCl+SiO ₂	49	(2010)	2	111-114
1412.	<i>E. Krstić Vukelja, I. Duplančić, B. Lela</i>	Continuous roll casting of aluminium alloys – casting parameters analysis / Kontinuirano lijevanje aluminijevih slitina – analiza parametara lijevanja	49	(2010)	2	115-118
1413.	<i>I. Samardžić, Z. Kožuh, B. Mateša</i>	Structural analysis of three-metal explosion joint: zirconium-titanium-steel / Strukturalna analiza eksplozijski spojenog trosloja: cirkonij-titan-čelik	49	(2010)	2	119-122
1414.	<i>D. Bajić, S. Jozić, S. Podrug</i>	Design of experiment's application in the optimization of milling process / Primjena plana pokusa u optimizaciji procesa glodanja	49	(2010)	2	123-126
1415.	<i>M. Valasek</i>	Highly efficient models and simulations – the basis of design of mechatronic systems / Visokoučinski modeli i simulacije – konstrukcijska osnova mehatroničkih sustava	49	(2010)	2	127-131
1416.	<i>F. Trebuna</i>	3rd International Conference Modeling of the mechanics and mechatronics systems / Modeliranje mehaničkih i mehatroničkih sustava	49	(2010)	2	133-134
1417.	<i>F. Trebuna</i>	Summaries of Abstracts / Zbornik sažetaka	49	(2010)	2	135-144
1418.	<i>J. Črnko</i>	U spomen / Obituary Mijo Kundak (1939. – 2009.)	49	(2010)	2	132
1419.	<i>F. Vodopivec, B. Šuštaršič, J. Vojvodič-Tuma, G. Kosec</i>	Charpy notch toughness and hardness of reheated martensite and lower bainite / Charpy udarna žilavost i tvrdoća odžarenog materijala i donjeg bainita	49	(2010)	3	149-154
1420.	<i>M. Tonković Prijanović, L. Kosec</i>	Heat affected zone in surfacing chromium ledeburitic steel / Zona utjecaja topline kod navarivanja kromovog ledeburitnog čelika	49	(2010)	3	155-160
1421.	<i>M. Mihaliková</i>	Research of strain distribution and strain rate change in the fracture surroundings by the videoextensometric methode / Istraživanje promjena raspodjele i brzine deformacije u okolini prijeloma sa videoekstenziometričkom metodom	49	(2010)	3	161-164
1422.	<i>F. Chowaniec, J. Mannheim, J. Raab, R. Talarek</i>	Steel industry in new EU member states in comparison with the global trends / Industrija čelika u novim članicama EU u usporedbi sa globalnim trendovima	49	(2010)	3	165-168

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1423.	<i>J. Kliber, I. Mamuzić</i>	Selected new technologies and research themes in materials forming / Odabrane nove tehnologije i zadaci istraživanja u oblikovanju deformiranjem materijala	49	(2010)	3	169-174
1424.	<i>R. Kawalla, M. Graf, K. Tokmakov</i>	Simulation system of multistage hot rolling process of flat products / Simulacija višestupnjastog procesa valjanja plosnatih proizvoda	49	(2010)	3	175-179
1425.	<i>D. Vojtěch</i>	Challenges for research and development of new aluminum alloys / Izazovi u istraživanju i razvitku novih aluminijskih legura	49	(2010)	3	181-185
1426.	<i>Yu. G. Gulyayev, Ye. I. Shyfrin, I. Mamuzić, D. Yu. Garmashev, N. A. Maximova</i>	The modern trends of development of the pipe and tube industry / Suvremeni putokazi razvitka industrije cijevi	49	(2010)	3	187-190
1427.	<i>I. Mamuzić</i>	9th International Symposium of Croatian Metallurgical Society / 9. međunarodni simpozij Hrvatskog metalurškog društva	49	(2010)	3	191-194
1428.	<i>I. Mamuzić</i>	Plenary lectures Summaries of Lectures / Sažeci predavanja	49	(2010)	3	195
1429.	<i>I. Mamuzić</i>	Materials – Section “A” Summaries of Lectures / Sažeci predavanja sekcija “A”	49	(2010)	3	196-217
1430.	<i>I. Mamuzić</i>	Process Metallurgy – Section “B” Summaries of Lectures / Sažeci predavanja sekcija “B”	49	(2010)	3	218-225
1431.	<i>I. Mamuzić</i>	Plastic Processing – Section “C” Summaries of Lectures / Sažeci predavanja sekcija “C”	49	(2010)	3	226-231
1432.	<i>I. Mamuzić</i>	Metallurgy and Related Topics – Section “D” Summaries of Lectures / Sažeci predavanja sekcija “D”	49	(2010)	3	232-240
1433.	<i>F. Vodopivec</i>	70. obljetnica života akademika Ilije Mamuzića (Dio I) / 70th Anniversary of Life Academician Ilija Mamuzić (Part I)	49	(2010)	3	241-254
1434.	<i>F. Vodopivec</i>	Rezultati djelatnosti (dio II.) znanstvene / stručne / nastavne / ostale / članstvo / različiti oblici priznanja / Results of activities (part II) scientific / professional / educational / other / membership / different acknowledgements	49	(2010)	3	255-287
1435.	<i>I. Mamuzić</i>	Editorial Board of the Journal Metalurgija – Minutes / Urednički odbor časopisa Metalurgija – Zapisnik	49	(2010)	4	291-292
1436.	<i>I. Mamuzić</i>	Editorial Board of the Journal Metalurgija – Rule Book of the Journal Metalurgija / Urednički odbor časopisa Metalurgija – Pravilnik časopisa Metalurgija	49	(2010)	4	293-294
1437.	<i>S. Kut</i>	A simple method to determine ductile fracture strain in a tensile test of plane specimen's / Jednostavna metoda određivanja plastičnoga prijeloma i čvrstoće plošnih uzoraka	49	(2010)	4	295-299
1438.	<i>S. Kastelic, J. Medved, P. Mrvar</i>	Prediction of numerical distortion after welding with various welding sequences and clampings / Numeričko predviđanje izobličenja nakon zavarivanja s različnim slijedom zavarivanja i spajanja	49	(2010)	4	301-305
1439.	<i>J. Matusiak, A. Wyciślik</i>	The influence of technological conditions on the emission of welding fume due to welding of stainless steels / Utjecaj tehnoloških uvjeta zavarivanja nehrđajućih čelika na emisiju zavarivačkih prašina	49	(2010)	4	307-311
1440.	<i>O. Híreš, I. Barény</i>	Mechanical properties of forgings depending on the changes in shape and chemical composition of inclusions / Mehanička svojstva otkivaka u ovisnosti od izmjene oblika i kemijskog sastava uključaka	49	(2010)	4	313-316
1441.	<i>M. Buršák, J. Michel</i>	Influence of the strain rate on the mechanical and technological properties of steel sheets / Utjecaj brzine deformacije na mehanička i tehnološka svojstva čeličnih traka	49	(2010)	4	317-320
1442.	<i>M. Šiško Kuliš, Z. Mrduljša, B. Klarin</i>	Assessing the yield point of concrete steels based upon known chemical composition / Prognoziranje granice razvlačenja betonskih čelika temeljem poznatog kemijskog sastava	49	(2010)	4	321-324

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1443.	<i>I. Samardžić, D. Bajić, Š. Klarić</i>	Influence of the activating flux on weld joint properties at arc stud welding process / Utjecaj aktivirajućeg topitelja na svojstva zavarenog spoja kod elektrolučnog zavarivanja svornjaka	49	(2010)	4	325-329
1444.	<i>S. Cvetkovski, V. Grabulov, Z. Odanovic, D. Slavkov</i>	Optimization of welding parameters for gas transportation steel pipes / Optimizacija parametra zavarivanja čeličnih cijevi za plinovode	49	(2010)	4	331-334
1445.	<i>A. Yasar</i>	Effects of alcohol-gasoline blends on exhaust and noise emissions in small scaled generators / Djelovanje alkoholno-benzinskih mješavina na emisiju ispušnih plinova i buke kod malih generatora	49	(2010)	4	335-338
1446.	<i>M. Sekulić, Z. Jurković, M. Hadžistević, M. Gostimirović</i>	The influence of mechanical properties of workpiece material on the main cutting force in face milling / Utjecaj mehaničkih karakteristika materijala obratka na glavnu silu rezanja pri čeonom glodanju	49	(2010)	4	339-342
1447.	<i>S. Dobatkin, J. Zrnin, I. Mamuzić</i>	Development of SPD continuous processes for strip and rod production / Razvitak intenzivnih plastičnih deformacija (IPD) kontinuiranog procesa za trake i šipkaste proizvode	49	(2010)	4	343-347
1448.	<i>D. Malindžak, M. Straka, P. Helo, J. Takala</i>	The methodology for the logistics system simulation model design / Metodologije za dizajniranje simulacijskog modela logističkih sustava	49	(2010)	4	348-352
1449.	<i>R. Wieszala, B. Gajdzik</i>	The Effectiveness of Environmental Management in a Metallurgical Company's Sustainable Development / Djelotvornost upravljanja okolišem kod održivog razvoja metalurške tvrtke	49	(2010)	4	353-356
1450.	<i>G. Kosec, G. Kovačić, J. Hodolić, B. Kosec</i>	Cracking of an Aircraft Wheel Rim Made From Al-Alloy 2014-T6 / Pucanje naplatka avionskog kotača izrađenog od Al-slitine 2014-T6	49	(2010)	4	357-360
1451.	<i>I. Mamuzić</i>	Izborna godišnja skupština Hrvatskog metalurškog društva / Annual Election Assambly of Croatian Metallurgical Society	49	(2010)	4	330
1452.	<i>I. Mamuzić: Urednički odbor časopisa Metalurgija / Glavni i odgovorni urednik Editorial Board of the Journal Metalurgija / Editor – in – chief:</i>	50-a godina tiskanja časopisa Metalurgija / 50th Year of the publishing of the Journal Metalurgija	50	(2011)	1	3-7
1453.	<i>S. Bockus, G. Zaldarys</i>	Evaluation of producing technique factors affecting the matrix microstructure of as-cast ductile iron castings / Istraživanje utjecaja procesnih parametara na mikrostrukturni odljevaka od nodularnog lijeva u lijevanom stanju	50	(2011)	1	9-12
1454.	<i>B. Karpe, B. Kosec, T. Kolenko, M. Bizjak</i>	Heat transfer analyses of continuous casting by free jet meltspinning device / Analiza prijelaza topline tijekom kontinuiranog lijevanja uređajem za brzo skrućivanje	50	(2011)	1	13-16
1455.	<i>G. Cukor, Z. Jurković, M. Sekulić</i>	Rotatable central composite design of experiments versus Taguchi method in the optimization of turning / Centralni kompozicijski plan pokusa nasuprot Taguchijevoj metodi u optimizaciji tokarenja	50	(2011)	1	17-20
1456.	<i>A. Gigović-Gekić, M. Oruč, I. Vitez</i>	The effect of solution annealing on properties of steel Nitronic 60 / Utjecaj otapajućeg žarenja na svojstva čelika Nitronic 60a	50	(2011)	1	21-24
1457.	<i>I. Naglič</i>	The influence of stirring on the fading of the AlTi5B1 grain refiner in an Al-Fe alloy / Utjecaj miješanja taljevine na slabljenje učinka AlTi5B1 cjepiva u Al-Fe legurama	50	(2011)	1	25-28
1458.	<i>J. Gontarev, M. Doberšek, J. Medved, P. Mrvar</i>	Solidification of hipereutektoid high speed steel for rolls / Kristalizacija nadeutektoidnog brzoreznog čelika za valjke	50	(2011)	1	29-32
1459.	<i>P. Fecko, I. Janakova, E. Pertile, E. Kulova</i>	Bacterial leaching of Pb -metallurgical wastes / Bakterijsko izluživanje olovnog metalurškog otpada	50	(2011)	1	33-36

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1460.	<i>J. Prezelj, M. Čudina</i>	A sound pressure field during the quenching of a steel specimen indifferent water solution / Upotreba zvuka za monitoring i kontrolu kaljenja čeličnog uzorka u različitim vodenim rastopinama	50	(2011)	1	37-40
1461.	<i>E. Kormaníková, I. Mamuzić</i>	Optimization of laminates subjected to failure criterion / Optimizacija laminata ovisno o kriteriju razaranja	50	(2011)	1	41-44
1462.	<i>A. Nagode, L. Kosec, B. Ulež, G. Kosec</i>	Review of creep resistant alloys for power plant applications / Pregled slitina otpornih na puzanje za uporabu u energetske postrojenjima	50	(2011)	1	45-48
1463.	<i>B. Slusarczyk</i>	Impact of EU environmental policy on polish iron and steel industry / Utjecaj EU naputka za okoliš na Poljsku industriju čelika	50	(2011)	1	49-52
1464.	<i>J. Dvořáček, R. Sousedíková, L. Domaracká</i>	Selecting indicators of future corporate business development / Odabir pokazatelja budućeg poslovnog razvoja korporacija	50	(2011)	1	53-56
1465.	<i>Mi. Kostelac, J. Tepič, N. Čular</i>	Justification of the application of tightening elements in the shaft- hub joint / Opravdanost primjene spoja glavčine s vratilom steznim elementima	50	(2011)	1	57-61
1466.	<i>B. Gajdzik, D. Burchart-Korol</i>	Eco-innovation in manufacturing plants illustrated with an example of steel products development / Ekološko inoviranje u proizvodnim poduzećima ilustrirano na primjeru razvoja proizvoda od čelika	50	(2011)	1	63-66
1467.	<i>A. Yasar</i>	Effect of adhesive geometry on the tensile properties of AISI 1350 steel / Utjecaj grometrije lijepjenog spoja na vlačna svojstva čelika AISI 1350	50	(2011)	1	67-70
1468.	<i>I. Mamuzić: Urednički odbor časopisa Metalurgija – Glavni i odgovorni urednik / Editorial Board of the Journal Metalurgija – Editor – in – chief</i>	Acknowledgement to reviewers / Zahvala recenzentima	50	(2011)	1	8
1469.	<i>I. Mamuzić</i>	Scientific committee: Survey of 9th International Symposium of Croatian Metallurgical Society (CMS) – SHMD '2010. "Materials and Metallurgy"	50	(2011)	1	71-72
1470.	<i>I. Mamuzić</i>	Organizing committee: 10th International Symposium of Croatian Metallurgical Society "Materials and Metallurgy" SHMD '2012 First Circular – Call for Papers / 10. međunarodni simpozij Hrvatskog metalurškog društva "Materijali i metalurgija" SHMD '2012. Prvo priopćenje – poziv za referate	50	(2011)	2	75-80
1471.	<i>J. Horsinka, J. Kliber, K. Drozd, I. Mamuzić</i>	Approximation model of the stress-strain curve for deformation of aluminium alloys / Približni model naprežanje-brzina deformacije krivulje za oblikovanje aluminijevskih legura	50	(2011)	2	81-84
1472.	<i>S. Mróz, P. Szota, H. Dyja, A. Kawalek</i>	Theoretical and experimental analysis of the Cu-Al bimetallic bar rolling process / Teoretska i eksperimentalna analiza Cu-Al bimetalnih šipki u procesu valjanja	50	(2011)	2	85-88
1473.	<i>B. Oleksiak, L. Blacha</i>	Kinetics of lead removal from the Cu-Pb-Fe alloy by barbotage with inert gases / Kinetika odstranjivanja olova iz Cu-Pb-Fe legure pročišćavanjem inertnim plinom	50	(2011)	2	89-92
1474.	<i>R. Daňko</i>	Innovative developments in sand reclamation technologies / Inovativni razvoj tehnologija regeneriranja pijeska	50	(2011)	2	93-96
1475.	<i>T. Frączek, C. Kolmasiak, M. Olejnik, Z. Skuza</i>	Assessment of the effectiveness of 316L austenitic steel unconventional glow discharge nitriding / Procjena učinkovitosti nekonvencionalnog nitriranja austenitnog čelika 316L	50	(2011)	2	97-100
1476.	<i>T. Muhić, L. Kosec, G. Liedl, M. Pleterski</i>	Assessment of the effect of Nd:YAG laser pulse operating parameters on the metallurgical characteristics of different tool steels using DOE software / Procjena utjecaja operativnih parametara Nd:YAG pulsno lasera na metalurška svojstva različitih alatnih čelika pomoću DOE softvera	50	(2011)	2	101-105

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1477.	<i>B. Sovilj, I. Sovilj-Nikić, D. Ješić</i>	Measurement methodology of characteristics and election of materials of elements of tribomechanical systems / Metodologija mjerenja karakteristika i izbor materijala elemenata tribomehaničkih sustava	50	(2011)	2	107-111
1478.	<i>J. Jurko, M. Gajdoš, A. Panda</i>	Study of changes under the machined surface and accompanying phenomena in the cutting zone during drilling of stainless steels with low carbon content / Studija promjena ispod obrađene površine i pridruženi fenomeni u zoni rezanja tijekom bušenja nehrđajućeg čelika s niskim sadržajem ugljika	50	(2011)	2	113-117
1479.	<i>M. Holtzer, A. Bobrowski, B. Grabowska</i>	Montmorillonite: A comparison of methods for its determination in foundry bentonites / Montmorilonit – usporedba metoda za njegovo određivanje u ljevaoničkim bentonitima	50	(2011)	2	119-122
1480.	<i>J. Lis, A. Lis, C. Kolan</i>	Investigation of boron segregation in low carbon steel / Istraživanje segregacije bora kod niskougljičnih čelika	50	(2011)	2	123-126
1481.	<i>M. Petrič, J. Medved, P. Mrvar</i>	Effect of grain refinement and modification of eutectic phase on shrinkage of AlSi9Cu3 alloy / Utjecaj usitnjavanja zrna i modifikacije eutektičke faze na stezanje pri skrućivanju AlSi9Cu3 legure	50	(2011)	2	127-131
1482.	<i>V. Vuković, R. Radič, S. Čudić</i>	Resurfacing monoblock of steel R7T wheel rims (MBW) for the train wagons / Navarivanje vijenaca monoblok točka (MBT) čelika R7T za željeznička vozila	50	(2011)	2	133-136
1483.	<i>Z. Skuza, R. Prusak, R. Budzik</i>	Contemporary elements of quality management system in the metallurgical enterprise / Suvremeni elementi sustava upravljanja kvalitetom u metalurškom poduzeću	50	(2011)	2	137-140
1484.	<i>M. Andrejkovič, Z. Hajduová, L. Mixtaj, E. Weiss, R. Weiss</i>	Improvement of processes in metallurgy company / Unapređenje procesa u metalurškoj kompaniji	50	(2011)	2	141-144
1485.	<i>I. Mamuzić</i>	Acknowledgement to reviewers / Zahvala recenzentima	50	(2011)	2	132
1486.	<i>M. Warzecha</i>	Numerical and physical modelling of steel flow in a one-strand continuous casting tundish / Numeričko i fizikalno modeliranje protjecanja čelika u međuloncju uređaja za kontinuirano lijevanje s jednom žilom	50	(2011)	3	147-150
1487.	<i>T. Frączek, M. Olejnik, J. Jasiński, Z. Skuza</i>	Short-term low-temperature glow discharge nitriding of 316L austenitic steel / Kratkotrajno niskotemperaturno nitriranje austenitnog čelika 316L	50	(2011)	3	151-154
1488.	<i>R. Sunulahpašić, M. Oruč</i>	Effect of temperature on mechanical properties and type of fracture of superalloys Nimonic 80A / Uticaj temperature na mehanička svojstva i tip loma superlegure Nimonic 80A	50	(2011)	3	155-158
1489.	<i>I. Samardžić, B. Mateša, I. Kladarić</i>	The influence of heat treatment on properties of three-metal explosion joint: AlMg-Al-Steel / Utjecaj toplinske obradbe na svojstva eksplozijski spojenog trosloja: AlMg-Al-čelik	50	(2011)	3	159-162
1490.	<i>A. Kawalek, H. Dyja, S. Mroz, M. Knapinski</i>	Effect of plate asymmetric rolling parameters on the change of the total unit pressure of roll / Učinak parametara asimetričnog valjanja platine na promjene ukupnog pritiska valjka	50	(2011)	3	163-166
1491.	<i>A. Vuković, M. Ikonić, S. Doboviček</i>	Model for leadership competence management in metallurgical enterprise / Model upravljanja kompetencijama vodstva u metalurškim tvrtkama	50	(2011)	3	167-171
1492.	<i>J. Łabaj, B. Oleksiak, G. Siwiec</i>	Analysis of the options of copper removal from liquid iron by evaporation / Analiza opcija odstranjivanja bakra iz tekućeg željeza ispravljanjem	50	(2011)	3	173-175
1493.	<i>G. Siwiec, J. Łabaj</i>	Viscosity of Cu-Zn alloys / Viskoznost Cu-Zn legura	50	(2011)	3	176-178
1494.	<i>B. Arh, F. Tehovnik</i>	The oxidation and reduction of chromium of stainless steels in an electric arc furnace / Oksidacija i redukcija kroma kod nehrđajućeg čelika u elektrolučnoj peći	50	(2011)	3	179-182

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1495.	<i>B. Panic</i>	Physical and mathematical modeling of phenomena proceeding with gas – powder two phase flow through moving packed bed in metallurgical shaft furnaces / Fizikalno i matematičko modeliranje fenomena procedure s dvofaznim tokom plin-prašak kroz pokretni “packed bed” u metalurškim pećima	50	(2011)	3	183-187
1496.	<i>S. Stojadinović, N. Bajić, J. Pekez</i>	Micro alloyed steel weldability and sensibility testing on the lamellar cracks appearance / Ispitivanje zavarljivosti i osjetljivosti mikrolegiranog čelika na pojavu lamelarnih pukotina	50	(2011)	3	189-192
1497.	<i>E. Kormaníková, I. Mamuzić</i>	Shear deformation laminate theory used for sandwiches / Deformacijska teorija smika laminata rabljenih za sendviče	50	(2011)	3	193-196
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1499.	<i>W. Walke, J. Przondziona</i>	Physicochemical properties of passive layer on the surface of guide wire used in endourology / Fizikalno-kemijska svojstva pasivnog sloja na žicama vodilicama u endourologiji	50	(2011)	3	201-204
1500.	<i>D. Burchart-Korol</i>	Significance of environmental life cycle assessment (LCA) method in the iron and steel industry / Značaj ekološke metode procjene životnog ciklusa (PŽC) pri proizvodnji željeza i čelika	50	(2011)	3	205-208
1501.	<i>J. Łabaj, G. Siwiec, B. Oleksiak</i>	Surface tension of expanded slag from steel manufacturing in electrical furnace / Površinska napetost troske raširene po čeliku proizvedenom u elektropeći	50	(2011)	3	209-211
1502.	<i>K. Nowacki</i>	Influence of ultrasonic treatment on the structure of high-carbon steel / Utjecaj ultrazvučnog tretmana na strukturu visokougličnog čelika	50	(2011)	3	213-216
1503.	<i>T. Lis</i>	Optimisation of metal charge material for electric arc furnace / Optimizacija metalnog uložka elektrolučne peći	50	(2011)	4	219-222
1504.	<i>T. Merder, J. Pieprzyca</i>	Numerical modeling of the influence subflux controller of turbulence on steel flow in the tundish / Numeričko modeliranje utjecaja pomoćnog regulatora turbulencije na protjecanje čelika u međuloncu	50	(2011)	4	223-226
1505.	<i>B. Mateša, D. Kozak, A. Stoić, I. Samardžić</i>	The influence of heat treatment by annealing on clad plates residual stresses / Utjecaj toplinske obradbe žarenjem na zaostala naprezanja platiranih ploča	50	(2011)	4	227-230
1506.	<i>A. Košnik, J. Tušek, L. Kosec, T. Muhić</i>	The manufacturing of a two-layered injection mold by welding / Izrada dvoplastnog alata za ubrizgavanje termoplasta postupkom zavarivanja	50	(2011)	4	231-234
1507.	<i>D. Klobčar, M. Muhić, J. Možina, J. Tušek</i>	Laser grooving of surface cracks on hot work tool steel / Lasersko žljebljenje površinskih pukotina na alatnom čeliku za vrući rad	50	(2011)	4	235-238
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1509.	<i>S. Legutko, P. Kluk, A. Stoić</i>	Research of the surface roughness created during pull broaching process / Istraživanje površine hrapavosti površine nastale postupkom provlačenja	50	(2011)	4	245-248
1510.	<i>I. Bernáthová, M. Buršák</i>	Properties of pure titanium and ultra fine grained titanium / Svojstva čistog titana i ultra fino zrnatog titana	50	(2011)	4	249-252
1511.	<i>Z. Gulišija, A. Patarić, M. Mihailović</i>	The possibility of increasing production efficiency of Al alloys applying electromagnetic field / Mogućnost povećanja efikasnosti proizvodnje Al legura primjenom elektromagnetnog polja	50	(2011)	4	253-256
1512.	<i>M. Saternus</i>	Modelling research of hydrogen desorption from liquid aluminium and its alloys / Modelsko istraživanje desorpcije vodika iz rastaljenog aluminijske i njegovih legura	50	(2011)	4	257-260

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1513.	A. Fornalczyk, M. Saternus	Catalytic converters as a source of platinum / Katalitički konverteri kao izvor platine	50	(2011)	4	261-246
1514.	J. Labaj, B. Oleksiak, G. Siwiec	Study of copper removal from liquid iron / Studija odstranjivanja bakra iz tekućeg željeza	50	(2011)	4	265-268
1515.	I. Samardžić, M. Dunder, A. Pintarić	Possibilities of joining techniques application at railway lines joining and maintenance / Mogućnosti primjene tehnika spajanja izgradnja i održavanje tračničkih linija	50	(2011)	4	269-272
1516.	J. Tepić, V. Todić, D. Lukić, M. Milošević, S. Borojević	Development of the computer-aided process planning (CAPP) system for polymer injection molds manufacturing / Razvoj CAPP sustava za izradu kalupa za injekcijsko prešanje polimera	50	(2011)	4	273-277
1517.	A. W. Bydalek	The analysis of the carbon attendance in copper alloys / Analiza prisutnosti ugljika u bakrenim slitinama	50	(2011)	4	278-280
1518.	W. Ptaszyński, A. Gessner, P. Frąckowiak, R. Staniek	Straightness measurement of large machine guideways / Mjerenje ravnosti dugačkih strojnih vodilica	50	(2011)	4	281-284
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1520.	I. Mamuzić Urednički odbor	Acknowledgement to Reviewers / Zahvala recenzentima, volume 50(2011)	50	(2011)	4	244
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1523.	M. Pleterski, T. Muhić, D. Klobčar, L. Kosec	Microstructural evolution of a cold work tool steel after pulsed laser remelting / Procjena mikrostrukture alatnog čelika za hladni rad nakon pretaljanja pulsirajućim laserom	51	(2012)	1	13-16
1524.	J. Tušek, L. Kosec, A. Lešnjak, T. Muhić	Electrospark deposition for die repair / Nanošenje električnom iskrom za popravak alata	51	(2012)	1	17-20
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1526.	B. Oleksiak, G. Siwiec	Removal of lead from the industrial and synthetic Cu-Pb-Fe alloy with argon barbotage / Odstranjivanje olova iz industrijske i sintetičke Cu-Pb-Fe legure argonskim pročišćavanjem	51	(2012)	1	25-27
1527.	M. Janjić, M. Vukčević, V. Mandić, D. Pavletić, N. Šibalić	Microstructural evolution during friction stir welding of AlSi1MgMn alloy / Mikrostrukturni razvitak AlSi1MgMn slitine tijekom zavarivanja trenjem	51	(2012)	1	29-33
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1532.	<i>R. Staniek, A. Gessner, J. Zielnica, W. Ptaszyński, A. Myszkowski, O. Ciszak, A. Stoić</i>	Stress and displacement analysis of a modern design lathe body by the finite element method (FEM) / Analize naprezanja i pomaka suvremenog postolja tokarilice metodom konačnih elemenata (MKE)	51	(2012)	1	51-54
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1549.	<i>E. Ragan, J. Dobránský, P. Baron, T. Olejář</i>	Materials on dies for pressure die casting / Materijal matrica za tlačno lijevanje	51	(2012)	1	117-120
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1557.	<i>I. Mamuzić</i>	Euraxess, Researchers in motion – Solutions for Researchers	51	(2012)	1	28
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1571.	<i>M. Kršulja, Z. Car, H. Radelja</i>	Behaviour of X5 CrNiMo 17-12-2 material during deep drawing process / Ponašanje materijala X5CrNiMo 17-12-2 tijekom procesa dubokog vučenja	51	(2012)	2	203-206-
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1612.	<i>L. Mixtaj, J. Naščáková, E. Weiss, R. Weiss, M. Zawada</i>	Evaluation of return on investment for proposed use of solar systems in Poland / Procjena povratka investicija za predloženo rabljenje solarnih sustava u Poljskoj	51	(2012)	3	361-364
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1618.	<i>I. Mamuzić</i>	Materials – section “A”	51	(2012)	3	383-406-
1619.	<i>I. Mamuzić</i>	Process metallurgy – section “B”	51	(2012)	3	407-416
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1624.	<i>M. Holtzer, B. Grabowska, S. Żymankowska-Kumon, D. Kwaśniewska-Królikowska, R. Dańko, W. SolarSKI, A. Bobrowski</i>	Harmfulness of moulding sands with bentonite and lustrous carbon carriers / Neškodljivost kalupnih pjesaka sa bentonitom i svijetlećim nositeljima ugljika	51	(2012)	4	437-440
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1626.	<i>E. Olejnik, A. Janas, B. Grabowska, M. Kawalec</i>	Effect of carbon addition on functional and mechanical properties of the Ni ₃ Al phase	51	(2012)	4	445-448
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1641.	<i>D. Šoštarić, I. Samardžić, A. Pintarić</i>	Quality monitoring at fusion welding of polyethylene high-density pipes / Nadzor kvalitete elektrofuzijskog zavarivanja polietilenskih cijevi visoke gustoće	51	(2012)	4	505-508

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1642.	<i>T. Pepelnjak, K. Kuzman, I. Kačmarčik, M. Plančak</i>	Recycling of AlMgSi1 aluminium chips by cold compression / Recikliranje krhotina legura aluminija AlMgSi1 pomoću hladnog sabijanja	51	(2012)	4	509-512
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1658.	<i>K. Janovská, Š. Vilamová, P. Besta, A. Samolejová, I. Vozňáková</i>	Determination of complex energy consumption of metallurgical production on the base of mathematical modelling of interdisciplinary linkages / Utvrđivanje kompleksne potrošnje energije metalurške proizvodnje na temelju matematičkog modeliranja interdisciplinarne povezanosti	51	(2012)	4	571-573

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1659.	<i>K. Janovská, Š. Vilamová, I. Vozňáková, A. Samolejová, E. Švecová, P. Besta</i>	Cost management in metallurgical production / Trošak menadžmenta u metalurškoj proizvodnji	51	(2012)	4	574-576
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1669.	<i>H. Dyja, K. Sobczak, A. Kawalek, M. Knapiński</i>	The analysis of the influence of varying types of shape grooves on the behaviour of internal material discontinuities during rolling	52	(2013)	1	35-38
1670.	<i>K. Laber, S. Mróz, P. Sygut, H. Dyja</i>	Analysis of the temperature change over the continuous ingot length on the parameters of round bar rolling process	52	(2013)	1	39-42
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1719.	A. Fornalczyk, M. Saternus	Platinum recovery from used auto catalytic converters in electrorefining process	52	(2013)	2	219-222
1720.	A. Smalcerz, R. Przyłucki	Electromagnetic field analysis of inductor-robot-work-piece system	52	(2013)	2	223-226
1721.	D. Aguirre-Guerrero, A. Juárez-Hernández, M. A. L. Hernández- Rodríguez, R. Morales, I. Ruiz	The effect of pre-strain on fatigue for a high strength low alloy (HSLA) steel	52	(2013)	2	227-230
1722.	A. Nioață	Researches regarding the optimization of thermal treatment depending on hardness for maraging 300 steel	52	(2013)	2	231-234
1723.	R. Przyłucki, A. Smalcerz	Induction heating of gears - pulsing dual-frequency concept	52	(2013)	2	235-238
1724.	M. Knapinski, H. Dyja, A. Kawalek, T. Fraczek, K. Laber	Analysis of the microstructure evolution during thermo-mechanical treatment of the steel plates in grade X80-X100	52	(2013)	2	239-424
1725.	J. Przonoziono, W. Walke, E. Hadasik, J. Szala, J. Wieczorek	Corrosion resistance tests of magnesium alloy WE43 after extrusion	52	(2013)	2	243-246
1726.	D. Dobrota, C. Iancu	Researches regarding structural modifications that appears in the material of tools used for rubber waste attrition	52	(2013)	2	247-250
1727.	B. Davidović, D. Letić, V. Petrović, I. Berković, B. Radulović, D. Z. Živković	The designing of the four – component composition of the blend of the polymer fibres on the basis of the numerical simulation	52	(2013)	2	251-254
1728.	A. Stoić, M. Duspara, B. Kosec, M. Stoić, I. Samardžić	Application of water jet for cutting polymer materials	52	(2013)	2	255-258
1729.	G. Krolczyk, S. Legutko, M. Gajek	Predicting the surface roughness in the dry machining of duplex stainless steel (DSS)	52	(2013)	2	259-262
1730.	T. Lis, P. Musiał, K. Nowacki	Methods of preparing deposits containing iron oxides for recycling	52	(2013)	2	263-266
1731.	M. Saternus, A. Fornalczyk	Possible ways of refining precious group metals (PGM) obtained from recycling of the used auto catalytic converters	52	(2013)	2	267-270
1732.	P. Ranitović, I. Tot, B. Đorović, G. Tepić, V. V. Todić	Logistic model of the security system in the military industry repair sector	52	(2013)	2	271-274
1733.	K. Grzybowska, B. Gajdzik	SECI model and facilitation in change management in metallurgical enterprise	52	(2013)	2	275-278

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1734.	<i>E. Iancu, I. Cibotariu</i>	Theoretical and experimental research on the use of expert systems (ES) in assessing risks of failure in metallurgical companies	52	(2013)	2	279-281
1735.	<i>I. Bostan</i>	Economic opportunities for the exploitation of copper ore in the Romanian Carpathians	52	(2013)	2	282-284
1736.	<i>B. Gajdzik, K. Grzybowska</i>	Internal sources of risk in building employees' attitudes of safe work in metallurgical enterprise	52	(2013)	2	285-288
1737.	<i>Marian Buršak</i>	MONOGRAFIJA / MONOGRAPH Metalurgija, uvijek prosperitet za čovječanstvo Metallurgy, always prosperity for humanity Hrvatsko metalurško društvo / Croatian Metallurgical Society, Zagreb 2012	52	(2013)	2	148
1738.	<i>R. Slavkovic, Z. Jugovic, D. Kozak, A. Veg, R. Radisa, S. Dragicevic, M. Popovic</i>	Simulation of the casting process - a powerful tool for enhanced design of the cutting teeth in surface mining	52	(2013)	3	293-296
1739.	<i>R. Dudek, S. Rosypalová, J. Dobrovská</i>	Influence of temperature and chemical composition on phase transformations of selected oxide melts	52	(2013)	3	297-300
1740.	<i>L. Blacha, G. Siwiec, B. Oleksiak</i>	Loss of aluminium during the process of Ti-Al-V alloy smelting in a vacuum induction melting (VIM) furnace	52	(2013)	3	301-304
1741.	<i>B. Karpe, A. Nagode, B. Kosec, A. Stoić, M. Dolenc, M. Bizjak</i>	Microstructure evolution and thermal stability of rapidly solidified Al-Ni-Co-RE alloy	52	(2013)	3	305-308
1742.	<i>J. Malcharcziková, F. Chmelík, J. Pešička, M. Kursá, M. Pohludka</i>	Non-alloyed Ni3Al based alloys – preparation and evaluation of mechanical properties	52	(2013)	3	309-312
1743.	<i>P. Jonšta, J. Sojka, K. Matocha, Z. Jonšta</i>	The influence of testing methodology and changes of microstructural parameters on resistance of duplex steel to sulphide stress cracking	52	(2013)	3	313-316
1744.	<i>T. Vuherer, M. Dunder, Lj. Milović, M. Zrilić, I. Samardžić</i>	Microstructural investigation of the heat-affected zone of simulated welded joint of P91 steel	52	(2013)	3	317-320
1745.	<i>Gh. Anza, M. Groza Dragomir, S. Paise</i>	Theoretical and experimental contributions regarding the impact on work environment of welding processes in MIG / MAG protective gas medium	52	(2013)	3	321-324
1746.	<i>T. Kubina, J. Kliber, L. Kunčická, M. Berková, J. Horsinka, J. Bořuta</i>	Determination of energy dissipation and process instability in various alloys on the basis of plastometric tests	52	(2013)	3	325-328
1747.	<i>J. Vlcek, V. Tomkova, H. Ovcacikova, F. Ovcacik, M. Topinkova, V. Matejka</i>	Slags from steel production: Properties and their utilization	52	(2013)	3	329-333
1748.	<i>G. Siwiec, B. Oleksiak, P. Folega, T. Matula</i>	Wettability in the liquid Cu-Ag alloy – fireproof material – gas phase system	52	(2013)	3	334-336
1749.	<i>R. Rudolf, B. Budić, D. Stamenković, M. Čolić, A. Ivanič, B. Kosec</i>	Rhodium platings – experimental study	52	(2013)	3	337-340
1750.	<i>M. Badida, M. Gombár, L. Sobotová, J. Kmec</i>	Determination of electroless deposition by chemical nickeling	52	(2013)	3	341-344
1751.	<i>A. Boczkowska, P. Chabera, A.J. Dolata, M. Dyzia, A. Oziębło</i>	Porous ceramic - metal composites obtained by infiltration methods	52	(2013)	3	345-348
1752.	<i>L. Guerra-Fuentes, A. Juarez-Hernandez, M. A. L. Hernandez-Rodriguez, M. Herrera-Trejo</i>	Effect of process parameters on natural aging in a 1004 STEEL	52	(2013)	3	349-351
1753.	<i>I. Pernis, J. Kasala, D. Žabecká</i>	Resistance of weldclads made by flux-cored arc welding technology against erosive wear	52	(2013)	3	352-354
1754.		11 th INTERNATIONAL SYMPOSIUM OF CROATIAN METALLURGICAL SOCIETY MATERIALS AND METALLURGY SHMD '2014	52	(2013)	3	291

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1755.	<i>L. Řeháčková, J. Dobrovská, J. Kalousek</i>	Characterization of chemical heterogeneity of the welded joint of two steels by modelling of diffusion processes	52	(2013)	3	355-358
1756.	<i>A. Gontarz, Z. Pater, K. Drozdowski</i>	Hammer forging process of lever drop forging from AZ31 magnesium alloy	52	(2013)	3	359-362
1757.	<i>T. Nieszporek, P. Boral</i>	The technology of variable-pitch cone worms in plastic extruding presses	52	(2013)	3	363-367
1758.	<i>A. Öz, R. Samur, H. Mindivan, A. Demir, S. Sagioglu, A. K. Yakut</i>	Effect of heat treatment on the wear and corrosion behaviors of a gray cast iron coated with a COLMONOY 88 alloy deposited by high velocity oxygen fuel (HVOF) thermal spray	52	(2013)	3	368-370
1759.	<i>W. Walke, J. Przoncziono</i>	Electrochemical behavior of guidewires made of X10CrNi 18-8 STEEL	52	(2013)	3	371-374
1760.	<i>R. Samur, L. Ozyegin, D. Agaogullari, F. N. Oktar, S. Agathopoulos, C. Kalkandelen, I. Duman, B. Ben-Nissan</i>	Calcium phosphate formation from sea urchin - (<i>brissus latecarinatus</i>) via modified mechano-chemical (ultrasonic) conversion method	52	(2013)	3	375-378
1761.	<i>Z. Jančíková, O. Zimný, P. Košťál</i>	Prediction of metal corrosion by neural networks	52	(2013)	3	379-382
1762.	<i>R. Talar, A. Stoić</i>	Load capacity of hardened gear wheels machined with cubic boron nitride (CBN) wedges	52	(2013)	3	383-386
1763.	<i>Z. Kaláb, B. Pandula, M. Stolárik, J. Kondela</i>	Examples of law of seismic wave attenuation	52	(2013)	3	387-390
1764.	<i>R. Lenort, R. Klepek, P. Wicher, P. Besta</i>	A methodology for determining and controlling the buffers before floating bottlenecks in heavy machinery production	52	(2013)	3	391-394
1765.	<i>G. Tepić, T. Pejakov, B. Lalić, V. Vukadinović, S. Milisavljević</i>	The application of recycled aluminum and plastics in environmental protection	52	(2013)	3	395-398
1766.	<i>D. Bajic, G. Vladimirovich Kuzmenko, I. Samardzic</i>	Welding of rails with new technology of arc welding	52	(2013)	3	399-402
1767.	<i>M. Godec</i>	Progress in the use of the modern research equipment at the institute of metals and technology in Ljubljana	52	(2013)	3	403-409
1768.	<i>M. Antošová, A. Csikósová, K. Čulková, A. Seňová</i>	Benchmarking research of steel companies in Europe	52	(2013)	3	410-412
1769.	<i>Z. Skuza, R. Prusak, C. Kolmasiak</i>	Characteristic of iron and steel industry in terms of membership in the European Union	52	(2013)	3	413-416
1770.	<i>B. Gajdzik</i>	Restructuring of steelworks in direct research	52	(2013)	3	417-420
1771.	<i>B. Gajdzik</i>	The road of polish steelworks towards market success – changes after restructuring process	52	(2013)	3	421-424
1772.	<i>G. Dobrotá, C. Čaruntu</i>	The analysis of the correlation between the economic growth and crude steel production in the period 1991-2011	52	(2013)	3	425-428
1773.	<i>P. Šnapka, M. Mikušová, K. Janovská, A. Samolejová</i>	Simulation model of metallurgical production management	52	(2013)	3	429-431
1774.		Monografija / Monograph; Metalurgija, uvijek prosperitet za čovječanstvo / Metallurgy always Prosperity for Humanity	52	(2013)	3	292
1775.		Additional important warning to authors for journal Metalurgija	52	(2013)	3	382
1776.	<i>I. Mamuzić</i>	10 th INTERNATIONAL SYMPOSIUM OF CROATIAN METALLURGICAL SOCIETY SHMD' 2012/June 17-21 "MATERIALS AND METALLURGY" SUMMARIES OF LECTURE – SUPPLEMENT	52	(2013)	3	432
1777.		11 th INTERNATIONAL SYMPOSIUM OF CROATIAN METALLURGICAL SOCIETY SHMD' 2014	52	(2013)	4	435

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1778.	<i>R. Pyszko, M. Příhoda, J. Burda, P. Fojtík, T. Kubína, M. Vaculík, M. Velička, M. Čarnogurská</i>	Cooling nozzles characteristics for numerical models of continuous casting	52	(2013)	4	437-440
1779.	<i>S. Lasek, E. Mazancová</i>	Influence of thermal treatment on structure and corrosion properties of high manganese triplex steels	52	(2013)	4	441-444
1780.	<i>K. Gryc, B. Smetana, M. Žaludová, K. Michalek, M. Tkadlečková, J. Dobrovská, L. Socha, L. Válek, R. Pachlopnik</i>	Thermal analysis of high temperature phase transformations of steel	52	(2013)	4	445-448
1781.	<i>V. M. Prokhorenko, A. O. Perepichay, I. Mamuzić, A. Čikić</i>	Reduction of longitudinal axial residual stresses in near-root region of circumferential joint of steam pipeline in technological way	52	(2013)	4	449-452
1782.	<i>N. Bajić, D. Bajić, D. Veljić, M. Rakin</i>	Advantage of use of activated flux-cored wire instead of solid wire with the mag welding process from the mechanical properties aspect	52	(2013)	4	453-456
1783.	<i>Gh. Amza, D. Dobrotă, M. Groza Dragomir, S. Paise, Z. Apostolescu</i>	Research on environmental impact assessment of flame oxyacetylene welding processes	52	(2013)	4	457-460
1784.	<i>I. Samarđžić, A. Čikić, M. Dunder</i>	Accelerated weldability investigation of TStE 420 steel by weld thermal cycle simulation	52	(2013)	4	461-464
1785.	<i>O. Chivu</i>	The optimization of the state of welding parameters to obtain metallic structures from the OL 52.4K steel	52	(2013)	4	465-468
1786.	<i>J. Piątkowski, B. Gajdzik</i>	Testing phase changes in Al-Si alloys with application of thermal analysis and differential calorimetric analysis	52	(2013)	4	469-472
1787.	<i>P. Lichý, J. Beňo, M. Cagala, J. Hampl</i>	Thermophysical and thermomechanical properties of selected alloys based on magnesium	52	(2013)	4	473-476
1788.	<i>M. Delošević, J. Tepić, R. Doroslovački, V. Gajić, I. Tanackov</i>	Multidisciplinary analysis of steel plate of variable thickness in view of optimal design	52	(2013)	4	477-480
1789.	<i>D. Nadarević, M. Soković</i>	The influence of the carbon content on the machinability of sintered valve plates	52	(2013)	4	481-484
1790.	<i>L. Socha, J. Bažan, K. Gryc, P. Machovčák, J. Morávka, P. Styrnal</i>	Evaluation of fluxing agents effect on desulphurization in secondary metallurgy under plant conditions	52	(2013)	4	485-488
1791.	<i>L. Dahil, A. Karabulut, S. Baspinar</i>	Damping properties of open pore aluminum foams produced by vacuum casting and NaCl dissolution process	52	(2013)	4	489-492
1792.	<i>J. Lipart, T. Matula, M. Niesler, L. Blacha, J. Filipczyk</i>	Wastes from the coal-enrichment process as alternative reducers for lead smelting from lead-acid accumulator scrap	52	(2013)	4	493-496
1793.	<i>P. Jančík, I. Pavlíková</i>	Metallurgical source-contribution analysis of PM ₁₀ annual average concentration: A dispersion modeling approach in moravian-silesian region	52	(2013)	4	497-500
1794.	<i>S. Sremac, J. Tepić, I. Tanackov, G. Stojić, S. Mladenović, B. Matić</i>	Procurement model for copper and polymer electrical products	52	(2013)	4	501-504
1795.	<i>B. Matić, D. Matić, Đ. Čosić, S. Sremac, G. Tepić, P. Ranitović</i>	A model for the pavement temperature prediction at specified depth	52	(2013)	4	505-508
1796.	<i>J. Drápala, P. Kubíček, G. Kostiuková, P. Jopek</i>	Study of interaction between copper and melt of lead-free solders	52	(2013)	4	509-511
1797.	<i>D. Kramar, M. Sekulić, Z. Jurković, J. Kopač</i>	The machinability of nickel-based alloys in high-pressure jet assisted (HPJA) turning	52	(2013)	4	512-514
1798.	<i>A. K. Serikbayeva, N. Telegusova, B. B. Bekentayev</i>	Recovery of valuable metals from industrial wastes	52	(2013)	4	515-517
1799.	<i>S. G. Anton</i>	Who manages financial risk? An empirical examination of risk management practices in the romanian metallurgical industry	52	(2013)	4	518-520
1800.	<i>M. Niesler, L. Blacha, J. Labaj, T. Matula</i>	A study on the process of fine-grained plumbiferous material agglomeration	52	(2013)	4	521-524

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1801.	<i>S. Rusz, T. Kubina, I. Schindler, B. Smetana, P. Kawulok, M. Cagala</i>	Comparison of methods for physical determination of phase transformations temperatures	52	(2013)	4	525-528
1802.	<i>D. Vykýdal, J. Plura, P. Halfarová, R. Fabík, P. Klaput</i>	Use of quality planning methods in optimizing welding wire quality characteristics	52	(2013)	4	529-532
1803.	<i>N. Šehić-Mušić, Š. Goletić, D. Pihura, L. Mušić, K. Hasanović</i>	Effects of foundry industry on the environment	52	(2013)	4	533-536
1804.	<i>Z. Popović, V. Radović, L. Lazarević, V. Vukadinović, G. Tepić</i>	Rail inspection of RCF defects	52	(2013)	4	537-540
1805.	<i>D. Simić, J. Tepić, V. Gajić, I. Kovačević, B. Lalić</i>	Material and information flows pertaining to aluminum alloy pipe distribution	52	(2013)	4	541-544
1806.	<i>P. Ranitović, G. Tepić, B. Matić, S. Sremac, V. Vukadinović</i>	Functional dependency between the logistics security system and the MySAP ERP in metallurgy	52	(2013)	4	545-548
1807.	<i>D. Malindžák, A. Gazda, M. Malindžáková, D. Vitko</i>	The basic principles and rules for heuristic model creation in metallurgy	52	(2013)	4	549-552
1808.	<i>I. Bostan, I. Pohoata, C. Lazar</i>	State control over commercial transactions with goods from precious metals	52	(2013)	4	553-556
1809.	<i>E. Iancu, T. Socaciu, T. Colomeischi</i>	Selection of human capital in metallurgical companies using information technology (IT)	52	(2013)	4	557-560
1810.	<i>C. Căruntu, G. Dobrotă</i>	The impact of the economic and financial crisis on the foreign trade in metallurgical products	52	(2013)	4	561-564
1811.	<i>W. Sroka, A. Jabłoński, M. Jabłoński</i>	Cooperative business models in steel enterprises in Poland	52	(2013)	4	565-568
1812.	<i>B. Gajdzik</i>	Changes of action strategies in metallurgical enterprises in time of economic crisis	52	(2013)	4	569-572
1813.	<i>I. Tanackov, F. Sinani, V. Bogdanović, Đ. Čosić, B. Lalić</i>	Metastability – markovian approach	52	(2013)	4	573-576
1814.		Monografija / Monograph; Metalurgija, uvijek prosperitet za čovječanstvo / Metallurgy always Prosperity for Humanity	52	(2013)	4	436
1815.		Additional important warning to authors for journal Metalurgija	52	(2013)	4	484
1816.	<i>Urednički odbor časopisa Metalurgija</i>	53-a godina tiskanja časopisa Metalurgija uz 30-u godinu Glavnog i odgovornog urednika Akad. Ilije Mamuzića 53 rd Year of the Publishing of the Journal Metalurgija at 30 th Year of Editor-in-chief Acad. Ilija Mamuzić	53	(2014)	1	5-8
1817.	<i>R. Findorák, M. Fröhlichová, J. Legemza</i>	Potential of ilmenite sand application in the iron ore materials agglomeration	53	(2014)	1	9-12
1818.	<i>R. Sunulahpašić, M. Oruč, M. Hadžalić, A. Gigović-Gekić</i>	Analysis of the influence of chemical composition and temperature on mechanical properties of superalloys NIMONIC 80A	53	(2014)	1	13-16
1819.	<i>W. J. Tao, Z. W. Wang, B. L. Gao, Z. N. Shi, X. W. Hu, J. Z. Cui</i>	Numerical simulation electric distribution in aluminum reduction cell with vertical collector bars	53	(2014)	1	17-20
1820.	<i>D. Klobčar, J. Tušek, A. Skumavc, A. Smolej</i>	Parametric study of friction stir spot welding of aluminium alloy 5754	53	(2014)	1	21-24
1821.	<i>P. Mohyla, Z. Kubon, R. Cep, A. Janasek, I. Samardžic</i>	Secondary hardening of low-alloyed creep-resistant steel welds	53	(2014)	1	25-28
1822.	<i>P. Hreha, S. Hloch, P. Monka, K. Monková, L. Knapčíková, P. Hlaváček, M. Zeleňák, I. Samardžić, D. Kozak</i>	Investigation of sandwich material surface created by abrasive water jet (AWJ) via vibration emission	53	(2014)	1	29-32
1823.	<i>W. Grzesik, P. Kiszka, D. Kowalczyk, K. Żak, J. Rech</i>	Investigation of the machining process of spheroidal cast iron using cubic boron nitride (CBN) tools	53	(2014)	1	33-36

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1824.	<i>M. Niesler, J. Stecko, L. Blacha, B. Oleksiak</i>	Application of fine-grained coke breeze fractions in the process of iron ore sintering	53	(2014)	1	37-40
1825.	<i>A. W. Orłowicz, M. Mróz, M. Tupaj</i>	Service life of a pressure mould with heat-barrier and anti-erosion coating	53	(2014)	1	41-43
1826.	<i>B. K. Shayakhmetov, B. M. Kimanov, E. B. Ten, A. Z. Issagulov, Zh. D. Zholdubayeva, D. A. Issagulova</i>	Gravimetric and dilatometric research of elements action on three dimensional filter by themal effects	53	(2014)	1	44-46
1827.	<i>M. Gombar, L. Sobotova, M. Badida, J. Kmec</i>	The comparison of possibilities at using of different electrolytes in the process of anodizing aluminum	53	(2014)	1	47-50
1828.	<i>L. Blacha, J. Mizera, P. Folega</i>	The effects of mass transfer in the liquid phase on the rate of aluminium evaporation from the Ti-6Al-7Nb alloy	53	(2014)	1	51-54
1829.	<i>J. Pezda</i>	Modification of the EN AC-42000 aluminium alloy with use of multicomponent electrolysis of sodium salt	53	(2014)	1	55-58
1830.	<i>M. Gombár, J. Kmec, M. Badida, L. Sobotová, A. Vagaská, P. Michal</i>	The simulation of the temperature effects on the microhardness of anodic alumina oxide layers	53	(2014)	1	59-62
1831.	<i>J. Pezda</i>	The effect of the T6 heat treatment on hardness and microstructure of the en AC-42000 aluminium alloy	53	(2014)	1	63-66
1832.	<i>B. Mateša, I. Samardžić, M. Dundđer</i>	Effect of solution annealing on properties of used reformer centrifugally casted tubes prior to repair by welding	53	(2014)	1	67-70
1833.	<i>Gh. Amza, C. Babis, D. Nitoi</i>	The influence of the specific rehabilitation techniques „toegrindig” and „WIG remelting” in case of welded structure	53	(2014)	1	71-74
1834.	<i>I. Leško, P. Flegner, J. Futó, Z. Sabová</i>	Utilization of signal spaces for improvement of efficiency of metallurgical process	53	(2014)	1	75-77
1835.	<i>R. Lenort, R. Klepek, A. Samolejová, P. Besta</i>	Production paths – an innovative concept for heavy machinery production planning and control	53	(2014)	1	78-80
1836.	<i>D. Noskiewiczová, B. Woska</i>	Design of methodology for application of statistical control on short run processes in metallurgy	53	(2014)	1	81-84
1837.	<i>V. Vávrová, E. Weiss, P. Červenka, V. Ferencz, J. Naščáková</i>	Possibilities and problems of using pupillary reflex for subconscious detection of consumer preferences	53	(2014)	1	85-88
1838.	<i>L. Dahil, I. Dahil, A. Karabulut</i>	The implementation of the high technology methods of cutting on St 50 alloyed steel and the examination of the effects of cutting operation at the surface of material	53	(2014)	1	89-92
1839.	<i>P. Besta, A. Samolejová, R. Lenort, F. Zapletal</i>	Innovative application of mathematical methods in evaluation of ore raw materials for production of iron	53	(2014)	1	93-96
1840.	<i>B. Gajdzik</i>	Constructs of analysis and assessment model of transformation restructuring in steel plants	53	(2014)	1	97-100
1841.	<i>W. Sroka, J. Cygler, B. Gajdzik</i>	Knowledge transfer in networks – the case of steel enterprises in Poland	53	(2014)	1	101-104
1842.	<i>M. Bartko, J. Baláž, B. Pandula</i>	Slovak Republic repository of radioactive waste	53	(2014)	1	105-108
1843.	<i>A.G. Babucea, M. Zaharia, A. Bălăcescu</i>	An analysis of the turnover index evolution in metallurgy during 2000-2012, the case of Romania	53	(2014)	1	109-112
1844.	<i>V. A. Popescu, Gh. N. Popescu, C. R. Popescu</i>	The economic and social dimensions of Romania's metallurgical industry	53	(2014)	1	113-115
1845.	<i>M. V. Achim, S. N. Borlea</i>	Corporate governance in Romanian metallurgy industry	53	(2014)	1	116-118
1846.	<i>B. Gajdzik, K. Grzybowska</i>	Qualifications versus useful knowledge in metallurgical enterprise	53	(2014)	1	119-122
1847.	<i>S. Bakalarczyk, P. Pomykalski, A. Samolejova</i>	Innovation management in metallurgical enterprises	53	(2014)	1	123-126
1848.	<i>K. Grzybowska, B. Gajdzik</i>	Logistic strategies in purchasing process of metallurgical companies	53	(2014)	1	127-130
1849.	<i>B. Gajdzik</i>	Development of market strategies of metallurgical enterprises after restructuring of steel industry	53	(2014)	1	131-134
1850.	<i>B. Gajdzik, J. Sitko</i>	An analysis of the causes of complaints about steel sheets in metallurgical product quality management systems	53	(2014)	1	135-138

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1851.	<i>P. Pomykalski, S. Bakalarczyk, A. Samolejova</i>	Benchmarking polish basic metal manufacturing companies	53	(2014)	1	139-141
1852.	<i>K. Janovská, Š. Vilamová, J. Gajda, A. Samolejová, M. Stoch</i>	Anti-dumping proceedings in metallurgical brand	53	(2014)	1	142-144
1853.	<i>I. Mamuzić</i>	Zahvala recenzentima 52(2013) 1-4 Acknowledgement to Reviewers 52(2013) 1-4	53	(2014)	1	4
1854.	<i>I. Mamuzić</i>	Additional important warning to authors for journal Metalurgija	53	(2014)	1	40
1855.	<i>M. Copur, M. N. Eruslu</i>	Finite volume modeling of the solidification of an axial steel cast impeller	53	(2014)	2	149-154
1856.	<i>T. Merder, J. Pieprzyca, M. Saternus</i>	Analysis of residence time distribution (RTD) curves for t-type tundish equipped in flow control devices: physical modelling	53	(2014)	2	155-158
1857.	<i>D. Jančar, M. Klárová, P. Tvardek, J. Vlček, P. Hašek, F. Ovčačík</i>	Utilization of casting ladle lining enthalpy for heating gas savings in the course of ladle preheating	53	(2014)	2	159-162
1858.	<i>P. Váňová, J. Sojka</i>	Hydrogen embrittlement of duplex steel tested using slow strain rate test	53	(2014)	2	163-166
1859.	<i>O. Savytsky, M. Savytsky, D. Bajić, Y. Shkrabalyur</i>	Influence of the impurities on the depth of penetration with carbon steel weldings	53	(2014)	2	167-170
1860.	<i>B. Zorc, M. Imamović, A. Nagode, A. Stoić, B. Kosec, I. Samardžić, L. Kosec</i>	Effect of nonmetallic inclusions on steel welds metal hot cracking	53	(2014)	2	171-174
1861.	<i>P. Mohyla, Z. Kubon, R. Cep, I. Samardžić</i>	Evaluation of creep properties of steel P92 and its welded joint	53	(2014)	2	175-178
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1863.	<i>J. G. He, Y. Li, X. X. Xue, H. Q. Ru, X. W. Huang, H. Yang</i>	Removal of fluoride from fluoride-bearing cerium sulfate solution by hydrous zirconium oxide	53	(2014)	2	183-185
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1865.	<i>M. Ilić, I. Budak, B. Kosec, A. Nagode, J. Hodolić</i>	The analysis of particles emission during the process of grinding of steel EN 90MNV8	53	(2014)	2	189-192
1866.	<i>J. David, P. Švec, R. Frischer, R. Garzinová</i>	The computer support of diagnostics of circle crystallizers	53	(2014)	2	193-196
1867.	<i>Z. Janjušević, Z. Gulišija, M. Mihailović, A. Patarić</i>	Processes at the interface molten metal-sand mold	53	(2014)	2	197-200
1868.	<i>A. Mahmutović</i>	Effects of high cooling rates on the improvement of continuous steel casting microstructure	53	(2014)	2	201-204
1869.	<i>M. Saternus, T. Merder, J. Pieprzyca</i>	Physical modelling of removing hydrogen from liquid aluminium conducted in URC-7000 reactor	53	(2014)	2	205-208
1870.	<i>J. K. Skotnicová, J. Drápala, M. Madaj, V. M. Kirillova</i>	The effect of crystallization conditions on tantalum distribution in molybdenum and tungsten during electron beam zone melting	53	(2014)	2	209-211
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1872.	<i>J. Łabaj, G. Siwiec, L. Blacha, R. Burdżik</i>	The role of a gas phase in the evaporation process of volatile components of the metal bath	53	(2014)	2	215-217
1873.	<i>A. Juarez-Hernandez, R. Benavides-Treviño, O. Barceinas-Sanchez, M. Hernandez-Rodriguez, R. Almaguer</i>	Study of process parameters on aluminium foam formation in the Al-6Si-3Mg alloy	53	(2014)	2	218-220
1874.	<i>J. Pezda</i>	Influence of heat treatment parameters on the mechanical properties of hypoeutectic Al-Si-Mg alloy	53	(2014)	2	221-224

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1875.	<i>G. Siwiec, J. Mizera, D. Jama, A. Szmaj, R. Burdžik</i>	The effects of temperature on the kinetics of aluminium evaporation from the Ti-6Al-4V alloy	53	(2014)	2	225-227
1876.	<i>J. Willner, A. Fornalczyk</i>	Extraction of copper from solution after bioleaching of printed circuit boards (PCBs)	53	(2014)	2	228-230
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1878.	<i>L. Dahil, I. Dahil</i>	Comparison of heat effects associated with metal cutting method on ST 37 alloy steel	53	(2014)	2	235-238
1879.	<i>A. Stoić, M. Duspara, B. Kosec, M. Stoić, I. Samardžić</i>	The influence of mixing water and abrasives on the quality of machined surface	53	(2014)	2	239-242
1880.	<i>T. Vuherer, M. Zrilić, Lj. Milović, I. Samardžić, V. Gliha</i>	Suitability of heat treatment for crack resistance of material in the connection part of heavy transporter for liquid slag	53	(2014)	2	243-246
1881.	<i>A. Csikósová, M. Antošová, R. Weiss</i>	Model of efficiency improvement in purchasing strategic raw material in a metallurgical company	53	(2014)	2	247-250
1882.	<i>C. Babis, O. Chivu, D. Dobrotá</i>	Finite element type of stress analysis for parts based on S235 JR steel welding	53	(2014)	2	251-253
1883.	<i>K. Sienkiewicz-Małyjurek</i>	Impact of climate changes on the european industry	53	(2014)	2	254-256
1884.	<i>B. Gajdzik, E. Michłowicz, B. Zwolińska, P. Kisiel</i>	Model of truly closed circuit of waste stream flow in metallurgical enterprise	53	(2014)	2	257-260
1885.	<i>M. V. Achim, S. N. Borlea</i>	Elaborating a global diagnosis of a company in metallurgy industry	53	(2014)	2	261-264
1886.	<i>K. Dohn</i>	The configurational approach in supply chain management (SCM) of steel goods	53	(2014)	2	265-268
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1890.	<i>S. N. Borlea, M. V. Achim</i>	Assessing bankruptcy risk for romanian metallurgical companies	53	(2014)	2	279-282
1891.	<i>J. Kutáč, K. Janovská, A. Samolejová, P. Besta</i>	Innovation of costing system in metallurgical companies	53	(2014)	2	283-285
1892.	<i>J. Zuzik, R. Weiss, M. Antošová</i>	Use of technical analysis indicators at trading shares of steel companies	53	(2014)	2	286-288
1893.	<i>I. Mamuzić</i>	Godišnja skupština Hrvatskog metalurškog društva (HMD) Annual Assambly of Croatian Metallurgical Society (CMS)	53	(2014)	2	148
1894.	<i>L. Dahil, I. Dahil</i>	Comparison of advanced cutting techniques on hardox 500 steel material and the effect of structural properties of the material	53	(2014)	3	291-294
1895.	<i>K. Gryc, B. Smetana, M. Tkadlečková, M. Žaludová, K. Michalek, L. Socha, J. Dobrovská, K. Janiszewski, P. Machovčák</i>	Determination of solidus and liquidus temperatures for S34MnV steel grade by thermal analysis and calculations	53	(2014)	3	295-298
1896.	<i>P. Kawulok, R. Kawulok, I. Schindler, S. Rusz, J. Kliber, P. Unucka, K. M. Čmiel</i>	Credibility of various plastometric methods in simulation of hot rolling of the steel round bar	53	(2014)	3	299-302
1897.	<i>P. Lichý, J. Beňo, P. Lackova, M. Morys</i>	Influence of ecologically friendly cores on surface quality of castings based on magnesium alloys	53	(2014)	3	303-306
1898.	<i>S. Gil, J. Góral, J. Ochman, M. Saternus</i>	An experimental gasodynamic study of a model of furnace for ferroalloy production	53	(2014)	3	307-310

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1899.	W. J. Tao, Z. W. Wang, B. L. Gao, Z. N. Shi, X. W. Hu, J. Z. Cui	Numerical simulation of sludge influence on horizontal electric in metal pad of aluminum reduction cell	53	(2014)	3	311-313
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1902.	Y. Li, J. G. He, X. X. Xue, H. Q. Ru, X. W. Huang, H. Yang	Extraction and separation of CERIUM(IV)/FLUORINE in fluoride-bearing cerium sulfate solution with fluoride coordination agent	53	(2014)	3	320-322
1903.	T. Merder, M. Saternus, M. Warzecha, P. Warzecha	Validation of numerical model of a liquid flow in a tundish by laboratory measurements	53	(2014)	3	323-326
1904.	J. Pieprzycza, T. Merder, M. Saternus	Physical modelling of the process of mixing liquid metal in a tundish blown by gas	53	(2014)	3	327-330
1905.	B. Panic, K. Janiszewski	Model investigations 3D of gas-powder two phase flow in descending packed bed in metallurgical shaft furnaces	53	(2014)	3	331-334
1906.	M. Dunđer, T. Vuherer, I. Samardžić	Weldability of microalloyed high strength steels TStE 420 and S960QL	53	(2014)	3	335-338
1907.	K. Janiszewski, B. Panic	Industrial investigations of the liquid steel filtration	53	(2014)	3	339-342
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1909.	R. Perić, Z. Karastojković, Z. Kovačević, Z. Janjušević, D. Gusković	Tempering/ageing in region 50 – 600 °C of quenched and cold deformed 585 GOLD alloy for jewelry production	53	(2014)	3	34-348
1910.	A. Fornalczyk, M. Saternus, J. Willner	The influence of platinum washing-out time on its recovery from used auto catalytic converters	53	(2014)	3	349-352
1911.	A. Janus, M. Stachowicz	Thermodynamic stability of austenitic Ni-Mn-Cu cast iron	53	(2014)	3	353-356
1912.	I. Szurman, R. Kocich, M. Kurska	Using of ultrasonic methods for determination of the elastic moduli on the Ti-Ni based alloys	53	(2014)	3	357-360
1913.	N. Bajić, D. Bajić, D. Veljić, M. Rakin, Z. Janjušević	The advantages of using activated flux-cored wire compared to solid wire in the MAG welding process from the aspect of metallurgical characteristics	53	(2014)	3	361-364
1914.	D. Burchart-Korol, J. Korol, A. Smoliński	Chemical composition analysis of raw materials used in iron ore sinter plants in Poland	53	(2014)	3	365-367
1915.	K. Janovská, A. Samolejová, Z. Stefanovová	The specification of documentation for anti-dumping investigation in metallurgy using ABC costing method	53	(2014)	3	368-370
1916.	P. R. Răchișan, S. R. Berinde, C. Boța-Avram, A. Groșanu	Bankruptcy risk forecasting for the metallurgical branch in Romania	53	(2014)	3	371-374
1917.	R. S. Berinde, P. R. Răchișan, C. Boța-Avram, A. Groșanu	Determinant factors for the growing of shareholders' equity in the metallurgical sector in Romania	53	(2014)	3	375-378
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1924.	I. Mamuzić	Materials – section “A”	53	(2014)	3	401-409

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1925.	<i>I. Mamuzić</i>	Process metallurgy – section “B”	53	(2014)	3	410-420
1926.	<i>I. Mamuzić</i>	Plastic processing – section “C”	53	(2014)	3	421-423
1927.	<i>I. Mamuzić</i>	Metallurgy and related topics – section “D”	53	(2014)	3	424-431
1928.		Additional important warning to authors for Journal Metalurgija	53	(2014)	3	432
1929.	<i>Urednički odbor / Editorial Board</i>	30 godina kao Glavni i odgovorni urednik / 30 years as Editor-in-chief of Metalurgija Acad. Ilija Mamuzić, D. Sc. D.h.c. Prof. h.c.	53	(2014)	4	437-438
1930.	<i>M. Warzecha, T. Merder, P. Warzecha</i>	Effect of the structural parameters changes in the multi-strand tundish on the non-metallic inclusions distribution and separation	53	(2014)	4	439-442
1931.	<i>T. Merder</i>	Influence of design parameters of tundish and technological parameters of steel continuous casting on the hydrodynamics of the liquid steel flow	53	(2014)	4	443-446
1932.	<i>S. Gil, J. Góral, J. Ochman, M. Saternus, W. Bialik</i>	An experimental study on the air delivery and gas removal method in a model of furnace for ferroalloy production	53	(2014)	4	447-450
1933.	<i>M. Holtzer, A. Bobrowski, R. Daňko, A. Kmita, S. Żymankowska-Kumon, M. Kubecki, M. Górný</i>	Emission of polycyclic aromatic hydrocarbons (PAHs) and benzene, toluene, ethylbenzene and xylene (BTEX) from the furan moulding sands with addition of the reclaim	53	(2014)	4	451-454
1934.	<i>W. Huaifang, G. Wenbang, L. Jijun</i>	Improve the humidity resistance of sodium silicate sands by ester-microwave composite hardening	53	(2014)	4	455-458
1935.	<i>K. Smyksy, A. Kmita, B. Hutera, D. Drożyński, B. Stypuła, M. Hajos, M. Starowicz</i>	Cohesion and adhesion properties of modified water glass with colloidal solutions of ZnO	53	(2014)	4	459-462
1936.	<i>Y. H. Liu, J. C. Zuo, X. F. Ren, L. Yong</i>	Synthesis and character of cerium oxide (CeO ₂) nanoparticles by the precipitation method	53	(2014)	4	463-465
1937.	<i>S. Bulatović, Lj. Milović, A. Sedmak, I. Samardžić</i>	Identification of low cycle fatigue parameters of high strength low-alloy (HSLA) steel at room temperature	53	(2014)	4	466-468
1938.	<i>J. Ferčec, D. Jenko, B. Buchmeister, F. Rojko, B. Budič, B. Kosec, R. Rudolf</i>	Microstructure of NiTi orthodontic wires observations using transmission electron microscopy	53	(2014)	4	469-472
1939.	<i>E. Spišák, J. Majerníková, J. Slota</i>	Change of ears creation of AHSS steels after heat treatment of zinc coating	53	(2014)	4	473-476
1940.	<i>S. Bulatović, Z. Burzić, V. Aleksić, A. Sedmak, Lj. Milović</i>	Impact of choice of stabilized hysteresis loop on the end result of investigation of high-strength low-alloy (HSLA) steel on low cycle fatigue	53	(2014)	4	477-480
1941.	<i>M. Drobne, T. Vuherer, I. Samardžić, S Glodež</i>	Fatigue crack growth and fracture mechanics analysis of a working roll surface layer material	53	(2014)	4	481-484
1942.	<i>T. Bajor, M. Krakowiak, P. Szota</i>	Numerical analysis of AZ61 magnesium alloy extrusion process by modified equal channel angular extrusion (ECAE) method	53	(2014)	4	485-488
1943.	<i>A. Gryc, T. Bajor, H. Dyja, S. Sawicki, K. Laber</i>	Physical modelling of plastic deformation conditions for the rolling proces of AZ31 bars in a three high skew rolling mill	53	(2014)	4	489-492
1944.	<i>M. Stańczyk, T. Figlus</i>	The influence of the hardening coolant agent on the properties of hot rolled bars of the steel 42CrMo4	53	(2014)	4	493-496
1945.	<i>G. Samołyk</i>	Numerical investigation of producing a Ti6Al4V alloy jaw coupling sleeve-disk by orbital forging	53	(2014)	4	497-500
1946.	<i>H. Dyja, K. Sobczak, A. Kawalek</i>	The influence of the shape of grooves on the behavior of internal material discontinuities in continuous S355J2G3 steel strands during rolling	53	(2014)	4	501-504
1947.	<i>T. Bulzak, J. Tomczak, Z. Pater</i>	Forming a lever preform made of aluminium alloy 2014	53	(2014)	4	505-508
1948.	<i>D. Klobčar, J. Tušek, M. Bizjak, V. Lešer</i>	Micro friction stir welding of copper electrical contacts	53	(2014)	4	509-512
1949.	<i>N. Ratković, R. Nikolić, I. Samardžić</i>	Structural, chemical and deformation changes in friction welded joint of dissimilar steels	53	(2014)	4	513-516

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1950.	A. Skumavc, J. Tušek, M. Mulc, D. Klobčar	Problems in laser repair welding of polished surfaces	53	(2014)	4	517-520
1951.	K. Žak, W. Grzesik, M. Prazmowski	Investigation of sequential cryogenic hard turning and ball burnishing processes	53	(2014)	4	521-525
1952.	P. Frankovský, F. Šimčák	Analysis of residual stresses on the transverse beam of a casting stand by means of drilling method	53	(2014)	4	526-528
1953.	G. Krolczyk, P. Nieslony, S. Legutko, A. Stoic	Microhardness changes gradient of the duplex stainless steel (DSS) surface layer after dry turning	53	(2014)	4	529-532
1954.	P. Hreha, A. Radvanská, J. Cárach, D. Lehocká, K. Monková, G. Krolczyk, A. Ruggiero, I. Samardžić, D. Kozak, S. Hloch	Monitoring of focusing tube wear during abrasive waterjet (AWJ) cutting of AISI 309	53	(2014)	4	533-536
1955.	S. Hloch, J. Hlaváček, K. Vasilko, J. Cárach, I. Samardžić, D. Kozak, I. Hlavatý, J. J. Ščučka, I. Klich, D. Klichová	Abrasive waterjet (AWJ) titanium tangential turning evaluation	53	(2014)	4	537-540
1956.	P. Frankovský, F. Trebuňa	Application of photostress method in stress analysis of a rotating disc	53	(2014)	4	541-544
1957.	T. Karkoszka, M. Soković	Risk based on quality, environmental and occupational safety in heat treatment processes	53	(2014)	4	545-548
1958.	P. Besta, A. Samolejová, R. Lenort, K. Janovská, J. Kutáč, A. Sikorová	Alkaline carbonates in blast furnace process	53	(2014)	4	549-552
1959.	C. Kolmasiak, I. Nowodzińska-Budzik, R. Budzik	Management of the pig iron Si and slag CaO/SiO ₂ technological indicators in order to produce pig iron with a titanium content below 0,02 %Ti	53	(2014)	4	553-555
1960.	T. K. Balgabekov, D. K. Issin, B. M. Kimanov, A. Z. Issagulov, Zh. D. Zholdubayeva, A. Z. Akashev, B. D. Issin	Studying and improving blast furnace cast iron quality	53	(2014)	4	556-558
1961.	J. Korol, D. Burchart-Korol, A. Smoliński	Harmful admixtures assessment in sinter mixtures used in iron ore sinter plants in Poland	53	(2014)	4	559-562
1962.	A. D. Mekhtiev, M. J. Tolymbekov, A. V. Kim, Zh. D. Zholdubaeva, D. K. Issin, A. Z. Issagulov, B. D. Issin	Silicon production using long flaming coal and improvement of its quality indicators	53	(2014)	4	563-566
1963.	M. Dudek	The model for the calculation of the dispersed iron ore resource purchase cost in the world class manufacturing (WCM) logistics pillar context	53	(2014)	4	567-570
1964.	K. Miłkowska-Piszczek, J. Falkus	Calculation of the boundary conditions in the continuous casting of steel process	53	(2014)	4	571-753
1965.	L. Blacha, K. Michalek, A. Smalcerz, M. Warzecha	Effects of a bath composition on aluminium loss during Ti-Al alloy smelting in a vacuum induction furnace	53	(2014)	4	574-576
1966.	K. Nowińska, Z. Adamczyk, E. Melaniuk-Wolny	Pyrometallurgical slags as a potential source of selected metals recovery	53	(2014)	4	577-580
1967.	T. K. Balgabekov, S. O. Baissanov, D. K. Issin, Zh. D. Zholdubayeva, A. Z. Akashev, A. S. Baissanov, B. D. Issin	Studying properties of carbonaceous reducers and process of forming primary titanium slags	53	(2014)	4	581-584
1968.	G. Siwiec, B. Oleksiak, T. Matuła, L. Socha, W. Stanek	Reduction of copper slag with the use of carbon granulates	53	(2014)	4	585-587
1969.	T. Mikuszewski	Melting and casting of ingots made of an Mg - Li type alloys	53	(2014)	4	588-590

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1970.	<i>G. Solenicki, I. Budic, I. Kladaric, D. Novoselovic</i>	Compressive stresses of mould mixture	53	(2014)	4	591-593
1971.	<i>I. Budic, D. Novoselovic, I. Samardzic</i>	Influence of process parameters on castability at full mold casting	53	(2014)	4	594-596
1972.	<i>A. D. Mekhtiev, A. G. Kosnikov, D. K. Issin, Zh. D. Zholdubaeva, B. D. Issin</i>	Long - range foundry Al composite alloys	53	(2014)	4	597-600
1973.	<i>A. Issagulov, V. Kulikov, D. Issagulova, E. Shcherbakova, A. Kuzhanova</i>	Developing technological process of obtaining giality casts	53	(2014)	4	601-604
1974.	<i>B. Oleksiak, G. Siwiec, A. Blacha-Grzechnik, J. Wieczorek</i>	The obtained of concentrates containing precious metals for pyrometallurgical processing	53	(2014)	4	605-608
1975.	<i>A. Fornalczyk, J. Cebulski, M. Saternus, J. Willner</i>	Possibilities of platinum recovery from metal supported spent auto catalysts	53	(2014)	4	609-612
1976.	<i>B. Kalandyk, R. Zapala, S. Sobula, M. Górny, Ł. Boroń</i>	Characteristics of low nickel ferritic-austenitic corrosion resistant cast steel	53	(2014)	4	613-616
1977.	<i>J. Piątkowski, M. Jabłońska</i>	Analysis of material reliability of AlSi17Cu5 alloy using statistical weibull distribution	53	(2014)	4	617-620
1978.	<i>A. Z. Issagulov, S. S. Kvon, V. Yu. Kulikov, A. A. Sakbossynova</i>	Cr - Ni system alloys composition impact on durability value	53	(2014)	4	621-623
1979.	<i>A. S. Tawengi, A. Sedmak, V. Grabulov</i>	Cold weld cracking susceptibility of high strength low alloyed (HSLA) steel NIONIKRAL 70	53	(2014)	4	624-626
1980.	<i>M. Dunder, T. Vuherer, I. Samardžić</i>	Weldability prediction of high strength steel S960QL after weld thermal cycle simulation	53	(2014)	4	627-630
1981.	<i>J. Tušek, A. Skumavc, K. Pompe, D. Klobčar</i>	Refurbishment of damaged tools using the combination of GTAW and laser beam welding	53	(2014)	4	631-633
1982.	<i>S. M. Ban'ko, S. V. Kobel'skii, I. Samardžić</i>	The stress-strain state of the cracked welded joint between the header and the shell of PGV-1000M steam generator	53	(2014)	4	634-636
1983.	<i>M. Dunder, T. Vuherer, I. Samardžić</i>	Impact energy analysis of quenched and tempered fine grain structural steel specimens after weld thermal cycle simulation	53	(2014)	4	637-640
1984.	<i>J. Bartnicki</i>	FEM analysis of hollow hub forming in rolling extrusion process	53	(2014)	4	641-644
1985.	<i>A. Gontarz</i>	Theoretical and experimental research of hammer forging process of RIM from AZ31 magnesium alloy	53	(2014)	4	645-648
1986.	<i>J. Tomczak</i>	Rotary compression process for producing toothed hollow shafts	53	(2014)	4	649-652
1987.	<i>Z. Pater</i>	Analysis of the helical-wedge rolling process for producing a workholding bolt	53	(2014)	4	653-656
1988.	<i>G. Paraschiv, D. Dobrotă</i>	Research on deformations which appear in within the metal structures of mining equipment	53	(2014)	4	657-660
1989.	<i>J. Brezinová, A. Guzanová, E. Spišák</i>	Assessment of properties thermal sprayed coatings realised using cermet blend powder	53	(2014)	4	661-664
1990.	<i>B. Matić, D. Matić, S. Sremac, N. Radović, P. Viđikant</i>	A model for the pavement temperature prediction at specified depth using neural networks	53	(2014)	4	665-667
1991.	<i>C. Căruntu, L. M. Lăpăduși</i>	Reflection of the economic rate of return in the efficiency use of the fixed and current assets with study case in mettallurgy	53	(2014)	4	668-672
1992.	<i>T. Figlus, M. Stańczyk</i>	Diagnosis of the wear of gears in the gearbox using the wavelet packet transform	53	(2014)	4	673-676
1993.	<i>I. Tepić, G. Tepić, P. Viđikant, T. Pejakov, R. Kulundžić</i>	Reducing harmful effects of metals in water	53	(2014)	4	677-680
1994.	<i>D. Živanić, G. Vujić, B. Kosec, A. Stoić</i>	Material flow enhancement in production assembly lines under application of zoned order picking systems	53	(2014)	4	681-684

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1995.	A. Z. Issagulov, V. A. Kim, S. S. Kvon, V. Yu. Kulikov, A. U. Tussupova	Production of technical silicon and silicon carbide from rice-husk	53	(2014)	4	685-688
1996.	N. Stojić, M. Pucarević, D. Mrkajić, I. Kecojić	Transformers as a potential for soil contamination	53	(2014)	4	689-692
1997.	S. Sremac, P. Gladović, M. Delošević, B. Matić, A. Matić	Development of polymer packaging for power cable	53	(2014)	4	693-696
1998.	M. Holtzer, R. Daňko, S. Żymankowska- Kumon	The state of art and foresight of world's casting production	53	(2014)	4	697-700
1999.	M. Butlewski, A. Misztal, M. Jasiulewicz- Kaczmarek, S. Janik	Ergonomic and work safety evaluation criteria of process excellence in the foundry industry	53	(2014)	4	701-704
2000.	J. Kliber	Some viewpoints of materials forming technology	53	(2014)	4	705-708
2001.	R. Wolniak, B. Skotnicka-Zasadzien	The use of value stream mapping to introduction of organizational innovation in industry	53	(2014)	4	709-712
2002.	K. Plunder, I. Vozňáková, A. Samolejová, K. Janovská	Export, import, production and use of wire in the Czech Republic	53	(2014)	4	713-716
2003.	M. Tomičić-Torlaković	Guidelines for the rail grade selection	53	(2014)	4	717-720
2004.	Z. Popović, L. Lazarević, Lj. Brajović, P. Gladović	Managing rail service life	53	(2014)	4	721-724
2005.	S. Saniuk, A. Saniuk, R. Lenort, A. Samolejova	Formation and planning of virtual production networks (VPN) in metallurgical clusters	53	(2014)	4	725-727
2006.	M. Mikušová, P. Horváthová, K. Janovská, A. Samolejová	The application of winning key metrics in a metallurgical firm	53	(2014)	4	728-730
2007.	I. Bostan	Investment gold: exemption from tax (VAT) in the Romanian fiscal system	53	(2014)	4	731-733
2008.	I. Mamuzić	Additional important warning to authors for Journal Metalurgija	53	(2014)	4	734
2009.	I. Mamuzić	11 th Symposium "Materials and Metallurgy" – Abstracts / Sažetci: Supplement – Dopuna	53	(2014)	4	735-736
2010.	I. Mamuzić	12 th Symposium "Materials and Metallurgy" – 2016 y	53	(2014)	4	736
2011.	I. Mamuzić	12 th International Symposium of Croatian Metallurgical Society, June 19-23, 2016 FIRST CIRCULAR – CALL FOR PAPERS	54	(2015)	1	5-7
2012.	I. Mamuzić	Minutes of the Meeting of the Editorial Board of the Journal Metalurgija, June 23, 2014	54	(2015)	1	9-10
2013.	M. Górný, R. Daňko, M. Holtzer	The effects of the metal temperature and wall thickness on flake graphite layer in ductile iron	54	(2015)	1	11-14
2014.	J. Zych, J. Kolczyk, Ł. Jamrozowicz	The influence of the shape of wax pattern on the kinetics of drying of ceramic moulds	54	(2015)	1	15-18
2015.	A. Vaško, L. Trško, R. Konečná	Fatigue behaviour of synthetic nodular cast irons	54	(2015)	1	19-22
2016.	Ł. Jamrozowicz, J. Zych, J. Kolczyk	The drying kinetics of protective coatings used on sand molds	54	(2015)	1	23-26
2017.	M. Saternus, T. Merder	A Flow rate of gas versus the level of gas dispersion in physical model of continuous refining reactor	54	(2015)	1	27-30
2018.	A. Štrkalj, Z. Glavaš, G. Matijašić	Removal of Ni (II) and Cr (VI) ions from aqueous solution using by-product from the production of aluminium	54	(2015)	1	31-34
2019.	S. Rządkosz, J. Zych, M. Piękoś, J. Kozana, A. Garbacz- Klempka, J. Kolczyk, Ł. Jamrozowicz	Influence of refining treatments on the properties of Al-Si alloys	54	(2015)	1	35-38
2020.	L. Hurtalová, E. Tillová, M. Chalupová	Possibilities of Fe-RICH phases elimination with using heat treatment in secondary Al-Si-Cu cast alloy	54	(2015)	1	39-42

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2021.	<i>N. Luptáková, F. Pešlová, J. Kliber</i>	The study and microstructure analysis of zinc and zinc oxide	54	(2015)	1	43-46
2022.	<i>D. Zasada, R. Jasionowski, J. Sienkiewicz</i>	Grain size influences the corrosion and cavitation of Ni ₃ Al intermetallic alloys	54	(2015)	1	47-50
2023.	<i>G. Brovč, G. Dražič, B. Karpe, I. Djordjević, G. Lojen, B. Kosec, M. Bizjak</i>	Synthesis and characterization of hardened Cu-Fe-Ni-P alloy	54	(2015)	1	51-54
2024.	<i>M. Burzić, M. Manjgo, J. Bernetič, Z. Burzić, M. Arsić</i>	Effect of variable load on crack initiation microalloyed steel S 690-QL	54	(2015)	1	55-58
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2027.	<i>J. Tušek, A. Skumavc, D. Klobčar</i>	Vacuum brazing of tools with a thin foil	54	(2015)	1	67-70
2028.	<i>J. Matusiak, J. Wycislik</i>	Influence of shielding gas on fume and gas emission during ARC weld brazing of steel sheets with coatings	54	(2015)	1	71-74
2029.	<i>S. A. Aksenov, E. N. Chumachenko, I. V. Logashina, T. Kubina</i>	Numerical simulation in roll pass design for bar rolling	54	(2015)	1	75-78
2030.	<i>A. Kawalek, H. Dyja, A.M. Galkin, K.V. Ozhmegov, M. Knapiński</i>	Physical modelling of the plastic working processes of modified Zr-Nb zirconium alloy bars and tubes	54	(2015)	1	79-82
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2033.	<i>G. Krolczyk, P. Nieslony, S. Legutko, S. Hloch, I. Samardzic</i>	Investigation of selected surface integrity features of duplex stainless steel (DSS) after turning	54	(2015)	1	91-94
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2040.	<i>B. Oleksiak, J. Lipart, A. Karbownik, R. Burdzik</i>	Effects of a reducer type on copper flash smelting slag decopperisation	54	(2015)	1	116-118
2041.	<i>D. Novoselević, I. Budić, I. Samardžić</i>	Residual stresses in castings produced by press die casting technology	54	(2015)	1	119-122
2042.	<i>T. Merder, J. Pieprzyca, M. Warzecha, P. Warzecha</i>	Flow and mixing of liquid steel in multi-strand tundish delta type – physical modelling	54	(2015)	1	123-126
2043.	<i>J. Pieprzyca, T. Merder, M. Warzecha, J. Skorupa</i>	The influence of steel preheating level in the tundish on the primary structure of a continuously cast ingot	54	(2015)	1	127-130
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2046.	<i>D. Kalisz, P. L. Žak, J. Lelito, M. Szucki, J. S. Suchy, B. Gracz</i>	Modeling of MnS precipitation during the crystallization of grain oriented silicon steel	54	(2015)	1	139-142
2047.	<i>J. Mikula, M. Lach, J. S. Kowalski</i>	Copper matrix composites reinforced with volcanic tuff	54	(2015)	1	143-146
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2069.	<i>L. Miková, M. Kelemen, F. Trebuňa, I. Virgala, S. Medvecká-Beňová</i>	Experimental identification of piezo actuator characteristic	54	(2015)	1	221-223

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2070.	<i>S. Medvecká - Beňová, I. Virgala, M. Kelemen, E. Miková</i>	Influence of material and gear parameters on the safety of gearing in metallurgical industry	54	(2015)	1	224-226
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2093.	<i>I. Mamuzić</i>	Election assembly of Croatian Metallurgical Society	54	(2015)	1	8

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2108.	<i>D. Nowak, K. Granat, B. Opyd</i>	Examination and analysis of influence of compaction degree on dielectric properties of moulding sand components	54	(2015)	2	353-356
2109.	<i>P. L. Żak, D. Kalisz, J. Lelito, M. Szucki, B. Gracz, J. S. Suchy</i>	Modelling of non-metallic particles motion process in foundry alloys	54	(2015)	2	357-360
2110.	<i>A. Bejger, K. Gawdzińska</i>	An attempt to use the coherence function for testing the structure of saturated composite castings	54	(2015)	2	361-364
2111.	<i>J. Jezierski, K. Janerka</i>	Parameters of a gas-solids JET in pneumatic powder injection into liquid alloys with a non-submerged lance	54	(2015)	2	365-367
2112.	<i>B. Arh, F. Vode, F. Tehovnik, J. Burja</i>	Reduction of chromium oxides with calcium carbide during the stainless steelmaking process	54	(2015)	2	368-370
2113.	<i>F. Tehovnik, J. Burja, B. Arh, M. Knap</i>	Submerged entry nozzle clogging during continuous casting of Al-killed steel	54	(2015)	2	371-374
2114.	<i>M. Szucki, D. Kalisz, J. Lelito, P. L. Żak, J. S. Suchy, K. W. Krajewski</i>	Modelling of the crystallization front – particles interactions in ZnAl/(SiC) _p composites	54	(2015)	2	375-378
2115.	<i>J. Burja, F. Tehovnik, F. Vode, B. Arh</i>	Microstructural characterisation of chromium slags	54	(2015)	2	379-382
2116.	<i>A. Dimitrescu, D. F. Nițoi, D. Dobrotă, Z. Apostolescu</i>	Researches and studies regarding brazed aluminium alloys microstructure used in aeronautic industry	54	(2015)	2	383-386
2117.	<i>P. Podržaj, B. Jerman, D. Klobčar</i>	Welding defects at friction stir welding	54	(2015)	2	387-389
2118.	<i>V. Petrescu, D. Dobrotă</i>	Influence of parameters of welding regime on metallographic structure of materials from a joint welded in corner in „T” form	54	(2015)	2	390-394
2119.	<i>I. Sărăcin, G. Paraschiv, O. Pandia, I. Bozga, D. Toma</i>	Researches on corrosion cracking phenomenon that occurs on welded of agricultural equipment	54	(2015)	2	395-398

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2120.	<i>V. Marušić, I. Samaržić, I. Budić, L. Marušić</i>	The possibility of tribopair lifetime extending by welding of quenched and tempered stainless steel with quenched and tempered carbon steel	54	(2015)	2	399-402
2121.	<i>I. Samaržić, M. Dunđer, T. Vuherer</i>	Dependence of hardness and impact energy on cooling time $\Delta t_{0/5}$ and temperature for S960QL	54	(2015)	2	403-406
2122.	<i>M. Ilhan, R. Samur, H. Demirer, F. Mindivan</i>	Photoluminescence and concentration quenching of Pr ³⁺ doped BaTa ₂ O ₆ phosphor	54	(2015)	2	407-410
2123.	<i>P. Pokorný, L. Mastný, V. Sykora, Z. Pala, V. Brozek</i>	Bond strength of plasma sprayed ceramic coatings on the phosphated steels	54	(2015)	2	411-414
2124.	<i>K. Laber, H. Dyja, M. Kalamorz</i>	Analysis of the technology of rolling 5,5 mm-diameter wire rod of cold upsetting steel in the morgan block mill	54	(2015)	2	415-418
2125.	<i>Z. Pater, J. Tomczak, T. Bulzak</i>	Experimental study of rotary compression for hollow parts	54	(2015)	2	419-422
2126.	<i>G. I. Raab, A. G. Raab, V. G. Shibakov</i>	Analysis of shear deformation scheme efficiency in plastic structure formation processes	54	(2015)	2	423-425
2127.	<i>V. A. Popescu, Gh. N. Popescu, C. R. Popescu</i>	Competitiveness and sustainability – a modern economic approach to the industrial policy	54	(2015)	2	426-428
2128.	<i>A. Misztal, M. Butlewski, A. Jasiak, S. Janik</i>	The human role in a progressive trend of foundry automation	54	(2015)	2	429-432
2129.	<i>I. Kłosok-Bazan, B. Gajdzik, J. Machnik-Słomka, W. Ociecek</i>	Environmental aspects of innovation and new technology implementation in metallurgy industry	54	(2015)	2	433-436
2130.	<i>A. Bluszcz, A. Kijewska, A. Sojda</i>	Economic value added in metallurgy and mining sector in Poland	54	(2015)	2	437-440
2131.	<i>A. Bluszcz, A. Kijewska</i>	Challenges of sustainable development in the mining and metallurgy sector in Poland	54	(2015)	2	441-444
2132.	<i>M. Zaharia, A. G. Babucea, A. Bălăcescu, C. I. Răbonțu</i>	Metallurgical industry in Romania in the context of the economic crisis	54	(2015)	2	445-448
2133.	<i>M. Roszak, M. Spilka, A. Kania</i>	Environmental failure mode and effects analysis (FMEA) – a new approach to methodology	54	(2015)	2	449-451
2134.		New additional important information to authors / please see also “Instructions to the authors in journal Metalurgija”	54	(2015)	2	452
2135.	<i>L. Řeháčková, S. Rosypalová, R. Dudek, J. Kukutschová, J. Dobrovská</i>	Effect of CaO/SiO ₂ ratio on viscosity and structure of slag	54	(2015)	3	455-458
2136.	<i>H. F. Wang, J. J. Lu, K. F. Chen, H. L. Duan</i>	Harmless treatment of used foundry sands and dewatered municipal sludge by microwave	54	(2015)	3	459-461
2137.	<i>P. Warzecha, M. Warzecha, T. Merder</i>	Analysis of liquid steel flow in a multi-strand tundish using numerical methods	54	(2015)	3	462-464
2138.	<i>H. J. Wu, Y. Xu, Z. R. Huo, F. Yue, P. Y. Lu</i>	Physical modeling of oscillation effect on fluid flow in mold	54	(2015)	3	465-468
2139.	<i>P. Opěla, I. Schindler, P. Kawulok, F. Vančura, R. Kawulok, S. Rusz, T. Petrek</i>	Hot flow stress models of the steel C45	54	(2015)	3	469-472
2140.	<i>R. Kawulok, I. Schindler, P. Kawulok, S. Rusz, P. Opěla, Z. Solowski, K. M. Čmiel</i>	Effect of deformation on the continuous cooling transformation (CCT) diagram of steel 32CRB4	54	(2015)	3	473-476
2141.	<i>J. Dobránský, P. Baron, V. Šimkulet, M. Kočíško, J. Ružbarský, E. Vojnová</i>	Examination of material manufactured by direct metal laser sintering (DMLS)	54	(2015)	3	477-480
2142.	<i>T. Puskar, A. Lapcevic, S. Arandjelovic, S. Radulovic, I. Budak, Dj. Vukelic, D. Jevremovic</i>	Comparative study of cytotoxicity of direct metal laser sintered and cast Co-Cr-Mo dental alloy	54	(2015)	3	481-484
2143.	<i>T. Lešer, I. Anžel, A. Goršek</i>	The use of water atomisation for the production of frits	54	(2015)	3	485-488

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2144.	<i>P. Pokorny, P. Szélag, M. Novak, L. Mastny, V. Brozek</i>	Thermal stability of phosphate coatings on steel	54	(2015)	3	489-492
2145.	<i>D. A. Skobir Balantič, B. Žužek, F. Vodopivec</i>	Grain boundaries of $M_{23}C_6$ particles in high chromium creep resistant steels, stability and effect on creep rate	54	(2015)	3	493-495
2146.	<i>J. Dobránský, P. Baron, M. Kočíško, L. Běhálek, E. Vojnová</i>	Solving depressions formed during production of plastic molding	54	(2015)	3	496-498
2147.	<i>M. Szega, L. Blacha, W. Stanek</i>	Methods of mathematical modeling for evaluation of energy management of blast-furnace plant	54	(2015)	3	499-502
2148.	<i>A. Bhattacharyya, J. Schenk, G. Rantitsch, C. Thaler, H. Stocker</i>	Effect of alkaline elements on the reactivity, strength and structural properties of blast furnace cokes	54	(2015)	3	503-506
2149.	<i>K. Janiszewski</i>	Microscopic investigations of axial zones of continuous casting ingots	54	(2015)	3	507-510
2150.	<i>J. Piątkowski</i>	AlSi17Cu5Mg alloy as future material for castings of pistons for internal combustion engines	54	(2015)	3	511-514
2151.	<i>M. Copur, A. Turan, M. N. Eruslu</i>	Effects of chills on the solidification pattern of an axial steel cast impeller	54	(2015)	3	515-518
2152.	<i>A. D. Mekhtiev, A. Alkenova, A. Isagulov, K. Zhumashev, V. Portnov</i>	On the possibility of the reaction ($CuMoO_4 + C$), using the apparent activation energy method	54	(2015)	3	519-522
2153.	<i>Gh. Amza, D. Dobrotă, V. Petrescu, Z. Apostolescu, R. G. Albulescu</i>	Influence of use of ultrasound on metallographic structure of plated pieces by welding in ultrasonic field	54	(2015)	3	523-526
2154.	<i>I. Samardžić, T. Vuherer, D. Marić, P. Konjatić</i>	Influence of vibrations on residual stresses distribution in welded joints	54	(2015)	3	527-530
2155.	<i>Gh. Amza, V. Petrescu, D. Dobrotă, Z. Apostolescu, R. G. Albulescu</i>	Influence of use of ultrasound on the mechanical properties of plated pieces by welding in ultrasonic field	54	(2015)	3	531-534
2156.	<i>I. Bozğâ, I. Sărăcin, G. Paraschiv, O. Pandia, I. C. Andronie</i>	The influence of melted material proprieties over the characteristics of welded jointings made from steel OL 52.4K	54	(2015)	3	535-538
2157.	<i>M. Dunđer, I. Samardžić, T. Vuherer</i>	Weldability investigation steel P 91 by weld thermal cycle simulation	54	(2015)	3	539-542
2158.	<i>R. Przeliorz, J. Piątkowski</i>	Thermophysical properties of nickel-based cast superalloys	54	(2015)	3	543-546
2159.	<i>P. Armăşoiu, D. Dobrotă, V. Petrescu</i>	Analysis of metallographic structure and hardness of aluminum alloy 3L59 from the structure of vulcanization equipment	54	(2015)	3	547-550
2160.	<i>P. Drobnjak, A. Kovačević, A. Milosavljević, Ž. Radovanović, I. Samardžić</i>	NIMONIC 263 microstructure and surface characterization after laser shock peening	54	(2015)	3	551-554
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2162.	<i>J. Ochman, W. Bialik, S. Gil</i>	An experimental study on liquid fuel atomization	54	(2015)	3	559-562
2163.	<i>C. Oprean, G. Dobrotă</i>	Correlations between indebtness grade and the value of companies in metallurgical industry of Romania	54	(2015)	3	563-566
2164.	<i>S. Saniuk, A. Samolejova, A. Saniuk, R. Lenort</i>	Benefits and barriers of participation in production networks in a metallurgical cluster - research results	54	(2015)	3	567-570
2165.	<i>T. Bobenič, A. Bobenič Hintošová, L. Hliboká, I. Vasková</i>	Effects of changes in steel industry concentration	54	(2015)	3	571-574
2166.	<i>Ch. B. Balan, I.-B. Robu, E. Jaba</i>	The statistical assessment of financial distress risk in the case of metallurgical companies	54	(2015)	3	575-578
2167.	<i>J. Węgrzyn</i>	Comparison of mass loss rate in reaction of silica with carbon from different investigation results	54	(2015)	3	579-582

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2168.	<i>G. Dobrotá, M. D. Ungureanu</i>	The dimensioning of performance in metallurgical industry from Romania	54	(2015)	3	583-586
2169.	<i>M. L. Lăpăduși, C. Căruntu</i>	The synthetic analysis of the efficiency ratio of total expenses and the effect of its change in metallurgical companies	54	(2015)	3	587-590
2170.	<i>K. Major - Gabryś</i>	Biodegradable materials as foundry moulding sands binders	54	(2015)	3	591-593
2171.	<i>Š. Vilamová, A. Miklošik, R. Kozel, A. Samolejová, M. Piecha, E. Weiss, K. Janovská</i>	Regression analysis as an objective tool of economic management of rolling mill	54	(2015)	3	594-596
2172.	<i>F. Vodopivec</i>	Festschrift in honour of Acad. Ilija Mamuzić to mark his 75th birthday and to acknowledge his contributions to metallurgy 75. obljetnica života akademika Ilije Mamuzića 75th anniversary of life academician Ilija Mamuzić	54	(2015)	4	599-606
2173.	<i>S. Żybankowska-Kumon</i>	The BTEX emission from moulding sands with furan resin dependence on the VOC content and loss on ignition	54	(2015)	4	607-610
2174.	<i>L. Socha, Z. Hudzieczek, V. Pilka, Z. Piegza</i>	Comparison of steel desulphurisation at homogenisation station with physical modelling results	54	(2015)	4	611-614
2175.	<i>A. Volodarskaja, V. Vodárek, J. Holešínský, Š. Miklušová, O. Žáček</i>	Analysis of microstructure and microtexture in grain-oriented electrical steel (GOES) during manufacturing process	54	(2015)	4	615-618
2176.	<i>M. Jabłońska, A. Śmiglewicz</i>	A study of mechanical properties of high manganese steels after different rolling conditions	54	(2015)	4	619-622
2177.	<i>A. D. Mekhtiev, E. M. Azbanbayev, A. Z. Isagulov, A. R. Karipbayeva, Sv. S. Kvon, N. B. Zakariya, N. Z. Yermaganbetov</i>	Effect of asymmetric rolling with cone-shaped rolls on microstructure of low-carbon steel	54	(2015)	4	623-626
2178.	<i>Z. Pater, J. Tomczak, T. Bulzak</i>	Numerical analysis of the skew rolling process for main shafts	54	(2015)	4	627-630
2179.	<i>A. Śmiglewicz, M.B. Jabłońska</i>	The effect of strain rate on the impact strength of the high-Mn steel	54	(2015)	4	631-634
2180.	<i>J. Malcharcziková, M. Kursá</i>	Structural characteristics of Ni ₃ Al based alloys depending on the preparation conditions	54	(2015)	4	635-638
2181.	<i>S. Zlá, B. Smetana, M. Žaludová, J. Dobrovská, A. Kalup, V. Vodárek, K. Konečná</i>	Determination of thermophysical and structural properties of NICKEL SUPER-ALLOY	54	(2015)	4	639-642
2182.	<i>A. M. Gazaliyev, Sv. S. Kvon, T. S. Filippova, V. V. Yegorov</i>	Using Alloys of Cr-Ni-Co system as metallic bond in powder metallurgy products	54	(2015)	4	643-645
2183.	<i>J. Labaj, M. Jodkowski, W. Szeja, J. Helmann, M. Koziol</i>	Alternative binder for copper concentrate briquetting	54	(2015)	4	646-648
2184.	<i>Š. Vilamová, P. Besta, R. Kozel, M. Piecha, M. Vaněk, A. Samolejová, K. Janovská, M. Čech</i>	Increasing the efficiency of production of iron by means of reduction of harmful elements	54	(2015)	4	649-652
2185.	<i>R. Frischer, O. Krejcar, J. David</i>	Surface diagnostics of narrow plate moulds	54	(2015)	4	653-656
2186.	<i>P. Švec, J. David, R. Garzinová</i>	The evaluation system of surface inequalities and defects of mold's plates	54	(2015)	4	657-659
2187.	<i>S. Mróz, G. Stradomski, T. Bajor, A. Zaskórska, A. Gałka</i>	Production of magnesium-aluminium bimetallic bars using the explosive cladding method	54	(2015)	4	660-662
2188.	<i>J. L. Gao, Y. Zhi, X. F. Ren, Y. H. Liu</i>	Surfactant-assisted synthesis of BaTiO ₃ nanoparticles by micro-emulsion method	54	(2015)	4	663-666
2189.	<i>R. Frischer, J. David, P. Švec, O. Krejcar</i>	Usage of analytical diagnostics when evaluating functional surface material defects	54	(2015)	4	667-670

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2190.	<i>K. Gawdzińska</i>	Study of metallic-ceramic composite foams with application of the computer tomograph	54	(2015)	4	671-674
2191.	<i>D. Vykydal, J. Plura, P. Halfarová, P. Klaput</i>	Advanced approaches to failure mode and effect analysis (FMEA) applications	54	(2015)	4	675-678
2192.	<i>C. Rontescu, T. D. Cicic, C. G. Amza, O. Chivu, D. Dobrotă</i>	Choosing the optimum material for making a bicycle frame	54	(2015)	4	679-682
2193.	<i>J. Wang, G. Z. Wang, C. M. Wang</i>	Mechanisms of the porosity formation during the fiber laser lap welding of aluminium alloy	54	(2015)	4	683-686
2194.	<i>Z. Gronostajski, M. Kaszuba, M. Hawryluk, M. Marciniak, M. Zwierzchowski, A. Mazurkiewicz, J. Smolik</i>	Improving durability of hot forging tools by applying hybrid layers	54	(2015)	4	687-690
2195.	<i>L. Zach, L. Kunčická, A. Macháčková, P. Růžička, M. Pohludka, J. Juřica</i>	Finite element analysis of Ti-based knee-joint implant	54	(2015)	4	691-694
2196.	<i>Ž. Santoši, M. Šokac, D. Korolija-Crkvenjakov, B. Kosec, M. Soković, I. Budak</i>	Reconstruction of 3D models of cast sculptures using close-range photogrammetry	54	(2015)	4	695-698
2197.	<i>A. Pawliczek, A. Samolejova</i>	Employment and other selected personnel attributes in metallurgical and industrial enterprises of different size - research results	54	(2015)	4	699-702
2198.	<i>P. Wicher, D. Staš, M. Karkula, R. Lenort, P. Besta</i>	A computer simulation-based analysis of supply chains resilience in industrial environment	54	(2015)	4	703-706
2199.	<i>P. Pokorny, J. Kolisko, L. Balik, P. Novak</i>	Description of structure of Fe-Zn intermetallic compounds present in hot-dip galvanized coatings on steel	54	(2015)	4	707-710
2200.	<i>M. Ullmann, F. Berge, K. Neh, R. Kawalla</i>	Development of a rolling technology for twin-roll cast magnesium strips	54	(2015)	4	711-714
2201.	<i>A. K. Serikbayeva, A. A. Suiybergenova, F. A. Berdikulova</i>	Review of technologies of processing of technogenic products of copper production	54	(2015)	4	715-717
2202.	<i>C. I. Răbonțu, A. G. Babucea, L. Paliu-Popa, A. Bălăcescu</i>	A comparative analysis of trade in metallurgical products in 2009 - 2013. Case study: Romania vs. Croatia	54	(2015)	4	718-720
2203.	<i>L. Paliu-Popa, A. G. Babucea, C. I. Răbonțu, A. Bălăcescu</i>	The impact of the economic and financial crisis on the evolutionary trend of world crude steel production	54	(2015)	4	721-724
2204.	<i>A. Saniuk, M. Jasiulewicz-Kaczmarek, A. Samolejova, S. Saniuk, R. Lenort</i>	Environmental favourable foundries through maintenance activities	54	(2015)	4	725-728
2205.	<i>B. Gajdzik, W. Ocieczek</i>	Soft restructuring process in metallurgical enterprises in Poland	54	(2015)	4	729-732
2206.	<i>M. D. Ungureanu, G. Dobrotă, G. Bălan</i>	Competitiveness and economic-financial performance in the metallurgical industry companies in Romania	54	(2015)	4	733-736
2207.	<i>A. Kijewska, A. Bluszcz, A. Sojda</i>	Value added statement (VAS) of mining and metallurgical companies in Poland	54	(2015)	4	737-740
2208.	<i>B. Gajdzik, D. Zwolińska, J. Szymuszal</i>	Behavioural determinants of work accidents and absenteeism in a metallurgical enterprise	54	(2015)	4	741-744
2209.	<i>D. Wilk-Kołodziejczyk, G. Rojek, K. Regulski, S. Kluska-Nawarecka, M. Adrian</i>	Mathematical formalisms to represent knowledge concerning the production process of austempered ductile iron	55	(2016)	1	3-6
2210.	<i>J. Beňo, P. Lichý, I. Kroupová, F. Radkovský</i>	Influencing of foundry bentonite mixtures by binder activation	55	(2016)	1	7-10
2211.	<i>D. Cirtina, O. Chivu, L. M. Cirtina</i>	Assessment of air pollutants produced by industrial activity from an aluminium alloys foundry	55	(2016)	1	11-14
2212.	<i>K. Kaczmarska, B. Grabowska, D. Drożyński</i>	Potential of the application of the modified polysaccharides water solutions as binders of moulding sands	55	(2016)	1	15-18

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2213.	<i>J. Kulasa, W. Malec, B. Juszczak, S. Malara, B. Cwolek</i>	Microstructure and tribological properties of tin bronze-graphite composites made by stir casting	55	(2016)	1	19-21
2214.	<i>Y. Song, J. P. Peng, Y. W. Wang, Y. Z. Di, B. K. Li, N. X. Feng</i>	Magnetohydrodynamics simulation of 300 KA novel cell for aluminum electrolysis	55	(2016)	1	22-24
2215.	<i>L. Bernat</i>	Influence of the selected structural parameter on a depth of intergranular corrosion of Al-Si7-Mg0,3 aluminum alloy	55	(2016)	1	25-28
2216.	<i>J. Wesolowski, S. Malara, L. Ciura, W. Kazana</i>	Microstructure and properties of PbCa grade alloys for starting battery grids	55	(2016)	1	29-32
2217.	<i>S. H. Chang, S. H. Hsiao</i>	Effects of texture on the damping characteristics of cold-rolled and annealed Ti ₅₀ Ni ₄₀ Cu ₁₀ shape memory alloy	55	(2016)	1	33-36
2218.	<i>K. Gawdzińska, J. Grabian, M. Gucma, B. Kwiecińska</i>	Deformation mechanisms in metal composite foams	55	(2016)	1	37-40
2219.	<i>L. Dahil, A. Karabulut</i>	Assessment of the vibration on the foam legged and sheet metal-legged passenger seat	55	(2016)	1	41-43
2220.	<i>J. Labaj, M. Jodkowski</i>	Emission of pollutants from the combustion of composite fuels by metallurgical processes	55	(2016)	1	44-46
2221.	<i>A. Mekhtiyev, A. Akhmetov, V. Yudakova, F. Bulatbayev</i>	Experience with ferrosilicoaluminum alloy during deoxidation of steel	55	(2016)	1	47-50
2222.	<i>D. Dobrotá, V. Petrescu</i>	Dependence of the mechanical properties of joints welded according to the parameters of the metal active gas (MAG) welding regime	55	(2016)	1	51-54
2223.	<i>O. Chivu, C. Rontescu, D.T. Cicic, G. Bălan</i>	The effects of reconditioning by welding of crankshafts in automotive industry	55	(2016)	1	55-58
2224.	<i>I. Klosok-Bazan</i>	Innovations in industrial water preparation in a metallurgical plant	55	(2016)	1	59-62
2225.	<i>G. Zhetessova, O. Zharkevich, Ye. Pleshakova, V. Yurchenko, Ye. Platonova, T. Buzauova</i>	Building mathematical model for gas-thermal process of coating evaporation	55	(2016)	1	63-66
2226.	<i>M. Jabłońska, I. Bednarczyk, K. Rodak, A. Smiglewicz</i>	Study of the structure of intermetallics from Fe - Al system after the hot rolling	55	(2016)	1	67-71
2227.	<i>B. Zorc, M. Bizjak, B. Kosec, A. Nagode</i>	Fracture of drilling head pipe connection due to quenching of heat affected zone (HAZ)	55	(2016)	1	72-74
2228.	<i>T. Figlus, M. Stańczyk</i>	A method for detecting damage to rolling bearings in toothed gears of processing lines	55	(2016)	1	75-78
2229.	<i>M. Stańczyk, T. Figlus</i>	A method for the selection of certain force and energy parameters of automatic sheet metal coiling machines	55	(2016)	1	79-82
2230.	<i>R. Danel, L. Otte, R. Kozel, D. Johanides, Š. Vilamová, K. Janovská, M. Řepka</i>	Database mirroring in fault-tolerant continuous technological process control	55	(2016)	1	83-86
2231.	<i>Ž. Đorđević, M. Vasiljević, S. Vesković, S. Rajilić, V. Vukadinović</i>	Fuzzy model for predicting the number of deformed wheels	55	(2016)	1	87-90
2232.	<i>V. Lazić, A. Sedmak, I. Samardžić, S. Aleksandrović, D. Milosavljević, D. Arsić, M. Đorđević</i>	Determination of bond strength between the hard-faced (HF) layer and the base material (BM) of forging dies	55	(2016)	1	91-94
2233.	<i>J. Bernetić, B. Kosec, G. Kosec, Z. Burzić, B. Podlipec, A. Nagode, B. Karpe, S. Kanalec, F. Vodopivec, L. Kosec</i>	Phenomena in penetrating piercing bullets in armored steel plate	55	(2016)	1	95-98
2234.	<i>T. Tomić, Z. Kožuh, I. Garašić, I. Samardžić</i>	Effects of hydrogen upon the properties of thermo mechanical controlled process (TMCP) steel	55	(2016)	1	99-102

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2235.	<i>D. Arsić, V. Lazić, A. Sedmak, R. Nikolić, S. Aleksandrović, M. Djordjević, R. Bakić</i>	Selection of the optimal hard facing (HF) technology of damaged forging dies based on cooling time $t_{8/5}$	55	(2016)	1	103-106
2236.	<i>M. Miličić, P. Gladović, R. Bojanić, T. Savković, N. Stojić</i>	Friction stir welding (FSW) process of copper alloys	55	(2016)	1	107-110
2237.	<i>P. Pokorny, J. Kolisko, L. Balik, P. Novak</i>	Reaction kinetics of the formation of intermetallic Fe – Zn during hot - dip galvanizing of steel	55	(2016)	1	111-114
2238.	<i>P. Pokorny, J. Kolisko, L. Balik, P. Novak</i>	Effect of chemical composition of steel on the structure of hot – dip galvanized coating	55	(2016)	1	115-118
2239.	<i>D. Burchart-Korol, M. Pichlak, M. Kruczek</i>	Innovative technologies for greenhouse gas emission reduction in steel production	55	(2016)	1	119-122
2240.	<i>Gh. H. Popescu, E. Nica, E. Nicolăescu, G. Lăzăroiu</i>	China's steel industry as a driving force for economic growth and international competitiveness	55	(2016)	1	123-126
2241.	<i>D. Wilk-Kolodziejczyk, A. Opaliński, E. Nawarecki, S. Kluska-Nawarecka</i>	Exploration of WEB resources in the domain of metal processing technologies	55	(2016)	1	127-130
2242.	<i>O. I. Negoitǎ, A. A. Purcǎrea, O. D. Negoitǎ</i>	Aspects of organizational reputation management in metallurgical industry from Romania and EU	55	(2016)	1	131-134
2243.	<i>C. Oprean, C. Tănăsescu, G. Dobrotǎ</i>	Applying informational entropy to the field of metallurgy	55	(2016)	1	135-138
2244.	<i>A. Kijewska</i>	Conditions for sustainable growth (SGR) for companies from metallurgy and mining sector in Poland	55	(2016)	1	139-142
2245.	<i>I. Mamuzić</i>	Godišnja skupština HMD-a / Annual Assembly of CMS	55	(2016)	1	143
2246.	<i>I. Mamuzić</i>	Zahvala recenzentima / Acknowledgement to reviewers Metalurgija 54 (2015) 1-4, 1-744	55	(2016)	1	144
2247.	<i>Urednički odbor časopisa Metalurgija / Editorial Board of the Journal Metalurgija</i>	55-a godina tiskanja časopisa Metalurgija uz 32-u godinu Glavnog i odgovornog urednika Akad. Ilije Mamuzića 55st Year of the Publishing of the Journal Metalurgija at 32nd Year of Editor-in-chief Acad. Ilija Mamuzić	55	(2016)	2	147-148
2248.	<i>H. Issa, M. Korać, Ž. Kamberović, M. Gavrilovski, T. Kovačević</i>	A two-stage metal valorisation process from electric arc furnace dust (EAFD)	55	(2016)	2	149-152
2249.	<i>M. Ranitović, Ž. Kamberović, M. Korać, N. Jovanović, A. Mihajlović</i>	Hydrometallurgical recovery of tin and lead from waste printed circuit boards (WPCBs): limitations and opportunities	55	(2016)	2	153-156
2250.	<i>S. Rešković, I. Jandrić, F. Vodopivec</i>	Influence of testing rate on Lüders band propagation in niobium microalloyed steel	55	(2016)	2	157-160
2251.	<i>V. Marušić, I. Samardžić, I. Opačak</i>	Dependence of Al bronze surfaced layers on the postweld thermomechanical treatment	55	(2016)	2	161-164
2252.	<i>P. Kučera, E. Mazancová</i>	Mechanical and structural response of AISI 4135 steel after controlled cooling process	55	(2016)	2	165-168
2253.	<i>J. Matusiak, J. Wyciślik, H. Krztoń</i>	Phase analysis of fume during arc weld brazing of steel sheets with protective coatings	55	(2016)	2	169-172
2254.	<i>A. Czupryński, J. Gorka, M. Adamiak</i>	Examining properties of arc sprayed nanostructured coatings	55	(2016)	2	173-176
2255.	<i>G. I. Raab, L. A. Simonova, G. N. Alyoshin</i>	Tailoring the gradient ultrafine-grained structure in low-carbon steel during drawing with shear	55	(2016)	2	177-180
2256.	<i>M. Janjić, M. Vukčević, Z. Jurković, N. Šibalić, S. Savičević</i>	Physical modelling and numerical finite element method (fem) simulation of forging in open die of alloy AlMgSi0,5	55	(2016)	2	181-184
2257.	<i>J. Węgrzyn</i>	The influence of intensity of argon flow on the rate of mass loss in carbothermal reduction of quartzite to silicon carbide	55	(2016)	2	185-188
2258.	<i>A. Essari, F. Sariuglo, Z. Petrovic, A. Sedmak, I. Samardžić</i>	Effect of aging on mechanical properties of Al-8Si-8Fe-1.4V/SiCp composites	55	(2016)	2	189-192

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2259.	<i>M. Oruč, J. Duraković, S. Muhamedagić, B. Fakić, M. Rimac</i>	Effects of heat treatment on the properties of low carbon steel 19MnB4 for screws	55	(2016)	2	193-196
2260.	<i>Sv. S. Kvon, T. S. Filippova, H. I. Malashkevichute</i>	Developing model of mass-exchange processes in porous bodies on example of iron-ore pellets oxidation process	55	(2016)	2	197-199
2261.	<i>J. Cumin, I. Samardžić, L. Maglić</i>	Statistical analysis of the V-tool bending process parameters in the bending of HC260Y steel	55	(2016)	2	200-202
2262.	<i>A. Z. Issagulov, V. Yu. Kulikov, Y. P. Chsherbakova, E. M. Azbanbayev, Sv. S. Kvon</i>	Investigation of sedimentation analysis of suspensions with 20 % of the content halloysite clay	55	(2016)	2	203-205
2263.	<i>Sv. S. Kvon, V. Y. Kulikov, T. S. Filippova, A. E. Omarova</i>	Using high-chromium iron as material for production of the equipping components of mine shafts	55	(2016)	2	206-208
2264.	<i>J. Węgrzyn</i>	Mass balance at partial run of quartzite carbothermal reduction	55	(2016)	2	209-212
2265.	<i>V. Lazić, S. Aleksandrović, D. Arsić, A. Sedmak, A. Ilić, M. Djordjević, L. Ivanović</i>	The influence of temperature on mechanical properties of the base material (BM) and welded joint (WJ) made of steel S690QL	55	(2016)	2	213-216
2266.	<i>V. Petrescu, G. Paraschiv, D. Dobrotă</i>	The optimization of welding regime parameters at shielded metal arc welding (SMAW) by mathematical modeling	55	(2016)	2	217-220
2267.	<i>O. Chivu, D-T Cicic, C. Rontescu</i>	Validation of the finite element method (FEM) in case of reconditioning by welding applied to crankshafts	55	(2016)	2	221-224
2268.	<i>J. Winczek, E. Gawrońska</i>	The modeling of heat affected zone (HAZ) in submerged arc welding (SAW) surfacing steel element	55	(2016)	2	225-228
2269.	<i>J. Borowski, J. Wendland</i>	The phenomenon of durability variable dies for aluminum extrusion profiles	55	(2016)	2	229-232
2270.	<i>Z. Pater</i>	A thermomechanical analysis of the multi-wedge helical rolling (MWHR) process for producing balls	55	(2016)	2	233-236
2271.	<i>M. Cieśla</i>	Aluminium supplier selection for the automotive parts manufacturer	55	(2016)	2	237-240
2272.	<i>C. Popescu, G. C. Mursa</i>	Correlations between metallurgical, machinery and construction sectors during the latest economic cycle	55	(2016)	2	241-244
2273.	<i>J. Baran, M. Wysokinski, D. Staš, A. Samolejová, R. Lenort</i>	Efficiency of Polish metallurgical industry based on data envelopment analysis	55	(2016)	2	245-248
2274.	<i>Z. Dadić, D. Živković, N. Čatipović</i>	Tribological wear mechanisms of molds for high pressure die casting	55	(2016)	2	249-252
2275.	<i>P. Pokorný, P. Tej, P. Szelag</i>	Chromate conversion coatings and their current application	55	(2016)	2	253-256
2276.	<i>G. Patange, M. Khond</i>	Energy efficiency in small and medium scale foundry industry	55	(2016)	2	257-259
2277.	<i>L. Paliu-Popa, I. E. Chirtoc, G. Buşan</i>	Analysis of the interdependence between gross domestic product (GDP), steel production and iron production (10 states of European Union)	55	(2016)	2	260-262
2278.	<i>M. M. Abrudan, L. C. Abrudan, T. Roman</i>	The investment <i>location</i> decisions in the steel industry	55	(2016)	2	263-266
2279.	<i>L. Paliu-Popa</i>	Impact of the economic and financial crisis on the evolving trend of crude steel consumption	55	(2016)	2	267-270
2280.	<i>K. Szczepańska-Woszczyna, B. Gajdzik</i>	Competencies of engineering staff in steelworks after their restructuring	55	(2016)	2	271-274
2281.	<i>I. Bostan, T. Roman</i>	Excise levying on gold products on the Romanian territory	55	(2016)	2	275-277
2282.	<i>N. Asaloş, E. Hlaciuc, I. Bostan, T. Roman, D. Mateş, A. Manolică</i>	Mining remittances corresponding to metalliferous ores: regulation and budget impact	55	(2016)	2	278-280
2283.	<i>O. Chivu, D-T Cicic, C. Rontescu, I-M Vasile</i>	The influence of the reconditioning by welding processes on the hardness of crankshafts in the automotive industry	55	(2016)	2	281-284

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2284	A. Kijewska	Determinants of the return on equity ratio (ROE) on the example of companies from metallurgy and mining sector in Poland	55	(2016)	2	285-288
2285.	Z. Glavas, A. Štrkalj, A. Stojakovic	The properties of silicon alloyed ferritic ductile irons	55	(2016)	3	293-296
2286.	J. Hampl, J. Odehnal, B. Smetana	The influence of calcium on technological properties and micropurity of steel castings	55	(2016)	3	297-300
2287.	A. Isagulov, A. Akberdin, R. Sultangaziyev, D. Isagulova	Mathematical model of phase composition diagram of CaO - SiO ₂ - Fe ₂ O ₃ - B ₂ O ₃ system	55	(2016)	3	301-304
2288.	A. Isagulov, A. Akberdin, R. Sultangaziyev, A. Kim, V. Kulikov, D. Isagulova	Diagram of equilibrium phase composition of Fe - C - Si - B system	55	(2016)	3	305-308
2289.	C.X. Li, H. Li, H. Lu, W.W. Mao	Study on phosphorus microscopic enrichment regularity of earlier and final slag in double -slag steelmaking	55	(2016)	3	309-312
2290.	A. Akberdin, U. Konurov, A. Kim, A. Isagulov, R. Saitov, R. Sultangaziyev	Viscosity and electric conductivity of melt system of CaO - Al ₂ O ₃ - B ₂ O ₃	55	(2016)	3	313-316
2291.	C. J. Xu, X. J. Zhang, J. Li, Z. Y. Wang, L. W. Zhang	Analysis of the effects of an electromagnetic brake(EMBR) on flow behaviors in the large slab continuous casting mold	55	(2016)	3	317-320
2292.	M. Mihailović, A. Patarić, K. Raić, Z. Gulišija	Wetting phenomena of grooves at liquid metal/ceramics interface	55	(2016)	3	321-324
2293.	M. Janjić, H. Avdušinović, Z. Jurković, F. Bikić, S. Savičević	Influence of austempering heat treatment on mechanical and corrosion properties of ductile iron samples	55	(2016)	3	325-328
2294	A. Nagode, A. Resnik, M. Bizjak, G. Kosec, B. Karpe, I. Budak, B. Kosec, B. Zorc	Development of banded microstructure in 34CrNiMo6 steel	55	(2016)	3	329-332
2295.	A. Z. Issagulov, A. B. Akhmetov, Ye. P. Naboko, G. D. Kusainova, A. A. Kuzhanova	The research of modification process of steel Hadfield integrated alloy ferroalumisilicocalcium (Fe-Al-Si-Ca/FASC)	55	(2016)	3	333-336
2296.	P. Pokorný, D. Dobiáš, M. Vokáč	Bond strength of hot - dip galvanized reinforcement (B500B) with concrete	55	(2016)	3	337-340
2297.	P. Pokorný, J. Kolisko, P. Bouska, V. Brozek, T.F. Kubatík, L. Mastny	Boronized steels with corundum-baddeleyite coatings	55	(2016)	3	341-344
2298.	A. Kalup, S. Zlá, M. Kawuloková, J. Dobrovská, B. Smetana	Comparison of measured and calculated thermophysical properties of nickel super-alloys	55	(2016)	3	345-348
2299.	L. Zach, L. Kunčická, P. Růžička, B. Baghirova	Experimental and numerical analysis of a knee endoprosthesis numerical model	55	(2016)	3	349-352
2300.	V. A. Andreyachshenko, A. B. Naizabekov	Microstructural and mechanical characteristics of AlSiMnFe alloy processed by equal channel angular pressing	55	(2016)	3	353-356
2301.	R. Kawulok, I. Schindler, P. Kawulok, S. Rusz, P. Opěla, J. Kliber, Z. Solowski, K. M. Čmiel, P. Podolínský, M. Mališ, Z. Vašek, F. Vančura	Transformation kinetics of selected steel grades after plastic deformation	55	(2016)	3	357-360
2302.	P. Váňová, J. Sojka, T. Kulová, V. Vodárek, M. Sozaňska, B. Chmiela, J. Lelątko	The effect of deformation on the change of hydrogen diffusion in C-Mn-Si-P Trip 800 steel	55	(2016)	3	361-364

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2303.	<i>P. Kawulok, I. Schindler, R. Kawulok, S. Rusz, P. Opěla, J. Kliber, M. Kawuloková, Z. Solowski, K. M. Čmiel</i>	Plastometric study of hot formability of hypereutectoid C – Mn – Cr – V steel	55	(2016)	3	365-368
2304.	<i>P. Fajfar, P. Panjan, M. Terčelj, G. Kugler</i>	Analyses of the reasons for the decreased service time of CrN - coated die for aluminy hot extrusion – a case study	55	(2016)	3	369-374
2305.	<i>Š. Vilamová, P. Besta, R. Kozel, K. Janovská, M. Piecha, A. Levit, M. Straka, M. Šanda</i>	Quality quantification model of basic raw materials	55	(2016)	3	375-378
2306.	<i>X. Li, H. H. Yu, Z. H. Fang, Z. G. Yuan, X. X. Xue</i>	Processing of TiO ₂ from titanium-bearing blast furnace slag as titanium source	55	(2016)	3	379-381
2307.	<i>M. Alvarez-Vera, A. Hernández-Rodríguez, M. A. L. Hernández-Rodríguez, A. Juárez Hernández, J. R. Benavides-Treviño, J. H. García-Duarte</i>	Effect of cooling rate during solidification on the hard phases of M23C ₆ -type of cast CoCrMo alloy	55	(2016)	3	382-384
2308.	<i>K. Major – Gabrys, A. Grabarczyk, St. M. Dobosz, J. Jakubski</i>	New bicomponent binders for foundry moulding sands composed of phenol-furfuryl resin and polycaprolactone	55	(2016)	3	385-387
2309.	<i>A. Z. Issagulov, Sv. S. Kvon, V. Y. Kulikov, N. B. Aitbayev</i>	Studying microstructure of heat resistant steel deoxidized by barium ferrosilicon	55	(2016)	3	388-390
2310.	<i>Š. Gašpár, J. Paško</i>	Technological parameters of die casting and quality of casting from en AC46500 alloy	55	(2016)	3	391-394
2311.	<i>M. Tkadlečková, K. Michalek, K. Gryc, L. Socha, P. Machovčák</i>	Prediction of qualitative parameters of slab steel ingot using numerical modelling	55	(2016)	3	395-398
2312.	<i>J. Vlček, R. Švrčinová, J. Burda, M. Topinková, M. Klárová, H. Ovčáčíková, D. Jančar, M. Velička</i>	Hydraulic properties of ladle slags	55	(2016)	3	399-402
2313.	<i>P. Michal, A. Vagaská, E. Fechová, M. Gombár, D. Kozak</i>	Effect of electrolyte temperature on the thickness of anodic aluminium oxide (AAO) layer	55	(2016)	3	403-406
2314.	<i>N. Luptáková, P. Dymáček, F. Pešlová, Z. Jurkovič, O. Barborák, J. Stodola</i>	Impact of residual elements on zinc quality in the production of zinc oxide	55	(2016)	3	407-410
2315.	<i>A. M. Gazaliyev, A. G. Melnikov, O. V. Lobankova, I. Y. Zykov, Sv. S. Kvon, T. S. Filippova</i>	Studying laser radiation effect on steel structure and properties	55	(2016)	3	411-413
2316.	<i>A. Z. Issagulov, Sv. S. Kvon, V. Yu. Kulikov, T. S. Filippova, G. K. Koshebayeva, I. I. Yerakhtina</i>	Determination of composition and fluidity of an alloy for impregnating hard alloys on the basis of titanium carbide	55	(2016)	3	414-416
2317.	<i>A. K. Serikbayeva, K. Zhumashev, N. Sh. Janaliyeva, M. Rakhimberdina</i>	Definition of apparent activation energy on DTG curves	55	(2016)	3	417-419
2318.	<i>P. Jonšta, P. Košťál, Z. Jonšta, I. Vlčková, T. Kulová</i>	Thermal conductivity of nickel superalloy MAR-M247	55	(2016)	3	420-422
2319.	<i>V. Aleksić, M. Dojčimović, Lj. Milović, I. Samardžić</i>	Cavitation damages morphology of high-strength low-alloy steel	55	(2016)	3	423-425
2320.	<i>A. Z. Issagulov, V. Yu. Kulikov, Y. P. Chsherbakova, T. V. Kovaleva</i>	The corrosion resistant coating with halloysite nanoparticles	55	(2016)	3	426-428

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2321.	<i>R. Przeliorz, J. Piątkowski</i>	Corrosion of the WE43 and MSR-B magnesium alloys in CO ₂	55	(2016)	3	429-432
2322.	<i>S. Krum, F. Pešlová, J. Kliber</i>	Effect of heat load on structural changes of selected corrosive resistant steels	55	(2016)	3	433-436
2323.	<i>V. Alar, B. Runje, F. Ivušić, A. Horvatić, M. Mihaljević</i>	Corrosion behaviour of stainless steel in contact with wine and beer	55	(2016)	3	437-440
2324.	<i>G. Rozing, V. Alar, V. Marušić, I. Samardžić</i>	Tribocorrosion wear of austenitic and martensitic steels	55	(2016)	3	441-444
2325.	<i>M. Badida, L. Sobotova, M. Gombar, J. Kmec, D. Kucerka, R. Hrmo</i>	The contribution to coating quality evaluation by statistical methods	55	(2016)	3	445-448
2326.	<i>J. Dobránsky, L. Běhálek, P. Baron, M. Kočíško, V. Simkulet, E. Vojnová, J. Briančin</i>	Determination of the eos maraging steel MS1 material resistance at low temperatures	55	(2016)	3	449-452
2327.	<i>I. Samardžić, A. Čorić, M. Dunđer</i>	Weldability investigation of fine-grained S1100QL steel	55	(2016)	3	453-456
2328.	<i>D. Dobrotá, G. Iacobescu, I. Ghionea, N. Ionescu</i>	The influence of pieces thickness on metallographic structure of welded joints	55	(2016)	3	457-460
2329.	<i>J. Borowski, J. Sulej-Chojnacka, H. Jurczak, D. Leśniak, H. Dyja</i>	Susceptibility testing for welding of AlMg alloys intended for extrusion	55	(2016)	3	461-464
2330.	<i>C. Petriceanu, D. Dobrotá, C. Rontescu, D.T. Cicic, O. Chivu, O. Teodorescu</i>	Research of the ultrasonic testing parts reconditioned by welding	55	(2016)	3	465-468
2331.	<i>M. Lomožik, A. Zielnińska-Lipiec</i>	HAZ microstructure in joints made of X13CrMoCoVNbNB9-2-1 (PB2) steel welded with and without post-weld heat treatment	55	(2016)	3	469-472
2332.	<i>M. Bušić, Z. Kožuh, D. Klobčar, I. Samardžić</i>	Friction stir welding (FSW) of aluminium foam sandwich panels	55	(2016)	3	473-476
2333.	<i>J. Dobránsky, M. Kočíško, P. Baron, V. Simkulet, L. Běhálek, E. Vojnová, L. Nováková Marcinčinová</i>	Evaluation of the impact energy of the samples produced by the additive manufacturing technology	55	(2016)	3	477-480
2334.	<i>D. Cirtina, N. Ionescu, L. M. Cirtina</i>	Environmental impact assesment related to metallurgical industry activities	55	(2016)	3	481-484
2335.	<i>P. Švec, L. Frischerová, J. David</i>	Usage of clustering methods for sequence plan optimization in steel production	55	(2016)	3	485-488
2336.	<i>R. Rybár, M. Beer, D. Kudelas, B. Pandula</i>	Copper metal foam as an essential construction element of innovative heat exchanger	55	(2016)	3	489-492
2337.	<i>A. D. Mekhtiyev, Zh. D. Zholdubayeva, B. D. Issin, V. N. Golovachyova, A. V. Yurchenko, D. K. Issin</i>	Oxygen activity changing when simulating silicon filtering process	55	(2016)	3	493-496
2338.	<i>S. Brožová, J. Drápala, M. Kursá, P. Pustějovská, S. Jursová</i>	Leaching refuse after sphalerite mineral for extraction zinc and cobalt	55	(2016)	3	497-499
2339.	<i>S. Khouri, H. Pavolová, M. Cehlár, T. Bakalár</i>	Metallurgical brownfields RE-use in the conditions of Slovakia – a case study	55	(2016)	3	500-502
2340.	<i>V. P. Karasyov, P. V. Kovalev, A. Z. Issagulov, V. Yu. Kulikov, Y. P. Chsherbakova</i>	Iron loss in high-power arc steelmaking furnaces	55	(2016)	3	503-506
2341.	<i>P. Pokorný, P. Tej, P. Šzelag</i>	Discussion about magnesium phosphating	55	(2016)	3	507-510
2342.	<i>G. Bălan, M. D. Ungureanu, G. Dobrotá</i>	Characteristics and tendencies in the steel industry, globally and regionally	55	(2016)	3	511-514
2343.	<i>P. Gara, B. Zwolińska</i>	Model of converter dusts and iron-bearing slurries management in briquetting	55	(2016)	3	515-518

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2344.	<i>O. Pandia, I. Sărăcin, F. Văduva, I. Oncioiu, M. Ștefan, G. Dobroță</i>	Management coordinations on steel industry in the context of durable development	55	(2016)	3	519-522
2345.	<i>A. Krawczyk-Soltys, I. Vozňáková</i>	Knowledge-oriented strategies in the metal industry (empirical studies)	55	(2016)	3	523-526
2346.	<i>P. Tworek</i>	Integrated risk management in metallurgical enterprises – methodical approach	55	(2016)	3	527-530
2347.	<i>D. Burchart-Korol, M. Kruczek</i>	Depletion of abiotic resources in the steel production in Poland	55	(2016)	3	531-534
2348.	<i>P. Klaput, D. Vykydal, F. Tošenovský, P. Halfarová, J. Plura</i>	Problems of application of measurement system analysis (MSA) in metallurgical production	55	(2016)	3	535-537
2349.	<i>Gh. H. Popescu, E. Nica, R.-O. Ștefănescu-Mihăilă, G. Lăzăroiu</i>	The United States (U.S.) Steel import crisis and the global production overcapacity till 2016	55	(2016)	3	538-540
2350.	<i>L. G. Popescu, R. G. Popa, T. A. Abagi, L. Anghelescu</i>	The use of the bottom ashes and of the steelmaking slags in the manufacturing technologies of the building materials	55	(2016)	3	541-544
2351.	<i>Zh. Ashkeyev, B. Sarkenov, A. Isagulov, T. Zhukebaeva, Zh. Bukanov, G. Amangeldina, S. Mashekov</i>	Combining the casting and punching technology	55	(2016)	3	545-548
2352.	<i>I. Mamuzić</i>	12th INTERNATIONAL SYMPOSIUM “MATERIALS AND METALLURGY” 12. MEĐUNARODNI SIMPOZIJ “MATERIJALI I METALURGIJA”	55	(2016)	3	549
2353.	<i>I. Mamuzić</i>	PLENARY LECTURES	55	(2016)	3	551
2354.	<i>I. Mamuzić</i>	MATERIALS – SECTION “A”	55	(2016)	3	552-561
2355.	<i>I. Mamuzić</i>	PROCESS METALLURGY – SECTION “B”	55	(2016)	3	562-566
2356.	<i>I. Mamuzić</i>	PLASTIC PROCESSING – SECTION “C”	55	(2016)	3	567-570
2357.	<i>I. Mamuzić</i>	METALLURGY AND RELATED TOPICS – SECTION “D”	55	(2016)	3	571-576
2358.	<i>M. Zhou, T. Jiang, S. T. Yang, K. Ma, X. X. Xue, W. J. Zhang</i>	Optimization utilization of vanadium - titanium iron ore in sintering based on orthogonal method	55	(2016)	4	581-584
2359.	<i>S. T. Yang, M. Zhou, T. Jiang, X. X. Xue, P. N. Duan, W. J. Zhang</i>	Effect of CaO/SiO ₂ ratio on melting property and strength of sinter with vanadium-titanium iron ore addition	55	(2016)	4	585-588
2360.	<i>A. Kmita, J. Zych, M. Holtzer, J. Mocek, S. Piasny</i>	Ecological water-based protective coatings for moulds and cores of iron castings	55	(2016)	4	589-592
2361.	<i>C. J. Xu, Y. X. Zeng, Z. L. Wang, J. Li, S. L. Li, X. J. Zhang</i>	Magnetic field distribution in the electromagnetic feeding riser of rectangle steel ingot	55	(2016)	4	593-596
2362.	<i>G. W. Ao, M. G. Shen, Z. S. Zang, B. L. Li</i>	Study on unidirectional solidification ingot with hollow lateral wall insulation	55	(2016)	4	597-600
2363.	<i>M. G. Shen, D. H. Zhang, C. Wu, Q. Xu, Q.H.Qi</i>	Study on stirring behavior of liquid steel in bottom-blowing ladle with immersed cylinder	55	(2016)	4	601-604
2364.	<i>M. G. Shen, R. T. Zhang</i>	Study on the influence of groove mold on the character of casting	55	(2016)	4	605-608
2365.	<i>P. Schlafka, A. W. Bydalek, M. Holtzer, W. Wolczyński</i>	The influence of the ionic reactions on the refining secondary raw materials	55	(2016)	4	609-612
2366.	<i>M. Zuk, J. Gorka, A. Czupryński, M. Adamiak</i>	Properties and structure of the weld joints of quench and tempered 4330V steel	55	(2016)	4	613-616
2367.	<i>D. Klobčar, J. Tušek, M. Bizjak, S. Simončič, V. Lešer</i>	Active flux tungsten inert gas welding of austenitic stainless steel AISI 304	55	(2016)	4	617-620

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2368.	<i>K. Skomicová, G. S. Burkhanov, Y. S. Koshkid'ko, D. Růžička, T. Čegan, J. Cwik, N. B. Kolchugina, A. A. Lukin, O. Životský, K. Hrabovská</i>	Influence of heat treatment on the structural and magnetic characteristics of (Nd _x Pr _{1-x}) ₂ Fe ₁₄ B-based magnetic material for low-temperature application	55	(2016)	4	621-624
2369.	<i>R. Mola, S. Mróz, P. Szota, S. Sawicki</i>	The analysis of the plastic deformation of two-layered magnesium – aluminium alloys (AZ31 – Al)	55	(2016)	4	625-627
2370.	<i>S. Mróz, P. Szota, A. Stefanik</i>	The theoretical and experimental analysis of the possibility of employing the groove rolling process for the manufacture of Mg/Al bimetallic bars	55	(2016)	4	628-630
2371.	<i>I. Jandričić, S. Rešković, F. Vodopivec</i>	Determining the amount of Lüders band in niobium microalloyed steel	55	(2016)	4	631-634
2372.	<i>K. Laber, H. Dyja, A. Kawalek, S. Sawicki</i>	Determination of characteristics of plasticity of selected medium and high carbon steel grades in hot torsion test	55	(2016)	4	635-638
2373.	<i>A. Kawalek</i>	The effect of relative deformation on the energy-force parameters in the asymmetrical plate rolling process	55	(2016)	4	639-642
2374.	<i>S. Sawicki, H. Dyja, A. Kawalek, M. Knapiński, M. Kwapisz, K. Laber</i>	High-temperature characteristics of 20MnB4 and 30MnB4 micro-addition cold upsetting steels and C45 and C70 high-carbon-steels	55	(2016)	4	643-646
2375.	<i>R. Kruzel, M. Suliga</i>	The impact of the heat treatment parameters on patenting line on mechanical-technological properties of steel cord wires	55	(2016)	4	647-650
2376.	<i>M. Suliga, R. Kruzel</i>	The influence of lubricant carrier and lubrication conditions on mechanical-technological properties of high carbon steel wires	55	(2016)	4	651-654
2377.	<i>S. Rusz, I. Schindler, P. Kawulok, R. Kawulok, P. Opěla, J. Kliber, Z. Solowski</i>	Phase transformation and cooling curves of the mild steel influenced by previous hot rolling	55	(2016)	4	655-658
2378.	<i>K. Gawdzińska, L. Chybowski, J. A. Bejger, S. Krile</i>	Determination of technological parameters of saturated composites based on SiC by means of a model liquid	55	(2016)	4	659-662
2379.	<i>D. I. Băilă, C. V. Doicin, C. M. Cotruț, M. E. Ulmeanu, I. G. Ghionea, C. I. Tarbă</i>	Sintering the beaks of the elevator manufactured by direct metal laser sintering (DMLS) process from Co - Cr alloy	55	(2016)	4	663-666
2380.	<i>M. Losertová, M. Štamborská, J. Lapin, V. Mareš</i>	Comparison of deformation behavior of 316L stainless steel and Ti6Al4V alloy applied in traumatology	55	(2016)	4	667-670
2381.	<i>A. Milinović, V. Marušić, I. Samardžić</i>	Research into boride layers growth kinetics on C45 carbon steel	55	(2016)	4	671-674
2382.	<i>V. Brozek, P. Pokorný, P. Bouska, J. Stouřil, L. Mastny</i>	Corrosion properties of chromia based eco - friendly coatings on mild steel	55	(2016)	4	675-678
2383.	<i>M. Madej, D. Ozimina, R. Galuszka, G. Galuszka</i>	Corrosion, friction and wear performance of diamond – like carbon (DLC) coatings	55	(2016)	4	679-682
2384.	<i>L. Dahil</i>	Research on vibration damping on computer power supply box made of castermid material	55	(2016)	4	683-686
2385.	<i>J. G. He, Y. Li, X. X. Xue, H. Q. Ru, X. W. Huang, H. Yang</i>	Cyclic voltammetry study of Ce(IV)/Ce(III) redox couple and Ce(IV)-F complex in sulfuric acid medium	55	(2016)	4	687-690
2386.	<i>V. Pepel, A. Žerovnik, R. Kunc, I. Prebil</i>	Crack growth through low-cycle fatigue loading of material ARMOX 500T	55	(2016)	4	691-693
2387.	<i>M. Jodkowski, J. Labaj, J. Brzóška, D. Jama</i>	Binder fraction reduction in non-ferrous metals concentrates briquetting process	55	(2016)	4	694-696
2388.	<i>L. Řeháčková, R. Dudek, S. Rosypalová, D. Matýsek, J. Dobrovská</i>	Comprehensive study of rheological and surface properties of the selected slag system in the context of its internal structure	55	(2016)	4	697-700
2389.	<i>L. Čamek, P. Lichý, I. Kroupová, J. Duda, J. Beňo, M. Korbáš, F. Radkovský, S. Bliznyukov</i>	Effect of cast steel production metallurgy on the emergence of casting defects	55	(2016)	4	701-704

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2390.	<i>S. Medić, J. Groš, A. Horvatić, Ž. Kondić, L. Maglić</i>	Measurement of casting parameters in ZnAlCu ₃ molds created by additive technology	55	(2016)	4	705-708
2391.	<i>A. Issagulov, N. Ospanov, A. Bayssanov, Ye. Makhambetov, D. Issagulova</i>	Studying possibility of smelting refined ferromanganese grades using silicon aluminum reducer	55	(2016)	4	709-711
2392.	<i>H. Pavolová, S. Khouri, M. Cehlár, L. Domaracká, M. Puzder</i>	Modelling of copper and zinc adsorption onto zeolite	55	(2016)	4	712-714
2393.	<i>P. V. Kovalev, S. V. Ryaboshuk, A. Z. Issagulov, V. Yu. Kulikov, Sv. S. Kvon, Y. P. Chsherbakova, G. I. Sultamurat, M. V. Jironkin</i>	Improving production technology of tube steel grades in converter process	55	(2016)	4	715-718
2394.	<i>I. Špička, M. Heger, O. Zimný, Z. Jančíková, T. Tykva</i>	Optimizing the model of heating the material in the reheating furnace in metallurgy	55	(2016)	4	719-722
2395.	<i>S. Gil, W. Bialik, J. Ochman</i>	Analysis of fuel savings in metallurgical furnaces with protective atmosphere	55	(2016)	4	723-726
2396.	<i>I. Bartenev, A. Issagulov, A. Baysanov, V. Roshchin, E. Makhambetov, G. Sirgetayeva, D. Issagulova</i>	Studying microstructure and phase composition of a new complex calcium containing alloy	55	(2016)	4	727-729
2397.	<i>V. Marušić, I. Samardžić, I. Opačak, L. Marušić</i>	Influence of induction hardening parameters on the GS30Mn5 weld properties	55	(2016)	4	730-732
2398.	<i>J. Kulhánek, P. Tomčík, R. Trojan, M. Juránek, P. Klaus</i>	Experimental modeling of weld thermal cycle of the heat affected zone (HAZ)	55	(2016)	4	733-736
2399.	<i>J. Tušek, D. Klobčar</i>	Tungsten inert gas (TIG) welding of aluminum alloy EN AW-AlZn5.5MgCu	55	(2016)	4	737-740
2400.	<i>A. Macháčková, P. Kuchta, Z. Klečková, R. Kocich, J. Szwed</i>	Numerical simulation of the heat treatment of the weld for steam generator	55	(2016)	4	741-744
2401.	<i>B. Kalandyk, R. Zapala, J. Kasińska, B. Radoń</i>	Impact strength of GX8CrNi12, GX5CrNi18-9 and GX5CrNiMo19-11-2 cast steel at - 30 °C	55	(2016)	4	745-748
2402.	<i>J. Kasińska</i>	Modification influence of mischmetal on fractography fracture of G17CrMo5-5 cast steel samples after the three-point bending test	55	(2016)	4	749-752
2403.	<i>M. Mihalíková, A. Lišková</i>	Dynamic characteristics of automotive steel sheets	55	(2016)	4	753-756
2404.	<i>J. Drápala, S. Brožová, I. Szurman, K. Konečná, G. Kostiuková, J. Vontorová, P. Jonšta, K. Sobotková</i>	Influence of selected rare earth metals on structural characteristics of 42CrMo4 steel	55	(2016)	4	757-760
2405.	<i>I. Matin, M. Hadžistević, Đ. Vukelić, B. Trifković, M. Potran, T. Brajljih, I. Drstvenšek</i>	Advanced procedure for fabrication of substructure in dentistry	55	(2016)	4	761-764
2406.	<i>T. Karkoszka</i>	Factors influencing the requirements fulfilment in the zinc coating processes	55	(2016)	4	765-768
2407.	<i>A. C. Murariu, S. Crâstești, I. Samardzic</i>	Detection of adherence imperfections at the interface of substrate-coating layer by using infrared thermography	55	(2016)	4	769-771
2408.	<i>A. Gryc, T. Bajor, H. Dyja</i>	The analysis of influence the parameters of rolling process in three high skew rolling mill of AZ31 magnesium alloy bars on temperature distribution	55	(2016)	4	772-774

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2409.	<i>V. A. Andreyachshenko, M. K. Ibatov, D.A. Issagulova</i>	Initial porosity impact on equal channel angular pressing (ECAP) of Ti–6Al–4V powder material	55	(2016)	4	775-778
2410.	<i>F. Tošenovský, D. Vykydal, P. Klaput, P. Halfarová</i>	Stochastic optimization of laboratory test workflow at metallurgical testing centers	55	(2016)	4	779-782
2411.	<i>P. Wicher, F. Zapletal, R. Lenort, D. Staš</i>	Measuring the metallurgical supply chain resilience using fuzzy analytic network process	55	(2016)	4	783-786
2412.	<i>A. D. Mekhtiyev, Zh. D. Zholdubayeva, B. D. Issin, E. G. Ogoltsova, A. V. Yurchenko, D. K. Issin</i>	Method of silicon filter refining from harmful impurities	55	(2016)	4	787-789
2413.	<i>L. Blacha, J. Brzóška</i>	The use of the balanced scorecard in evaluating the results of the innovations implemented in metallurgical companies	55	(2016)	4	790-792
2414.	<i>V. Pečínková, Z. Lenčář, Z. Jonšta</i>	Gas pressure sintered Si ₃ N ₄ – MgSiN ₂ composites	55	(2016)	4	793-795
2415.	<i>H. H. Yu, X. Li, Z. G. Yuan</i>	Synthesis and characterization hollow spherical La _{0.7} Sr _{0.2} Ca _{0.1} Co _{0.95} Fe _{0.1} O _{3-δ} (LSCCT) for cathode of solid oxide fuel cell (SOFC)	55	(2016)	4	796-798
2416.	<i>M. Gombár, J. Kmec, M. Badida, L. Sobotová, A. Vagaská, A. Badidová</i>	Analysis of physical factors on chosen properties of anodic alumina oxide (AAO) layers and environment	55	(2016)	4	799-802
2417.	<i>J. Calus Moszko, B. Bialecka, M. Cempa-Balewicz, H. Świnder</i>	Evaluating the possibilities of obtaining initial concentrates of rare earth elements (REEs) from fly ashes	55	(2016)	4	803-806
2418.	<i>B. Gajdzik, J. Sitko</i>	Steel mill products analysis using qualities methods	55	(2016)	4	807-810
2419.	<i>H. Golaś, A. Mazur, B. Mrugalska</i>	Application of risk analysis and quality control methods for improvement of lead molding process	55	(2016)	4	811-814
2420.	<i>C. Narayanaswamy, K. Natarajan</i>	Optimization of casting defects analysis with supply chain in cast iron foundry process	55	(2016)	4	815-817
2421.	<i>J. Korol, M. Kruczek, M. Pichlak</i>	Material and energy flow analysis (MEFA) – first step in eco-innovation approach to assessment of steel production	55	(2016)	4	818-820
2422.	<i>A. Kujawinska, M. Rogalewicz, M. Pilacińska, A. Kochański, A. Hamrol, M. Diering</i>	Application of dominance-based rough set approach (DRSA) for quality prediction in a casting process	55	(2016)	4	821-824
2423.	<i>S. Gil, J. Ochman, W. Bialik</i>	A thermal study of pipes with outer transverse fins	55	(2016)	4	825-828
2424.	<i>V. A. Andreyachshenko</i>	Finite element simulation (FES) of the fullering in device with movable elements	55	(2016)	4	829-831
2425.	<i>R. Radić, Ž. Milošević, S. Jurić, S. Čudić</i>	Flotation of ores and waste waters	55	(2016)	4	832-834
2426.	<i>J. Kliber</i>	Advanced forming technology	55	(2016)	4	835-838
2427.	<i>K. Kaczmarek, B. Grabowska, D. Drożyński, A. Bobrowski, Ż. Kurleto, Ł. Szymański</i>	Modified polysaccharides as alternative binders for foundry industry	55	(2016)	4	839-842
2428.	<i>J. Łuczak, R. Wolniak</i>	Integration of quality, environment and safety management systems in a foundry	55	(2016)	4	843-845
2429.	<i>A. V. Todorut, L. Paliu-Popa, V. S. Tselentis, D. Cirnu</i>	Sustainable cost reduction by lean management in metallurgical processes	55	(2016)	4	846-848
2430.	<i>D. Wilk-Kolodziejczyk, B. Mrzyglód, K. Regulski, I. Olejarczyk-Woźeńska, K. Jaśkowiec</i>	Influence of process parameters on the properties of austempered ductile iron (ADI) examined with the use of data mining methods	55	(2016)	4	849-851
2431.	<i>L. I. Cioca, L. Ivascu</i>	Investigating occupational diseases in the metallurgical industry	55	(2016)	4	852-854
2432.	<i>J. Machnik-Słomka, P. Kordel</i>	Significance of technological entrepreneurship and creativity in metallurgical enterprises	55	(2016)	4	855-858

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2433.	A. V. Todorut, L. Paliu-Popa, D. Cirnu	Interdependence between iron ore production and maritime transport	55	(2016)	4	859-861
2434.	I. Mamuzić	13 th International Symposium of Croatian Metallurgical Society »Materials and Metallurgy« SHMD '2018, Croatia, Šibenik, June, 17 – 22, 2018 FIRST CIRCULAR – CALL FOR PAPERS	55	(2016)	4	862-864
2435.	E. Kardas, Z. Skuza	Evaluation of effectiveness of raw materials and materials use in a blast furnace department of a steelworks	56	(2017)	1-2	5-8
2436.	D. Wang, Z. Zhao, G. L. Tan, S. Zhang, Q. Wang	An investigation of the decomposition mechanism of calcium carbonate	56	(2017)	1-2	9-12
2437.	J. Burja, F. Tehovnik, F. Vode, M. Godec, B. Arh, J. Medved	Precipitation of metallic chromium during rapid cooling of Cr ₂ O ₃ slags	56	(2017)	1-2	13-16
2438.	B. Gal, K. Granat, D. Nowak	Effect of compaction degree on permittivity of water-glass containing moulding sand	56	(2017)	1-2	17-20
2439.	A. Kmita, A. Rocznik, M. Holtzer	The identification of pyrolysis products of the alphasit binder with gas chromatography/mass spectrometry	56	(2017)	1-2	21-24
2440.	A. Vaško, J. Belan, L. Kuchariková, E. Tillová	Low and high frequency fatigue tests of nodular cast irons	56	(2017)	1-2	25-28
2441.	A. Kmita, J. Żukrowski, K. Hodor, H. Smogór, M. Sikoram, Sikora	Zinc ferrite nanoparticles as perspective functional materials for applications in casting technologies	56	(2017)	1-2	29-32
2442.	R. Ulewicz, P. Tomski	The effect of high-frequencies loading on the fatigue cracking of nodular cast iron	56	(2017)	1-2	33-36
2443.	W. W. Mao, C. X. Li, H. Lu, H. Li	Investigation of gaseous desiliconization in basic oxygen furnace (BOF)	56	(2017)	1-2	37-39
2444.	B. Arh, F. Tehovnik, J. Burja, F. Vode	Change of mould flux properties during continuous casting of ferritic stainless steel	56	(2017)	1-2	40-42
2445.	X. J. Zhang, C. J. Xu, Z. Y. Wang, J. Li, L. W. Zhang, X. D. Peng	Studying as - cast microstructure of the cold core (CC) ingot	56	(2017)	1-2	43-46
2446.	E. Tillová, L. Kuchariková, M. Chalupová, J. Belan, A. Vaško, I. Švecová	Influence of laser surface hardening on corrosion properties of Al-Zn-Si cast alloy	56	(2017)	1-2	47-50
2447.	J. Węgrzyn, A. Mościcki, T. Borecki	Determination of the content of silicon carbide by mass balance and analysis of oxygen and carbon content	56	(2017)	1-2	51-54
2448.	K. Milewski, J. Kudliński, M. Madej, D. Ozimina	The interaction between diamond like carbon (DLC) coatings and ionic liquids under boundary lubrication conditions	56	(2017)	1-2	55-58
2449.	R. Bęczkowski	Effect of cladding parameters on the hardness of bimetal plates	56	(2017)	1-2	59-62
2450.	F. Tehovnik, J. Burja, B. Arh, F. Vode	Precipitation of s phase in superaustenitic stainless steel UHB 904L	56	(2017)	1-2	63-66
2451.	R. Jasionowski, W. Polkowski, D. Zasada	Relationship between crystallographic texture and cavitation resistance of as-cast X8CrNi25-21 and X6CrAl13 steels	56	(2017)	1-2	67-70
2452.	M. Torres-López, L. Guerra-Fuentes, L.Y. Gomez-Zamorano, M.A.L. Hernandez-Rodriguez, E. Garcia-Sanchez	Thermal and phase transformations analysis in a PREMOMET® steel	56	(2017)	1-2	71-74
2453.	J. Jaworski, T. Trzpieciński	Properties of low-alloy high-speed steel at elevated temperature	56	(2017)	1-2	75-78
2454.	V. Brozek, M. Vokac, J. Kolisko, P. Pokorny, T. F. Kubatik	Incorporation of tungsten metal fibers in a metal and ceramic matrix	56	(2017)	1-2	79-82
2455.	J. Borowiecka-Jamrozek, J. Lachowski	The effect of the properties of the metal matrix on the retention of a diamond particle	56	(2017)	1-2	83-86
2456.	M. Sedlaček, B. Podgornik, D. Česnik	Influence of heat treatment and K _{1c} /HRc ratio on the dynamic wear properties of coated high speed steel	56	(2017)	1-2	87-90
2457.	J. Cárcel-Carrasco, M. Pascual, M. Pérez-Puig, F. Segovia	Comparative study of TIG and SMAW root welding passes on ductile iron cast weldability	56	(2017)	1-2	91-93

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2458.	<i>M. Vaško, M. Blatnický, P. Kopas, M. Sága</i>	Research of weld joint fatigue life of the AlMgSi07.F25 aluminium alloy under bending-torsion cyclic loading	56	(2017)	1-2	94-98
2459.	<i>P. Kopas, M. Blatnický, M. Sága, M. Vaško</i>	Identification of mechanical properties of weld joints of AlMgSi07.F25 aluminium alloy	56	(2017)	1-2	99-102
2460.	<i>S. Barannikova, A. Bochkareva, Yu. Li, A. Lunev, G. Shlyakhova, L. Zuev</i>	Research of the plastic flow of electrolytically saturated with hydrogen (He) Al-Cu-Mg alloy	56	(2017)	1-2	103-106
2461.	<i>T. Dembiczak, M. Knapinski, B. Garbarz</i>	Mathematical modeling of phenomena of dynamic recrystallization during hot plastic deformation in high-carbon bainitic steel	56	(2017)	1-2	107-110
2462.	<i>F. Vode, J. Burja, F. Tehovnik, B. Arh</i>	Lumped parameter model with inner state variables for modeling hot deformability of steels	56	(2017)	1-2	111-114
2463.	<i>R. Ulewicz, F. Novy</i>	Fatigue life of high strength steel for cold forming	56	(2017)	1-2	115-118
2464.	<i>A. Mashekova, A. Turdaliev, A. Kawalek, S. Mashekov, U. Murzakhmetova, L. Kurmangaliyeva, N. Smagulova</i>	Ultrafinegrained structure of D16 aluminium alloy after rolling in the corrugated rolls and on the longitudinal-wedge mill	56	(2017)	1-2	119-122
2465.	<i>X. D. Shu, J. Wei, C. Liu</i>	Study on the control of end quality by one closed cross wedge rolling based wedge block	56	(2017)	1-2	123-126
2466.	<i>Q. Yue, C. B. Zhang, X. Z. Wang</i>	Mathematical simulation for effects of flow control devices in two-strand slab tundish	56	(2017)	1-2	127-130
2467.	<i>P. Besta, P. Wicher</i>	The optimization of the production of sinter as the feedstock of the blast furnace process	56	(2017)	1-2	131-134
2468.	<i>T. Kovalyova, E. Eremin, S. Arinova, I. Medvedeva, A. Dostayeva</i>	Enhancing surface roughness of castings when sand-resin mold casting	56	(2017)	1-2	135-138
2469.	<i>E. Kolczyk, Z. Mieczkowski, J. Czernecki</i>	Some aspects of model calculations of converter slag reduction process	56	(2017)	1-2	139-141
2470.	<i>T. Lis, K. Nowacki, K. Łakomy</i>	Determination of physico-chemical properties of fine-grained waste from the cleaning of iron casting	56	(2017)	1-2	142-144
2471.	<i>L. Kuchariková, E. Tillová, J. Belan, A. Vaško, I. Švecová</i>	Quantitative assessment of Aluminium cast Alloys` structural parameters to optimize ITS properties	56	(2017)	1-2	145-148
2472.	<i>S. Savičević, H. Avdušinović, A. Gigović-Gekić, Z. Jurković, M. Vukčević, M. Janjić</i>	Influence of the austempering temperature on the tensile strength of the austempered ductile iron (ADI) samples	56	(2017)	1-2	149-152
2473.	<i>L. León, G. León, J. Senent, M. A. Guzmán</i>	Comparative study of copper (II) removal/recovery from aqueous solutions by bulk liquid membranes containing six different carriers	56	(2017)	1-2	153-156
2474.	<i>J. Bocan, M. Sidorová, M. Šofranko</i>	Thermodynamic study of metal sulphides conversion to oxides in hydrometallurgy	56	(2017)	1-2	157-160
2475.	<i>R. Klempka</i>	Design of C-TYPE passive filter for arc furnaces	56	(2017)	1-2	161-163
2476.	<i>Š. Salokyová, J. Dobránský, A. Panda</i>	Monitoring the intensity of mechanical vibration during the processing of chrome steel 14109	56	(2017)	1-2	164-166
2477.	<i>J. Belan, L. Kuchariková, E. Tillová, A. Vaško</i>	The influence of applied heat-treatment on in 718 fatigue life at three point flexural bending	56	(2017)	1-2	167-170
2478.	<i>M. Basiaga, W. Walke, D. Nakonieczny, A. Hyla</i>	Physicochemical properties of TiO ₂ nanoparticle thin films deposited on stainless steel	56	(2017)	1-2	171-174
2479.	<i>K. Semrád, K. Draganová</i>	Methodology for repeated load analysis of composite structures with embedded magnetic microwires	56	(2017)	1-2	175-178
2480.	<i>W. Walke, M. Kaczmarek, M. Staszuk, M. Basiaga</i>	Influence of purge, time of waiting and TiCl ₄ dosing time in a low-pressure atomic layer deposition (ALD) reactor on properties of TiO ₂ layer	56	(2017)	1-2	179-181
2481.	<i>M. Suliga</i>	The influence of drawing speed on surface topography of high carbon steel wires	56	(2017)	1-2	182-184
2482.	<i>M. I. Neacșu, E. R. Chiriac, A. Chiriac, O. Pandia, I. Saracin</i>	Technological parameters optimization of the AlZn5Mg3Cu alloy thermomechanical treatment process	56	(2017)	1-2	185-187

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2483.	<i>T. Karkoszka</i>	Environmental assessment of the hot-dip galvanization processes	56	(2017)	1-2	188-190
2484.	<i>G. Galuszka, M. Madej, D. Ozimina, J. Kasińska, R. Galuszka</i>	The characterisation of pure titanium for biomedical applications	56	(2017)	1-2	191-194
2485.	<i>R. Galuszka, M. Madej, D. Ozimina, A. Krzyszkowski, G. Galuszka</i>	The characterisation of the microstructure and mechanical properties of diamond - like carbon (DLC) for endoprosthesis	56	(2017)	1-2	195-198
2486.	<i>A. B. Naizabekov, S. N. Lezhnev, H. Dyja, T. Bajor, K. Tsay, A. Arbut, N. Gusseyinov, R. Nemkaeva</i>	The effect of cross rolling on the microstructure of ferrous and non-ferrous metals and alloys	56	(2017)	1-2	199-202
2487.	<i>M. Sapieta, A. Sapietova, V. Dekys</i>	Comparison of the thermoelastic phenomenon expressions in stainless steels during cyclic loading	56	(2017)	1-2	203-206
2488.	<i>I. Samardžić, M. Dunđer, M. Katinić, N. Krnić</i>	Weldability investigation on real welded plates of fine-grained high-strength steel S960QL	56	(2017)	1-2	207-210
2489.	<i>A. Zhiguo, L. Zhengfang, F. Tianhua, Q. Jianjian</i>	The study on an automotive refill opening cap preforming process based on single point incremental forming	56	(2017)	1-2	211-214
2490.	<i>M. I. Neacșu, R. E. Chiriac, A. Chiriac, O. Pandia, I. Saracin</i>	Experimental research on the influence of soaking aging type on some mechanical properties of the alloy AlZn5,7MgCu	56	(2017)	1-2	215-218
2491.	<i>D. Malindžák, P. Kačmáry, B. Zatwarnicka-Madura, D. Zimon</i>	The continual chemical changing aspects in metallurgy production scheduling	56	(2017)	1-2	219-222
2492.	<i>A. Šliwa, M. Bonek</i>	Application of Finite Element Method (FEM) for definition of the relationship between properties of laser alloyed steel surface layer	56	(2017)	1-2	223-225
2493.	<i>M. Pástor, P. Trebuňa, F. Trebuňa, F. Šimčák</i>	The failure analysis of the holder of a crusher moving knife	56	(2017)	1-2	226-228
2494.	<i>K. Kostúr</i>	Process check of annealing process of coiled sheets by indirect measurement	56	(2017)	1-2	229-232
2495.	<i>P. Trebuňa, M. Pástor, F. Trebuňa, F. Šimčák</i>	The analysis of failure causes of the rotor shaft of steam turbines	56	(2017)	1-2	233-236
2496.	<i>J. Kondela, S. Jacko, L. Vizi</i>	Spatial variability change of MgO content in Jelsava magnesite deposit (Slovakia)	56	(2017)	1-2	237-240
2497.	<i>B. Gajdzik</i>	Prognostic modeling of total steel production and according to production technology in Poland	56	(2017)	1-2	241-244
2498.	<i>P. Trebuňa, A. Petriková, M. Pekarčíková, M. Petrik, R. Popovič</i>	Economic evaluation of investment project in the area of sheet metal processing	56	(2017)	1-2	245-248
2499.	<i>J. Suchacek, A. Samolejova, P. Seda</i>	Metallurgy in the Czech Republic: a spatio-temporal view	56	(2017)	1-2	249-251
2500.	<i>L. Paliu-Popa, I.E. Chirtoc, G. Bușan, A.V. Todoruț</i>	Interdependence between the steel castings and manufacture of machines and equipment	56	(2017)	1-2	252-254
2501.	<i>M. N. Dudin, N. A. Voykova, E. E. Frolova, J. A. Artemieva, E. P. Rusakova, A. H. Abashidze</i>	Modern trends and challenges of development of global aluminum industry	56	(2017)	1-2	255-258
2502.	<i>A.V. Todoruț, D. Cirtina, L. M. Cirtina</i>	CO ₂ abatement in the iron and steel industry - the case for carbon capture and storage (CCS)	56	(2017)	1-2	259-261
2503.	<i>A. Garbacz-Klempka, M. Wołoszyn, T. Dzieńkowski, Z. Kwak, P. Długosz, K. Saja</i>	The technology transfer of non-ferrous alloys casting during the middle age	56	(2017)	1-2	262-264
2504.	<i>T. Sadílek</i>	Regional distribution of the metallurgical industry in the Czech Republic	56	(2017)	1-2	265-268
2505.	<i>K. Nowacki, T. Lis, H. Kania</i>	Environment-friendly management of iron-bearing metallurgical waste	56	(2017)	1-2	269-271

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2506.	<i>M. Cioca, L. Ivascu, L.I. Cioca</i>	Safety performance indicators in the metallurgical industry using WEB programming	56	(2017)	1-2	272-274
2507.	<i>J. Vveinhardt, W. Sroka</i>	Mobbing and harassment in the steel enterprises	56	(2017)	1-2	275-278
2508.	<i>B. Gajdzik</i>	Prognostic modeling of total global steel production	56	(2017)	1-2	279-282
2509.	<i>I. Mamuzić</i>	Zahvala recenzentima / Acknowledgement to reviewers Metalurgija 55 (2016) 1-4, 1-864	56	(2017)	1-2	283
2510.	<i>I. Mamuzić</i>	Godišnja skupština Hrvatskog metalurškog društva (HMD) Annual Assembly of Croatian Metallurgical Society(CMS) Šibenik, Solaris Holiday Resort June 20, 2016	56	(2017)	1-2	284
2511.	<i>I. Mamuzić</i>	Zapisnik sa sastanka Uredničkog odbora časopisa Metalurgija / Minutes of the Meeting of the Editorial Board of the Journal Metalurgija	56	(2017)	1-2	285-286
2512.	<i>I. Mamuzić</i>	Survey of 12 th International Symposium of CMS, SHMD `2016, »Materials and Metallurgy«, Šibenik	56	(2017)	1-2	287-288
2513.	<i>M. Warzecha, A. M. Hutny, P. Warzecha, T. Merder, B. Jędrysiak</i>	Methodology of inclusions removing from steel flowing through the tundish	56	(2017)	3-4	291-293
2514.	<i>G. D. Liu, K. Liu, F. Xing</i>	Magnesite base desulfurizer of metallurgical physical chemistry research	56	(2017)	3-4	294-296
2515.	<i>W. Z. Lv, K. Liu, L. Y. Wang, Y. H. Pan</i>	Multiphase flow numerical simulation of ladle bottom powder injection	56	(2017)	3-4	297-300
2516.	<i>Z. S. Zhang, R. T. Zhang, M. G. Shen, G. W. Ao</i>	The simulation study on central porosity of 450 mm diameter steel electrode ingot	56	(2017)	3-4	301-303
2517.	<i>A. W. Orłowicz, M. Tupaj, M. Mróz, G. Wnuk, T. Kij, L. Kozak</i>	Abrasive wear resistance of a quenched and sub-zero treated high-chromium white cast iron	56	(2017)	3-4	304-306
2518.	<i>N. Zeelanbasha, V. Senthil, B. Sharon Sylvester, N. Balamurugan</i>	Modeling and experimental investigation of LM26 pressure die cast process parameters using multi objective genetic algorithm (MOGA)	56	(2017)	3-4	307-310
2519.	<i>Y. J. Zhang, I. B. Wu, H. Y. Zhao, X. D. Hu, W. Y. Zhang, D. Y. Ju</i>	Adaptive fuzzy control design for the molten steel level in a strip casting process	56	(2017)	3-4	311-314
2520.	<i>M. G. Shen, Z. S. Zang, K. P. Shu</i>	Mathematics simulation and experiments of continuous casting with strip feeding in mold	56	(2017)	3-4	315-318
2521.	<i>S. Malej, J. Medved, B. Š. Batič, F. Tehovnik, M. Godec</i>	Microstructural evolution of inconel 625 during thermal aging	56	(2017)	3-4	319-322
2522.	<i>B. Žužek, F. Kafexhiu, B. Podgornik, F. Vodopivec</i>	Effect of carbides size and distribution on creep rate	56	(2017)	3-4	323-325
2523.	<i>C. Zitelli, S. Mengaroni, A. Di Schino</i>	Vanadium micro-alloyed high strength steels for forgings	56	(2017)	3-4	326-328
2524.	<i>P. Snopiński, T. Tański, M. Sroka, M. Kremzer</i>	The effect of heat treatment conditions on the structure evolution and mechanical properties of two binary Al-Mg aluminium alloys	56	(2017)	3-4	329-332
2525.	<i>M. Sroka, A. Zieliński, A. Hernas, Z. Kania, R. Rozmus, T. Tański, A. Śliwa</i>	The effect of long-term impact of elevated temperature on changes in the microstructure of inconel 740H alloy	56	(2017)	3-4	333-336
2526.	<i>G. Napoli, S. Mengaroni, M. Rallini, L. Torre, A. Di Schino</i>	Interrupted quenching in high carbon steels for forgings	56	(2017)	3-4	337-340
2527.	<i>P. Skubisz</i>	Controlled austempering of hammer forgings aimed at pseudo normalized microstructure directly after deformation	56	(2017)	3-4	341-344
2528.	<i>P. E. Di Nunzio, A. Di Schino</i>	Contact fatigue phenomena in back-up rolls of alloyed steels	56	(2017)	3-4	345-348
2529.	<i>A. Di Schino</i>	Analysis of phase transformation in high strength low alloyed steels	56	(2017)	3-4	349-352
2530.	<i>F. Kafexhiu, F. Vodopivec, B. Podgornik</i>	Analysis of primary creep in simulated heat affected zone (HAZ) of two 9 - 12 % Cr Steel grades	56	(2017)	3-4	353-356

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2531.	<i>T. Šolić, D. Marić, Ž. Jagodić, I. Samardžić</i>	Testing of the shopprimer's influence on the quality of welded joint	56	(2017)	3-4	357-360
2532.	<i>T. Milek</i>	The effect of upsetting ratio on mechanical properties for hydromechanically bulged axisymmetric components made from copper tubes	56	(2017)	3-4	361-363
2533.	<i>W. Depczyński, L. Nowakowski, P. Hepner, E. Miko</i>	The influence of porosity on machinability of sintered foam elements	56	(2017)	3-4	364-366
2534.	<i>S. A. Mashekov, A. E. Nurtazayev, E. Z. Nugman, A. S. Mashekova, M. L. Rakhmatulin, A. I. Poleshchuk</i>	Influence of the stands construction on the vibration of the working and backup rolls of the longitudinal-wedge mill	56	(2017)	3-4	367-370
2535.	<i>P. Srisattayakul, C. Saikaew, A. Wisitorsaat</i>	Effects of hard chrome and MoN-coated stainless steel on wear behaviour and tool life model under two-body abrasion wear testing	56	(2017)	3-4	371-374
2536.	<i>L. Dahil</i>	Effect on the vibration of the suspension system	56	(2017)	3-4	375-378
2537.	<i>A. Z. Issagulov, Sv. S. Kvon, V. Yu. Kulikov, T. Kovalyova</i>	Studying intermetallic phase of Ni-Cr superalloy after thermal processing	56	(2017)	3-4	379-381
2538.	<i>S. Sv. Kvon, A. Issagulov, V. Kulikov, I. Medvedeva, S. Arinova</i>	Studying heat treatment impact on heat resisting properties of Cr-Ni – A. E. system alloy	56	(2017)	3-4	382-384
2539.	<i>K. Gryc, M. Strouhalová, B. Smetana, M. Kawuloková, S. Zlá, L. Socha, K. Michalek, M. Tkadlečková, A. Kalup, P. Jonšta, M. Sušovský</i>	Determination of solidus and liquidus temperatures for bearing steel by thermal analysis methods	56	(2017)	3-4	385-388
2540.	<i>M. Spilka, A. Kania, R. Nowosielski, A. Maciej</i>	Fabrication and selected properties of multilayer Fe/Cu systems	56	(2017)	3-4	389-392
2541.	<i>P. V. Kovalev, S. D. Popova, A. Z. Issagulov, V. Yu. Kulikov, Sv. S. Kvon</i>	Investigation of the effect of high strength strips steel modification with rare-earth metal (REM)	56	(2017)	3-4	393-395
2542.	<i>L. Ambriško, M. Cehlár, D. Marasová</i>	The rate of stable crack growth (SCG) in automotive steels sheets	56	(2017)	3-4	396-398
2543.	<i>A. Z. Issagulov, Sv. S. Kvon, V. Yu. Kulikov, D. R. Aubakirov, D. A. Issagulova</i>	Deoxidation impact on the impurity index of heat resistant steel 40H15N7G7F2MS	56	(2017)	3-4	399-401
2544.	<i>T. Bakalár, H. Pavolová, S. Khouri, I. Pristášová</i>	Influence of additives on decrease of temperature of slag flow from energy coal in wet bottom boiler	56	(2017)	3-4	402-404
2545.	<i>P. Pastorek, P. Novák, P. Kopas, M. Močilan</i>	Finite element analysis of bond behavior in a steel reinforced concrete structure strengthened carbon fibre reinforced polymer (CFRP) strips	56	(2017)	3-4	405-408
2546.	<i>V. Yu. Kulikov, A. Z. Issagulov, Sv. S. Kvon, Ye. A. Sidorina</i>	Studying the effect of boron on heat-resistance properties of Ni-Cr alloys	56	(2017)	3-4	409-411
2547.	<i>S. Spadlo, W. Depczyński, P. Mlynarczyk</i>	Selected properties of high velocity oxy liquid fuel (HVOLF) - sprayed nanocrystalline WC-CO INFRALLOY™ S7412 coatings modified by high energy electric pulse	56	(2017)	3-4	412-414
2548.	<i>A. W. Orłowicz, M. Mróz, M. Tupaj, B. Kupiec, L. Kozak, T. Kij</i>	Application of ceramic coating to improve abrasive wear resistance of die inserts used to press-mould stampings of refractories	56	(2017)	3-4	415-418
2549.	<i>J. Mikula, W. Grzegorzek, K. Golombek, D. Łukowiec, M. Sroka</i>	Functional properties of coated by chemical vapour deposition sintered tool materials investigated with use of tribological tests	56	(2017)	3-4	419-421
2550.	<i>A. Śliwa, W. Kwaśny, M. Sroka, R. Dziwis</i>	Computer simulation of the aluminium extrusion process	56	(2017)	3-4	422-424
2551.	<i>M. Górska, R. Prusak</i>	Identification and assessment of the need to improve the operation of production systems in the metal sector enterprises	56	(2017)	3-4	425-428

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2552.	<i>V. D. Sekerin, M. N. Dudin, S. V. Bank, A. E. Gorohova, Y. G. Lesnykh</i>	Vertically integrated holdings in the system of developing the national complex of iron and steel industry of Russia	56	(2017)	3-4	429-431
2553.	<i>I. Mamuzić</i>	Zahvala recenzentima / Acknowledgement to reviewers, (2017) 1-4	56	(2017)	3-4	432
2554.	<i>I. Mamuzić, Predsjednik HMD-a / President of CMS</i>	Postignuća Hrvatskog metalurškog društva (HMD) 1952. – 2017. godine / Achievements of Croatian Metallurgical Society (CMS) 1952 – 2017 Y	57	(2018)	1-2	3-17
2555.	<i>C. Tian, Q. H. Pang, Z. J. He, J. H. Zhang, X. T. Zhao</i>	Effect of microwave irradiation on reactivity of metallurgical coke in CO ₂ atmosphere	57	(2018)	1-2	19-22
2556.	<i>X. T. Zhao, Q. H. Pang, Z. J. He, Y. F. Wu, J. H. Zhang</i>	Granularity collocation of single coal on comprehensive combustion of blends	57	(2018)	1-2	23-26
2557.	<i>H. Di, Z.J. He, J.H. Zhang Q.H. Pang</i>	Experiment study on the effect of iron ore sinter behavior with adding biomass	57	(2018)	1-2	27-30
2558.	<i>W. Z. Lv, K. Liu, R. W. Zhang, L. Cheng</i>	Structural analysis of C _{an} O _{n-1} S cluster of dolomite desulfurization	57	(2018)	1-2	31-34
2559.	<i>G. D. Liu, K. Liu, H. T. Zhang</i>	Study of desulfurization with magnesite desulfurizer under hot metal pretreatment	57	(2018)	1-2	35-38
2560.	<i>Z. C. Lv, K. Liu, N. Luo, W. Z. Lv</i>	Feasibility study on high temperature electrolytic desulfurization in hot metal pretreatment	57	(2018)	1-2	39-42
2561.	<i>W. Z. Lv, K. Liu, G. Y. Zhang, Z. C. Lv</i>	Study on physical and chemical properties of new desulfurizer magnesite	57	(2018)	1-2	43-46
2562.	<i>J. X. Guo, L. L. Zhang, W. B. Dai, L. Y. Qi, D. Q. Cang</i>	NOx and ultrafine particle emission characteristics in a new steel slag modification device	57	(2018)	1-2	47-50
2563.	<i>Y. Wang, X. Ai, S. Li, H. Li, H. Liu</i>	Optimization of six strand tundish based on inclusions motion	57	(2018)	1-2	51-54
2564.	<i>S. Vellingiri, V. Senthil, N. Zeelanbasha</i>	Modelling and multi objective optimization of LM13 aluminium alloy squeeze cast process parameters using taguchi and genetic algorithm	57	(2018)	1-2	55-58
2565.	<i>B. Oleksiak, G. Siwiec, A. Tomaszewska, D. Piękoś</i>	Silver recovery from the waste materials by the method of flotation process	57	(2018)	1-2	59-61
2566.	<i>Z. C. Lv, K. Liu, J. W. Qiu, G. Y. Ma, C. P. Liu</i>	A study on experiment and numerical simulation of heat exchanger in heating furnace	57	(2018)	1-2	62-66
2567.	<i>J. C. Weng, W. J. Shi, H. S. Xie</i>	Effect of Ce on stainless steel performance during electroslag remelting (ESR)	57	(2018)	1-2	67-70
2568.	<i>Y. F. Wu, Q. H. Pang, Z. J. He, X. T. Zhao</i>	Thermogravimetric (TG) investigation on reduction of hematite powder with carbonized corn straw	57	(2018)	1-2	71-74
2569.	<i>Y. L. Cong, Z. J. He, J. H. Zhang, Q. H. Pana</i>	Experimental study on iron recovery by microwave carbon heat reduction-magnetic separation from red mud	57	(2018)	1-2	75-78
2570.	<i>Z. Y. Xu, J. H. Liu, Z. J. He, Q. H. Pang</i>	Study on clogging mechanism of submerged entry nozzle of steel 38CrMoAl	57	(2018)	1-2	79-82
2571.	<i>T. Pornpibunsompop, P. Thanakijkasem</i>	High temperature and stress corrosion cracking of 310S austenitic stainless steel in wet chloride corrosive environment	57	(2018)	1-2	83-86
2572.	<i>S. H. Zheng, X. D. Shu, J. Wei</i>	Research on the dynamic recrystallization law of cross wedge rolling (CWR) asymmetric hollow shaft	57	(2018)	1-2	87-90
2573.	<i>A. Tomaszewska, B. Oleksiak</i>	Microstructural characteristics of new type γ - γ' Co-9Al-9W cobalt-based superalloys in as-cast state	57	(2018)	1-2	91-94
2574.	<i>J. Svetlík, J. Buša, T. Brestovič, M. Pituk, A. Pešková, P. Dudová</i>	Research into oil film coating of a steel pipe interior by oil mist blowing	57	(2018)	1-2	95-98
2575.	<i>A. Kozhevnikov, I. Kozhevnikova, N. Bolobanova</i>	Dynamic model of cold strip rolling	57	(2018)	1-2	99-102
2576.	<i>J. H. Zhang, G. J. Hu, T. X. Xu, Q. Guo, Y. Wang, C. Tian</i>	Effect of biomass addition on preparation of ceramsite made by fly ash	57	(2018)	1-2	103-106
2577.	<i>J. Cumin, I. Samardžić, M. Dunđer</i>	Mechanical clinching process stress and strain in the clinching of EN-AW5754 (AlMg3), and EN AW-5019 (AlMg5) metal plates	57	(2018)	1-2	107-110

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2578.	<i>G. Napoli, M. Paura, T. Vela, A. Di Schino</i>	Colouring titanium alloys by anodic oxidation	57	(2018)	1-2	111-113
2579.	<i>X. C. Chen, S. S. Deng, M. Chen, W. X. Hua, S. Liao, S. Yao</i>	Simulation analysis of striation phenomena in abrasive water jet cutting (AWJC) process of AISI 304 stainless steel	57	(2018)	1-2	114-116
2580.	<i>J. Gonzalez-Gutierrez, D. Godec, R. Guráň, M. Spoerk, C. Kukla, C. Holzer</i>	3D printing conditions determination for feedstock used in fused filament fabrication (FFF) of 17-4PH stainless steel parts	57	(2018)	1-2	117-120
2581.	<i>N. Zeelanbasha, V. Senthil, B. Sharon Sylvester</i>	An experimental investigation into the impact of vibration on the surface roughness and its defects of Al6061-T6	57	(2018)	1-2	121-124
2582.	<i>Z. Horvat, V. Marušić, I. Samardžić, I. Opačak</i>	Influence of ploughshare surface layers on ploughing efficiency	57	(2018)	1-2	125-127
2583.	<i>A. Z. Issagulov, I. Yu. Zykov, A. G. Melnikov, O. V. Lobankova, I. S. Makogon, S. A. Bojok, S. K. Arinova</i>	Investigation the impact of a laser on the chernov-luders lines in the 40X9C2 steel	57	(2018)	1-2	128-130
2584.	<i>J. Kostalova, M. Bednarikova, M. Patak</i>	The required competencies of project managers in metallurgical companies in the Czech Republic	57	(2018)	1-2	131-134
2585.	<i>T. Karkoszka</i>	Determination of the key operational features in the steel continuous casting processes	57	(2018)	1-2	135-138
2586.	<i>M. K. Ibatov, A. Z. Issagulov, Sv. S. Kvon, V. Yu. Kulikov, S. K. Arinova</i>	Boron microadditives effect on heat resisting properties of Cr-Ni-Fe based alloy	57	(2018)	1-2	139-141
2587.	<i>M. Krneta, I. Samardžić, Ž. Ivandić, D. Marić</i>	Joining materials by metalock repair method	57	(2018)	1-2	142-144
2588.	<i>I. Mamuzić</i>	Godišnja skupština Hrvatskog metalurškog društva (HMD) Annual Assambly of Croatian Metallurgical Society (CMS)	57	(2018)	1-2	18
2589.	<i>Y. J. Liu, M. G. Shen, Z. Q. Lv, X. H. Han</i>	Study on insulation effect of hollow riser	57	(2018)	3	146-148
2590.	<i>L. H. Feng, K. Liu, H. K. Liang, G. L. Liu</i>	Comparative study between traditional and coherent jet oxygen lance interaction with molten pool	57	(2018)	3	149-152
2591.	<i>C. Xu, X. D. Shu</i>	Influence of process parameters on the forming mechanics parameters of the three-roll skew rolling forming of the railway hollow shaft with 1: 5	57	(2018)	3	153-156
2592.	<i>W. L. Guo, Y. H. Xu, D. Q. Cang, S. F. Ma, H. Tian, Z. J. Meng, X. X. Zhang</i>	Study on alkali liquor roasting and sulphuric acid leaching of bayan obo rare earth concentrate	57	(2018)	3	157-161
2593.	<i>G. Q. Liu, K. Liu, C. Y. Tang, L. Cheng</i>	Efficient extracting vanadium from stone coal by co-roasting with sodium chloride and biomass	57	(2018)	3	162-164
2594.	<i>A. Wańkiewicz -Lis, B. Oleksiak, G. Siwiec, J. Wiecek, A. Tomaszewska</i>	Decorative metallic coatings applied with galvanic method	57	(2018)	3	165-167
2595.	<i>A. Kozhevnikov, I. Kozhevnikova, N. Bolobanova, N. Kochnev</i>	Evaluation of power losses during stochastic changes in the current of the main drives of cold rolling mills	57	(2018)	3	168-170
2596.	<i>R. Moszumański</i>	Components precise dispensing for low flowability mixtures	57	(2018)	3	171-174
2597.	<i>I. Mamuzić</i>	13th International Symposium of Croatian Metallurgical Society 13. Međunarodni simpozij Hrvatskog metalurškog društva	57	(2018)	3	175-178
2598.	<i>I. Mamuzić</i>	PLENARY LECTURES	57	(2018)	3	179
2599.	<i>I. Mamuzić</i>	MATERIALS – SECTION “A”	57	(2018)	3	180-191
2600.	<i>I. Mamuzić</i>	PROCESS METALLURGY – SECTION “B”	57	(2018)	3	192-201
2601.	<i>I. Mamuzić</i>	PLASTIC PROCESSING – SECTION “C”	57	(2018)	3	202-207
2602.	<i>I. Mamuzić</i>	METALLURGY AND RELATED TOPICS – SECTION “D”	57	(2018)	3	208-216

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2603.	<i>S. Geng, H. Zhang, W. Ding, Y. Yu</i>	Kinetics of pellet reduced by H ₂ and the mixture of CO and H ₂	57	(2018)	4	219-222
2604.	<i>L. H. Feng, X. B. Kang, H. K. Liang, G. L. Liu, C. Sun</i>	Simulation study on the jet characteristics of coherent jet oxygen lance used in basic oxygen furnace (BOF)	57	(2018)	4	223-225
2605.	<i>K. Nowacki, T. Lis</i>	Qualitative characteristics of foundry dusts	57	(2018)	4	226-230
2606.	<i>J. Li, C. F. Zhang, R. M. Yin, W. H. Zhang</i>	Monte carlo simulation of anisotropic growth of grains during liquid phase sintering for ceramics	57	(2018)	4	231-234
2607.	<i>L. H. Feng, M. Y. Zhu, X. B. Kang, L. Luo</i>	Simulation study on the solute elements micro-segregation at solid-liquid interface of continuous casting steel slab	57	(2018)	4	235-238
2608.	<i>G. Q. Liu, K. Liu, Y. K. Gao, G. Chen</i>	Co-pyrolysis kinetics analysis of stone coal and biomass for vanadium extraction	57	(2018)	4	239-241
2609.	<i>M. Dunđer, I. Samarđžić, A. Ćorić, G. Salopek</i>	Effects of real welding parameters of high-strength S1100QL steel on hardness and impact energy properties	57	(2018)	4	242-244
2610.	<i>D. Y. Tian, X. D. Shu, C. Xu</i>	Mechanism research on eliminating voids in bearing steel ball by floating-pressure method (FPM)	57	(2018)	4	245-248
2611.	<i>C. Y. Shi, J.C. He</i>	Analysis of influencing factors of the blocking layer based on electromagnetic induction-controlled automated steel-teeming system	57	(2018)	4	249-252
2612.	<i>S. V. Kononov, D. V. Zagulyaev, Y. F. Ivanov, V. E. Gromov</i>	Effect of yttrium oxide modification of Al-Si alloy on microhardness and microstructure of surface layers	57	(2018)	4	253-256
2613.	<i>Z. Y. Xu, J. N. Huang, B. W. Li, Z. W. Zhao</i>	Investigation on removal of Nb from Nb-bearing hot metal with CO ₂	57	(2018)	4	257-260
2614.	<i>X. Y. Zhou, Y. Y. Wang, H. Jin, Z. P. Liang, X. L. Liu</i>	Effect of ultrasound on Ni-Co/ZrO ₂ composite electrodeposition and corrosion resistance study of coatings	57	(2018)	4	261-264
2615.	<i>J. Li, C. F. Zhang, R. M. Yin, W. H. Zhang</i>	Prediction of mechanical properties of β-SiAlON ceramics based on BP neural network	57	(2018)	4	265-268
2616.	<i>H. Jin, L. J. Chen, X. Y. Zhou, Y. Y. Wang</i>	Effect of ultrasonic power on corrosion resistance and hardness of Ni-Co-Al ₂ O ₃ nanocomposite coatings	57	(2018)	4	269-271
2617.	<i>A. Di Schino, R. Rufini</i>	Thermo-mechanical process parameters effect on a 9 % Cr-2 % W steel	57	(2018)	4	272-274
2618.	<i>S. Barannikova, Yu. Li, L. Zuev</i>	Research of the plastic deformation localization of bimetal	57	(2018)	4	275-278
2619.	<i>B. Karpe, S. Novak, A. Nagode, S. Kožuh, A. Pavlič, S. Rečnik, B. Kosec</i>	Industrial control measurements of high chromium steel rolls heat treatment	57	(2018)	4	279-282
2620.	<i>B. S. Sun, C. W. Wang, Z. L. Zhao</i>	Research on cold rolling of 41Cr4/20NiCrMo7 bimetal composite bearing ring	57	(2018)	4	283-286
2621.	<i>S. A. A. Sajadi, A. Nazari Alavi, M. Mirzai</i>	Investigation of thermal behavior of α-PbO and β-PbO in O ₂ atmosphere	57	(2018)	4	287-290
2622.	<i>J. D. Huang, J. Li, L. X. Li</i>	Fuzzy grey relational analysis for influence factors on the quality of calcined petroleum coke	57	(2018)	4	291-294
2623.	<i>P. T. Iswanto, H. Akhyar, F. F. Utomo</i>	Effect of shot peening at different almen intensities on fatigue behavior of AISI 304	57	(2018)	4	295-298
2624.	<i>D. A. Romanov, S. V. Moskovskii, E. A. Martusevich, E. A. Gayevoy, V. E. Gromov</i>	Structural-phase state of the system “CdO-Ag coating / copper substrate” formed by electroexplosive method	57	(2018)	4	299-302
2625.	<i>R. Servin, I. Calderón, A. Perez, F. Equihua, L. Falcon, M. Garcia, P. Orozco</i>	Analysis of friction coefficient for a base steel 5 % Cr, applying variable loads of 196 N, 294 N and 392 N, and speeds of 0,18 m/sec, 0,36 m/sec and 0,54 m/sec	57	(2018)	4	303-306
2626.	<i>A. Di Schino, M. Corradi</i>	Quenching and tempering (Q&T) effect on a steel for forging with Cr and Mo addition	57	(2018)	4	307-309
2627.	<i>M. K. Ibatov, A. Z. Issagulov, Sv. S. Kvon, V. Yu. Kulikov, A. M. Dostayeva, Ye. P. Chsherbakova</i>	Studying vibration mode impact on forming steel structure in primary crystallization process	57	(2018)	4	310-312
2628.	<i>Kvon Sv. S., Kulikov V. Yu., Issagulov A. Z., Dostayeva A. M., Kovalyova T. V.</i>	Studying structure and properties of shaped ingots obtained in various conditions of crystallization	57	(2018)	4	313-316

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2629.	<i>Andoko, P. Puspitasari, F. Gapsari</i>	Fatigue crack growth behavior of nodular cast iron subjected to two-step austempering	57	(2018)	4	317-320
2630.	<i>A. Z. Issagulov, T. S. Makaev, M. K. Ibatov, Sv. S. Kvon, V. Yu. Kulikov, A. M. Dostayeva</i>	Effect of reducing agent's nature on the microstructure and certain properties of 30CrNi ₂ Mo high-quality steel	57	(2018)	4	321-323
2631.	<i>A. Pacana, K. Czerwińska, L. Bednárová</i>	Discrepancies analysis of casts of diesel engine piston	57	(2018)	4	324-326
2632.	<i>T. Šolić, D. Marić, M. Duspára, I. Samardžić</i>	Analysis of plated layer's effects on the structure resistance to corrosion	57	(2018)	4	327-329
2633.	<i>V. Marušić, A. Milinović, I. Opačak, I. Putnik</i>	Research into possibilities of reducing the X155CrVMo12-1 tool steel fragility	57	(2018)	4	330-332
2634.	<i>F. Gapsari, Andoko, H. Wijaya</i>	Corrosion behavior of brass in nitric acid	57	(2018)	4	333-336
2635.	<i>A. Kozhevnikov, I. Kozhevnikova, N. Bolobanova, D. Shalaevskii</i>	Methodology of design of the thin steel strip cold rolling energy efficient technology	57	(2018)	4	337-340
2636.	<i>J. Barglik, A. Smalcerz, A. Smagor, G. Kopec</i>	Experimental stand for investigation of induction hardening of steel elements	57	(2018)	4	341-344
2637.	<i>A.K. Serikbayeva, F.A. Berdikulova, K.K. Mamyrbayeva, Sh.K. Akilbekova</i>	Processing of rare metals containing waste of copper production	57	(2018)	4	345-348
2638.	<i>A. Pacana, A. Gazda, N. Życzynski</i>	Monitoring the process of anodising of VW70U pistons using the control chart	57	(2018)	4	349-352
2639.	<i>A. Panda, J. Dobránský, M. Jančík, I. Pandová, M. Kačalová</i>	Advantages and effectiveness of the powder metallurgy in manufacturing technologies	57	(2018)	4	353-356
2640.	<i>T. Brlić, S. Rešković, F. Vodopivec, I. Jandrić</i>	Lüders bands at the beginning of the plastic flow of materials	57	(2018)	4	357-359
2641.	<i>N.A. Kazakova, A.L. Gendon, N.V. Sedova, E.A. Khlevnaya</i>	Estimation of factors and projected growth of the metallurgical branch of Russia under unstable market conditions	57	(2018)	4	360-362
2642.	<i>C. Kolmasiak, T. Wyleciał</i>	Heat treatment of steel products as an example of transport phenomenon in porous media	57	(2018)	4	363-366
2643.	<i>A. Kozhevnikov, N. Bolobanova, I. Kozhevnikova</i>	Competency model for science and technology (S&T) personnel for the iron and steel industry	57	(2018)	4	367-370
2644.	<i>I. Mamuzić</i>	OSVRT O KNJIZI – Đuro Tadić “Željezara Sisak, tvornica čelika i života“, Sisak, 2017. Review of the Đuro Tadić monograph “Steelworks Sisak, company of steel and lifetime” / Sisak, 2017	57	(2018)	4	371-374
2645.	<i>I. Mamuzić</i>	Zahvala recenzentima / Acknowledgement to reviewers, Metalurgija 57 (2018) 1-4	57	(2018)	4	375
2646.	<i>I. Mamuzić</i>	Izborna skupština Hrvatskog metalurškog društva (HMD) Election Assambly of Croatian Metallurgical Society (CMS)	57	(2018)	4	376
2647.	<i>I. Mamuzić</i>	14th International Symposium of Croatian Metallurgical Society – First circular – call for paper	58	(2019)	1-2	3-6
2648.	<i>C. N. Zhang, Y. R. Li</i>	Optimization analysis based on intelligent control of the process of the blast furnace	58	(2019)	1-2	7-10
2649.	<i>M. Lara, J. Camporredondo, A. García, L. Castruita, F. Equihua, H. Moreno, M. Corona</i>	Thermodynamic simulation of reduction of mixtures of iron ore, siderurgical wastes and coal	58	(2019)	1-2	11-14
2650.	<i>R. R. Yin, Z. J. He, S. Qiu, J. H. Liu, C. Tian, Y. Q. Yuan, J. H. Zhang</i>	The study on the interface reaction characteristics of different binary slag, CaO – MgO, Al ₂ O ₃ – CaO, Al ₂ O ₃ – MgO, SiO ₂ – CaO, SiO ₂ – MgO	58	(2019)	1-2	15-18
2651.	<i>A. Akberdin, A. Kim, R. Sultangaziyev</i>	Mathematical model of charts melt viscosity of the CaO – SiO ₂ – Al ₂ O ₃ – MgO	58	(2019)	1-2	19-21

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2652.	G. W. Ao, M. G. Shen, Z. S. Zang, C. Y. Wen	Numerical simulation research on the influence of steel ingot of 76 tons and 8 corners with hollow riser	58	(2019)	1-2	22-24
2653.	S. Qiu, J. H. Liu, Z. J. He, H. Di, C. Tian, R. R. Yin, J. H. Zhang	Study on interface reaction characteristics between different acidity and alkalinity slag	58	(2019)	1-2	25-28
2654.	C. Gao, M. G. Shen	End-point prediction of basic oxygen furnace (BOF) steelmaking based on improved twin support vector regression	58	(2019)	1-2	29-32
2655.	K. F. Ji, M. G. Shen, R. T. Li, X. L. Zhu, Z. S. Zhang	Simulation study on influence of exothermic riser on ingot solidification	58	(2019)	1-2	33-35
2656.	F. Vode, F. Tehovnik, B. Arh, S. Malej, B. Podgornik	Calculation of heat transfer coefficients	58	(2019)	1-2	36-38
2657.	L. Cheng, K. Liu, R. Z. Han, N. Luo	Study on the behavior of magnesium in molten salt electrolysis in-situ desulfurization during hot metal pretreatment	58	(2019)	1-2	39-42
2658.	X. Huang, L. H. Feng, W.D. Diao	Simulation research on molten steel flowing behavior in wide slab continuous casting mold	58	(2019)	1-2	43-46
2659.	M. G. Shen, Y. J. Liu, X. L. Zhu, Z. Y. Xiao, Y. C. Liu	Study on the influence of new riser structure on the quality of steel ingot	58	(2019)	1-2	47-50
2660.	P. T. Iswanto, H. Akhyar, E. U. K. Maliwemu	Fatigue crack growth rate of motorcycle wheel fabricated by centrifugal casting	58	(2019)	1-2	51-54
2661.	A. Murugarajan, P. Raghunayanan	The impact of pressure die casting process parameters on mechanical properties and its defects of A413 aluminium alloy	58	(2019)	1-2	55-58
2662.	Y. R. Li, C. N. Zhang	Analysis of the secondary cooling water distribution system based on differential evolution algorithm	58	(2019)	1-2	59-62
2663.	J. D. Li, H. Ren, Z. Gong, K. Wang, Y. Y. Wang, J. L. Lu, J. Li	Study on the process of preparing Al-Ce alloy by electrodeposition	58	(2019)	1-2	63-66
2664.	Y. X. Wang, H. Yin, Y. H. Yang, Y. S. Jiang, Y. Y. Guo, Y. W. Zhou, F. Y. Wu	Tuning resistivity and transmittance of AZO films through the electro-chemical treatment	58	(2019)	1-2	67-70
2665.	J. Li, C. F. Zhang, R. M. Yin, W. H. Zhang	Preparation and properties of SiAlON ceramics by gel casting and pressureless sintering	58	(2019)	1-2	71-74
2666.	B. K. Kenzhaliyev, T. Yu. Surkova, A. N. Berkinbayeva	To the question of the intensification of the processes of uranium extraction from refractory raw materials	58	(2019)	1-2	75-78
2667.	X. Z. Li, C. C. Zheng, C. Lou	Study on chloride migration in concrete under pressure	58	(2019)	1-2	79-82
2668.	H. C. Ji, Y. M. Li, C. J. Ma, H. Y. Long, J. P. Liu, B. Y. Wang	Modeling of austenitic grain growth of 21-4N steel	58	(2019)	1-2	83-86
2669.	F. Smaili, T. Vuherer, I. Samardžić	Resistivity during cycle loading of fine grain heat affected zone (HAZ) of 17CrNiMo7 steel prepared into laboratory furnace	58	(2019)	1-2	87-90
2670.	S. Om Prakash, P. Karuppuswamy, N. Nirmal	Optimal corrosive behaviour on the weldment of AA6063 aluminum alloy by tungsten inert gas (TIG) welding process with backing plates	58	(2019)	1-2	91-94
2671.	F. Iob, T. Coppola, A. Di Schino	Analysis of anisotropic hardening in high strength steel (HSS) in line pipes for strain-based applications	58	(2019)	1-2	95-98
2672.	T. T. Chen, S. M. Kang, Y. L. Li	Corrosion resistance of 316L stainless steel in fuel cell electrolyte	58	(2019)	1-2	99-102
2673.	F. Vodopivec, I. Mamuzić, S. Reškovič	Creep resisting steels, nanoparticles, interparticles matrix stresses, mobile dislocations motion and creep rate	58	(2019)	1-2	103-105
2674.	M. L. Xu, S. M. Kang, T. T. Chen	Coating properties of electroless Ni-P plating on magnesium alloy with cerium chloride	58	(2019)	1-2	106-108
2675.	M. Senthil Kumar	Investigation of hardness and surface roughness in end milling glass fibre reinforced polymer composite	58	(2019)	1-2	109-112
2676.	F. Tehovnik, J. Burja, S. Malej, F. Vode, B. Podgornik, B. Arh, B. Šetina Batič	Evolution of microstructure during hot deformation of INCONEL 625 alloy with different strain rates	58	(2019)	1-2	113-116

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2677.	<i>D. Malindžák, E. Mihaliková, B. Pandula</i>	Heuristic model for production scheduling wide-strip rolling mill	58	(2019)	1-2	117-119
2678.	<i>I. Leško, B. Pandula, P. Flegner, J. Baulovič, K. Feriančíková</i>	Analysis of geophysical signals by using hilbert space geometry	58	(2019)	1-2	120-122
2679.	<i>D. B. Zhu, X. D. Shu</i>	Effects of mold parameters on microscopic properties of cross wedge rolling (CWR) GH4169 alloy shaft parts	58	(2019)	1-2	123-126
2680.	<i>B. S. Sun, Z. L. Zhao, C. W. Wang</i>	Effect of process parameters on the end-face quality of cross-wedge rolling (CWR) shaft from titanium alloy Ti6Al4V	58	(2019)	1-2	127-130
2681.	<i>J. Y. Xu, B. S. Sun, N. Li</i>	Research on forging forming force in the composite technology of cross wedge rolling (CWR) and forging for universal joint fork	58	(2019)	1-2	131-134
2682.	<i>Y. Zhu, X. D. Shu, D. Y. Tian, Y. C. Li</i>	The quality analysis of multi-step forming the higher D/t cylinder	58	(2019)	1-2	135-138
2683.	<i>B. Arh, F. Tehovnik, F. Vode, S. Malej, B. Podgornik</i>	Analysis of the initial deformability of austenitic stainless steels with a bend test	58	(2019)	1-2	139-142
2684.	<i>J. Barglik, S. Golak, A. Smalcerz, T. Wiczorek</i>	Numerical modeling of induction hardening of gear wheels made of steel AMS 6419	58	(2019)	1-2	143-146
2685.	<i>T. Karkoszka</i>	Conditions of the supervised risk in the zinc coating processes	58	(2019)	1-2	147-150
2686.	<i>A. Z. Issagulov, V. Yu. Kulikov, Sv. S. Kvon, A. M. Dostayeva, S. A. Kuripko</i>	Developing anticorrosive coating composition with halloysite nanotubes with effect of self-regeneration	58	(2019)	1-2	151-154
2687.	<i>Sv. S. Kvon, V. Yu. Kulikov, A. Z. Issagulov, M. K. Ibatov, A. M. Dostayeva</i>	Vibration impact on properties and parameters of steel ingot porous structure	58	(2019)	1-2	155-157
2688.	<i>M. Kramarz, W. Kramarz</i>	Managing the flow components in supply chains	58	(2019)	1-2	158-160
2689.	<i>R. Mežibrický, M. Fröhlichová, J. Legemza</i>	HIGH-SiO ₂ iron ore sintering: Central & Eastern Europe scenario	58	(2019)	1-2	161-164
2690.	<i>V. D. Sekerin, M. N. Dudin, V. I. Gayduk, S. V. Bank, A. E. Gorokhova</i>	Managing iron and steel enterprises: study of innovative methods of industrial engineering (logistics approach)	58	(2019)	1-2	165-168
2691.	<i>I. Mamuzić</i>	Zapisnik sa sastanka Uredničkog odbora časopisa Metalurgija / Minutes of the meeting of the Editorial Board of the Journal Metalurgija 25, June, 2018	58	(2019)	1-2	169-170
2692.	<i>I. Mamuzić</i>	Survey of 13 th International Symposium of Croatian Metallurgical Society (CMS), June 24-29, 2018	58	(2019)	1-2	171-173
2693.	<i>I. Mamuzić</i>	Dopis Ministarstvu znanosti i obrazovanja, ministrici prof. dr. sc. Blaženki Divjak	58	(2019)	1-2	174-176
2694.	<i>C. N. Zhang, Y. R. Li</i>	A combustion control strategy of hot blast stove based on kernel fuzzy c-means (FCM)	58	(2019)	3-4	179-182
2695.	<i>X. H. Wang, Z. M. Yu</i>	Numerical simulation of solidification structure of continuously cast bloom of steel 20CrNiMo	58	(2019)	3-4	183-186
2696.	<i>Y. Xu, S. Li, J. Zhou, L. Yan, X. Ai</i>	The effect of ruhrstahl and hereaeus (RH) operation on the mixing of molten steel	58	(2019)	3-4	187-190
2697.	<i>Z. M. Cai, H. C. Ji, W. C. Pei, X. M. Huang, W. D. Li, Y. M. Li</i>	Constitutive model of 3Cr23Ni8Mn3N heat-resistant steel based on back propagation (BP) neural network (NN)	58	(2019)	3-4	191-195
2698.	<i>A. Di Schino</i>	Pipe diameter and pipe thickness effect on the plastic deformation behaviour of austenitic stainless steels	58	(2019)	3-4	196-198
2699.	<i>W. S. Wang, H. Y. Zhu, J. Sun, J. L. Lei, Y. Q. Duan, Q. Wang</i>	Thermodynamic analysis of BN, AlN AND TiN Precipitation in boron-bearing steel	58	(2019)	3-4	199-202
2700.	<i>M. X. Gao, H. Song, J. Yang, L. J. Fu</i>	Study on residual stress and strain during rail rolling contact of straight U75V rail	58	(2019)	3-4	203-206
2701.	<i>H. Liu, S. Yao</i>	End point prediction of basic oxygen furnace (BOF) steelmaking based on improved bat-neural network	58	(2019)	3-4	207-210
2702.	<i>M. Beer, R. Rybár, D. Kudelas</i>	Method of determining the essential geometric characteristics of the metal foam structure	58	(2019)	3-4	211-214

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2703.	<i>T. Z. Chen, X. D. Shu</i>	Effect of process parameters on volume loss of one-sided head of 42CrMo billet cross wedge rolling	58	(2019)	3-4	215-218
2704.	<i>W.C. Pei, J.W. Dong, H.C. Ji, H.Y. Long, S.F. Yang</i>	Study on crack propagation of 42CrMo	58	(2019)	3-4	219-222
2705.	<i>X. M. Wang, X. L. Wu, W. Q. Zhou</i>	Analysis of oxygen enriched combustion characteristic of 350 MW utility boiler based on computational fluid dynamics	58	(2019)	3-4	223-227
2706.	<i>B. Xu, S. Li, H. Fu, L. Yan, X. Ai</i>	The influential factor studies on the cooling rate of roller quenching for ultra-heavy plate	58	(2019)	3-4	228-230
2707.	<i>Z. Y. Xu, B. W. Li, Z. W. Zhao</i>	Oxidations behavior of C, Si, Mn, P, Nb in Nb-bearing hot metal by bottom blowing oxygen	58	(2019)	3-4	231-234
2708.	<i>J. Kozák, L. Krejčí, I. Hlavatý, I. Samardžić, R. Čep</i>	An analysis of structures occurring in weld deposit of steel S235JR+N with tungsten carbide particles and martensitic matrix	58	(2019)	3-4	235-238
2709.	<i>Y. R. Li, C. N. Zhang</i>	Intelligent optimization strategy analysis of secondary cooling water distribution for billet	58	(2019)	3-4	239-242
2710.	<i>M. Ogórek, T. Frączek</i>	Ion nitriding using active screen method	58	(2019)	3-4	243-246
2711.	<i>G. Heffer, I. Samardžić, I. Vidaković, I. Opačak</i>	Comparison of abrasion resistance of boron- and vanadium-based coatings	58	(2019)	3-4	247-250
2712.	<i>S. Thangavel, M. Murugan, N. Zeelanbasha</i>	Investigation of cutting force in end milling of Al/n-TiC/MoS ₂ sintered nano composite	58	(2019)	3-4	251-254
2713.	<i>J. Bárta, M. Marônek, B. Šimeková, D. Marič</i>	Analysis of weld joints made of titanium alloy GRADE 2 produced by electron beam welding	58	(2019)	3-4	255-258
2714.	<i>K. Chinnarasu, K. Kumaresan</i>	Influence of end milling process parameters on micro-hardness of LM25 aluminium alloy	58	(2019)	3-4	259-262
2715.	<i>S. Venkatachalapathy, P. Karuppuswamy, P. Raghunayagan</i>	Optimization of process parameters for minimum cutting temperature and surface roughness in turning of AISI 410 stainless steel impeller	58	(2019)	3-4	263-266
2716.	<i>B. Z. Wang, X. M. Huang, C. Wang, Z. Y. Wang, C. Xing, H. C. Ji</i>	Constitutive equations of AA6111 aluminum alloy	58	(2019)	3-4	267-271
2717.	<i>B. Oleksiak, G. Siwiec, A. Krabes, M. Bober</i>	Research on electrochemical silvering process of brass elements	58	(2019)	3-4	272-274
2718.	<i>S. E. Shipilov, M. K. Ibatov, Zh. D. Zholdubayeva, A. D. Alkina, S. S Shipilova, E. V. Yurchenko, Mekhtiyev A. D.</i>	The method to obtain of the agglorburden sintering material using the conversion of natural gas	58	(2019)	3-4	275-278
2719.	<i>G. Musina, G. Zhaksybaeva, M. Baikenov, M. Ibatov</i>	On the kinetics of the primary coal tar hydrogenation process	58	(2019)	3-4	279-282
2720.	<i>V. Yu. Kulikov, Sv. S. Kvon, A. Z. Issagulov, S. K. Arinova</i>	Studying refractory bricks structure impact on their performance properties	58	(2019)	3-4	283-286
2721.	<i>E. Kardas, R. Prusak</i>	The analysis of selected parameters of blast furnace operation	58	(2019)	3-4	287-290
2722.	<i>D. Yessengaliyev, S. Baisanov, A. Issagulov, A. Baisanov, O. Zayakin, A. Abdirashit</i>	Thermodynamic diagram analysis (TDA) of MnO–CaO–Al ₂ O ₃ –SiO ₂ and phase composition of slag in refined ferromanganese production	58	(2019)	3-4	291-294
2723.	<i>V. Yu. Kulikov, A. Z. Issagulov, M. K. Ibatov, Ye. P. Shcherbakova, T. V. Kovaleva</i>	Shell forming mode effect on casting quality	58	(2019)	3-4	295-298
2724.	<i>G. Shlomchak, G. Shvachych, B. Moroz, E. Fedorov, D. Kozenkov</i>	Automated control of temperature regimes of alloyed steel products based on multiprocessors computing systems	58	(2019)	3-4	299-302
2725.	<i>S. E. Shipilov, E. B. Ten, Zh. D. Zholdubayeva, D. K. Isin, A. D. Mekhtiyev, S. S. Shipilova, E. V. Yurchenko</i>	Refining of metal melts by filtration method	58	(2019)	3-4	303-306

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2726.	<i>T. Šolić, D. Marić, I. Putnik, I. Samaržić</i>	Corrosion resistance of the X6CrNiTi18-10 material exposed to a salt spray test	58	(2019)	3-4	307-310
2727.	<i>L. Kovanič, P. Blišťan, V. Zelizňaková, J. Palková, J. Baulovič</i>	Deformation investigation of the shell of rotary kiln using terrestrial laser scanning (TLS) measurement	58	(2019)	3-4	311-314
2728.	<i>Sv. S. Kvon, V. Yu. Kulikov, Shcherbakova Ye. P., S. K. Arinova</i>	Effect of inoculant introducing on improving ingot structure	58	(2019)	3-4	315-318
2729.	<i>M. Ridzon, M. Mojzís, P. Bella, L. Parilak, M. Kan, I. Buransky</i>	Validation of results of two different reductions for precision seamless cold drawn tubes	58	(2019)	3-4	319-322
2730.	<i>P. Bella, P. Bucek, M. Ridzon, M. Mojzís, L. Parilak</i>	Comparison of die geometry for cold drawing of multi-rifled steel tubes	58	(2019)	3-4	323-325
2731.	<i>A. Z. Issagulov, M. K. Ibatov, Sv. S. Kvon, S. K. Arinova</i>	Studying of properties and microstructure of 30 CrMnV9 steel on wear resistance	58	(2019)	3-4	326-328
2732.	<i>A. Pacana, K. Czerwińska, L. Bednárová</i>	Comprehensive improvement of the surface quality of the diesel engine piston	58	(2019)	3-4	329-332
2733.	<i>Z. Skuza, C. Kolmasiak</i>	Selected elements of quality management system in metallurgical enterprise	58	(2019)	3-4	333-336
2734.	<i>A. Pacana, D. Siwiec, L. Bednárová</i>	Analysis of the incompatibility of the product with fluorescent method	58	(2019)	3-4	337-340
2735.	<i>B. Oleksiak, G. Siwiec, A. Wańkiewicz-Lis</i>	Nickel coatings applied with galvanic method	58	(2019)	3-4	341-343
2736.	<i>A. V. Yurchenko, Z. D. Zholdubayeva, D. K. Issin, A. D. Mekhtiyev, A. D. Alkina, V. I. Syryamkin</i>	Reduction of the content of harmful impurities during technical silicon melting using the filtering method	58	(2019)	3-4	344-346
2737.	<i>D. Kumar Sharma, M. Filipponi, A. Di Schino, F. Rossi, J. Castaldi</i>	Corrosion behaviour of high temperature fuel cells: Issues for materials selection	58	(2019)	3-4	347-351
2738.	<i>I. Mamuzić</i>	Zahvala recenzentima / Acknowledgement to reviewers	58	(2019)	1-4	352
2739.	<i>J. H. Liu, Q. Wang, Z. J. He, C. Y. Sun, Z. Zhuang</i>	Reaction mechanism analysis of the Al ₂ O ₃ in blast furnace (BF) slag	59	(2020)	1	3-6
2740.	<i>J. H. Liu, Q. Wang, Z. G. Guan, Z. J. He, Z. Zhuang</i>	Reaction mechanism analysis of the TiO ₂ in vanadium - titanium blast furnace (BF) slag	59	(2020)	1	7-9
2741.	<i>Y. Cui, D. L. Qu, G. H. Li, L. Tian</i>	Wetting and spreading mechanism of MgO substrate by impurity phase	59	(2020)	1	10-12
2742.	<i>R. W. Wang, H. Y. Long, L. N. Qi, Y. M. Li, H. C. Ji, Z M Cai</i>	Study on Arrhenius model of TC6 titanium alloy	59	(2020)	1	13-17
2743.	<i>R. Wang, Y. Wang, H. Wang, J. Y. Chen, X. D. Shu</i>	Study on roll-cutting forming method of conical end blank for cross wedge rolling (CWR) without stub bar	59	(2020)	1	18-22
2744.	<i>D. Grigorova, R. Paunova</i>	Thermodynamic activities of V ₂ O ₃ , MnO, and FeO In quaternary system V ₂ O ₃ - FeO - SiO ₂ - MnO	59	(2020)	1	23-26
2745.	<i>I. A. Wahyudie, R. Soenoko, W. Suprpto, Y. S. Irawan</i>	Enhancing hardness and wear resistance of ZrSiO ₄ -SnO ₂ /Cu ₁₀ Sn composite produced by warm compaction and sintering	59	(2020)	1	27-30
2746.	<i>P. Sathish Kumar, A. Ramesh, R. Soundararajan</i>	Investigation on physical and mechanical behaviour of A356 - x wt. % SiC/Gr hybrid composites	59	(2020)	1	31-34
2747.	<i>S. Y. Guan, W. Y. Zhang, X. Xia, Y. F. Jiang</i>	Study on neural network proportional-integration-differential (PID) control strategy of the molten metal pool level in the twin roll casting process	59	(2020)	1	35-38
2748.	<i>H. Dyja, A. Kawalek, K. V. Ozhmegov, S. Sawicki</i>	The thermomechanical conditions of open die forging of zirconium alloy ingots determined by rheological tests	59	(2020)	1	39-42
2749.	<i>A. Kawalek, T. Bajor, S. Sawicki, M. Krakowiak, H. Jurczak</i>	The effect of deformation conditions on the rheological properties of the Al 5754 alloy	59	(2020)	1	43-46

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2750.	<i>J. T. Wang, X. D. Shu, S. Zhang</i>	Effect of process parameters on average grain size and microscopic uniformity of the three-roll skew rolling forming of the railway hollow shaft	59	(2020)	1	47-50
2751.	<i>S. Zhu, W.F. Peng, X. D. Shu</i>	Effects of annealing on interface microstructure and tensile fracture morphology of 42CrMo/Q235 cross wedge rolling (CWR) laminated shafts	59	(2020)	1	51-54
2752.	<i>A. Kozhevnikov, I. Kozhevnikova, N. Bolobanova, A. Smirnov</i>	Chatter prevention in stands of continuous cold rolling mills	59	(2020)	1	55-58
2753.	<i>S. Rešković, I. Jandrić, T. Brlić, F. Vodopivec</i>	Effects of preferred grain orientation on the on Lüders bands appearance	59	(2020)	1	59-62
2754.	<i>H. L. Duan, X. M. Huang, H. C. Ji, Y. G. Li</i>	The Arrhenius constitutive model of steel 42CrMo for gear	59	(2020)	1	63-66
2755.	<i>G. Balamurugan, R. Sivasubramanian</i>	Prediction and analysis of electric discharge machining (EDM) die sinking machining of PH 15-5 stainless steel by using taguchi approach	59	(2020)	1	67-70
2756.	<i>Y. Y. Shao</i>	Study on production of conventional grain oriented (CGO) silicon steel without normalizing process	59	(2020)	1	71-73
2757.	<i>A. Kozhevnikov, N. Bolobanova, I. Kozhevnikova, D. Shalaevskii</i>	The study of influence of work rolls vibration during cold rolling on the quality of steel strip surface	59	(2020)	1	74-76
2758.	<i>K. Nowacki</i>	Environmentally responsible policy of wastes in steel industry	59	(2020)	1	77-80
2759.	<i>A. Z. Issagulov, A. F. Chekimbayev, T. S. Makayev, A. A. Babenko</i>	Studying the Fe-Al-Si system in relation to ferrosilicon-aluminum alloy crystallization	59	(2020)	1	81-84
2760.	<i>Ye. Samuratov, B. Kelamanov, A. Akuov, Ye. Zhumagaliyev, M. Akhmetova</i>	Smelting standard grades of manganese ferroalloys from agglomerated thermo-magnetic manganese concentrates	59	(2020)	1	85-88
2761.	<i>I. M. Oskembekov, G. L. Katkeyeva, K. S. Turebekova, Ye. M. Zhunussov</i>	Application of modified sulfidizing reagent (MSR) in processing flowsheet of oxidized copper ore	59	(2020)	1	89-92
2762.	<i>A. Z. Issagulov, M. K. Ibatov, Sv. S. Kvon, V. Yu. Kulikov, Ye. P. Chsherbakova</i>	Studying furnace refractory lining properties with copper matte smelting	59	(2020)	1	93-96
2763.	<i>S. Baisanov, V. Tolokonnikova, G. Narikbayeva, I. Korsukova, Ye. Mukhambetgaliyev</i>	Mathematical method of phase equilibrium of binary system Cr-Si based on Bjerrum Guggenheim concept	59	(2020)	1	97-100
2764.	<i>B. Kelamanov, Ye. Samuratov, Ye. Zhumagaliyev, A. Akuov, O. Sariev</i>	Titanium and chrome oxides system thermodynamic diagram analysis	59	(2020)	1	101-104
2765.	<i>G. Shlomchak, I. Mamuzić, G. Shvachych, B. Moroz, I. Udovyyk, E. Fedorov, M. Spilnyk</i>	Metallurgical thermophysics processes identification based on extreme algorithms of high order of accuracy	59	(2020)	1	105-108
2766.	<i>Ye. Mukhambetgaliyev, S. Baisanov, A. Zharmenov, Yu. Khayn, V. Tolokonnikova</i>	Industrial smelting tests and organization of production of ferrosilicon aluminum (FSA) in Kazakhstan	59	(2020)	1	109-112
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2768.	<i>B. K. Kenzhaliyev, T. Yu. Surkova, A. N. Berkinbayeva, Z. D. Dosymbayeva, B. E. Abdikerim</i>	Revisiting the Kazakhstan natural sorbents modification	59	(2020)	1	117-120

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2769.	<i>A. D. Mekhtiyev, F. N. Bulatbayev, A. V. Taranov, A. V. Bashirov, Ye. G. Neshina, A. D. Alkina</i>	Use of reinforcing elements to improve fatigue strength of steel structures of mine hoisting machines (MHM)	59	(2020)	1	121-124
2770.	<i>W. X. Dou, C. B. Zhang, Q. Yue, H. Xiao</i>	State of the art in tundish with induction heating (IH) for clean steel casting	59	(2020)	1	125-128
2771.	<i>B. Gajdzik, J. Piątkowski, P. Kliś</i>	Prognostic methodology of forecasts steel production for Poland until 2022	59	(2020)	1	129-132
2772.	<i>B. K. Kassenov, Sh. B. Kassenova, Zh. I. Sagintayeva, E. E. Kuanyshbekov</i>	Thermodynamic research of new nanodimensional lanthanum-cobalt(nickelite)-cuprate-manganites $\text{LaNa}_2\text{CoCuMnO}_6$, $\text{LaNa}_2\text{NiCuMnO}_6$	59	(2020)	1	133-136
2773.	<i>C. Di Schino, C. Zitelli, G. Napoli, G. Stornelli, P. Folgarait, A. Di Schino</i>	About some issues concerning shape memory alloys applications in neuro-rehabilitation	59	(2020)	1	137-140
2774.	<i>A. Akberdin, M. Karbayev, A. Kim, R. Sultangaziyev</i>	Production of borbarium ferroalloy	59	(2020)	1	141-143
2775.	<i>I. Mamuzić</i>	Godišnja skupština Hrvatskog metalurškog društva (HMD)Annual Assambly of Croatian Metallurgical Society (CMS)	59	(2020)	1	144
2776.	<i>A. Štrkalj, Z. Glavaš, I. Mamuzić</i>	Microstructure and properties of silicon alloyed compacted graphite irons (CGI)	59	(2020)	2	147-149
2777.	<i>H. Fu, B. Xu, Q. Xiao, S. Li, X. Zhang, S. Bian, T. Kang</i>	Effect of preheating temperature on post-weld residual stress of dissimilar steel plates	59	(2020)	2	150-152
2778.	<i>Yurianto, S.H. Suryo, Y. Umardani</i>	Calculation program for steel weldability by considering the heat affected zone (HAZ) width of welded joint	59	(2020)	2	153-155
2779.	<i>B. Xu, H. Fu, Q. H. Xiao, S.Li, T. Kang</i>	Numerical simulation of the influence of welding direction on residual stress after double welding of Q345 stacked-plates	59	(2020)	2	156-158
2780.	<i>X. Z. He, J. G. Li, L. Yan, X. Y. Zhang</i>	Study on the stability of retained austenite in marine steel	59	(2020)	2	159-162
2781.	<i>H. Fu, B. Xu, Q. Xiao, S. Li, X. Zhang, S. Bian, T. Kang</i>	Effect of current intensity on residual stress of Q345/2Cr13 dissimilar steel plates	59	(2020)	2	163-166
2782.	<i>T. Frączek, M. Ogórek, Z. Skuza</i>	The effectiveness of active screen method in ion nitriding grade 5 ELI titanium alloy	59	(2020)	2	167-170
2783.	<i>P. T. Iswanto, H. Akhyar, A. Pambekti</i>	Heat treatment T4 and T6 effects on mechanical properties in Al-Cu alloy after remelt with different pouring temperatures	59	(2020)	2	171-174
2784.	<i>H. Fu, B. Xu, J. Xiao, S. Li, T. Kang</i>	Finite element simulation of deformation behavior of prefabricated holes in ultra-heavy plates by gradient temperature rolling	59	(2020)	2	175-178
2785.	<i>D. G. Wang, X. D. Shu, R. Wang, T. Z. Chen</i>	Influence of temperature field on surface quality of cross wedge rolling (CWR) aluminum alloy shaft	59	(2020)	2	179-182
2786.	<i>P. T. Iswanto, E. U. K. Maliwemu, V. Malau, F. Imaduddin, H. M. Sadida</i>	Surface roughness, hardness, and fatigue-corrosion characteristic of AISI 316L by shot peening	59	(2020)	2	183-186
2787.	<i>D. Malindžák, I. Leššo, E. Mihalíková, A. Gazda</i>	Application of balance models in metallurgy	59	(2020)	2	187-190
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2789.	<i>S. A. Mashekov, G. A. Smailova, A. M. Alshynova, A. E. Uderbayeva, N. S. Sembaev, A. Zhauyt</i>	Structure formation of aluminum alloy D16 while rolling bars in the radial shear mill	59	(2020)	2	195-198

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2790.	A. Auezova, T. Buzauova, G. Abdugaliyeva, L. Kurmangaliyeva, N. Smagulova, A. Zhauyt	Investigation of the stress-strain state of the roller conveyor	59	(2020)	2	199-202
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2793.	W. Zang	A first-principle analysis of mechanical properties of carbon deficient transitional metal carbide	59	(2020)	2	211--214
2794.	T. Karkoszka	Emergency preparedness and response in metallurgical processes	59	(2020)	2	215-217
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2796.	E. Kardas, R. Prusak	The influence of quality of ferrous charge materials on the efficiency of blast furnace process	59	(2020)	2	221-224
2797.	I. Mamuzić	Tisak javno dostupnih materijala traži odgovornost – zbornici urednika Đure Tadića o Željezari Sisak, 1938. – 2018. Press of publically available materials requests responsibility – proceedings of the editor Đure Tadić about the Steelworks Sisak, 1938–2018	59	(2020)	2	225-230
2798.	F. Vodopivec	Život i potignuća akad. Ilije Mamuzića The life and achievements of Acad. Ilija Mamuzić	59	(2020)	2	231-288
2799.	Y. R. Li, C. N. Zhang	A neural network prediction analysis of breakout continuous casting based on differential evolution (DE)	59	(2020)	3	291-294
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2801.	G. Q. Liu, G. X. Zhang K. Liu	The characteristic cavity size in basic oxygen steelmaking converter	59	(2020)	3	299-301
2802.	M. Łągiewka	Abrasive wear of composites based on CuPb30 alloy reinforced with graphite particles	59	(2020)	3	302-304
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2805.	X. D. Shu, S. Zhang, J. T. Wang, J. N. Shi, Y. X. Xia	Flow stress behavior of 30CrMoA steel under high temperature compression	59	(2020)	3	313-316
2806.	Y. Chang, X. D. Shu, T. Z. Chen	The influence law of process parameters on end concavity of hexahedral blank cross wedge rolling (CWR)	59	(2020)	3	317-320
2807.	H. C. Ji, Y. M. Li, W. D. Li, S. H. Xiao, J. S. Zhang, Y. H. Lu	Study on forging process of valve based on response surface method	59	(2020)	3	321-324
2808.	S. Y. Guan, W. Y. Zhang, Y. F. Jiang	A surface defect detection method of the magnesium alloy sheet based on deformable convolution neural network	59	(2020)	3	325-328
2809.	L. Blacha, J. Łabaj, M. Jodkowski, A. Smalcerz	Research on the reduction of cooper slag using an alternative coal range	59	(2020)	3	329-332
2810.	A. Akberdin, A. Kim, R. Sultangazyev, M. Karbayev	Thermodynamic modeling of the borbarium ferroalloy smelting technological process	59	(2020)	3	333-336
2811.	G. L. Tan, D. Tang, X. T. Yin, T. Mu, D. Wang, C. J. Xu	The activation energy determination in non-isothermal conditions for the solid-state phase transformation of 1035 steel	59	(2020)	3	337-339
2812.	J. S. Musayev, T. O. Chigambaev, Y. B. Kaliyev, B. T. Kopenov, M. Zh. Turkebayev, M. A. Nartov, A. Zhauyt	Study on stress-strain state and deformations occurring in existing roller tables	59	(2020)	3	340-342

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2813.	<i>S. Baisanov, V. Tolokonnikova, G. Narikbayeva, I. Korsukova, Ye. Mukhambetgaliyev</i>	Estimation of dissociation degree of congruently melting compounds through osmotic coefficient of BJERRUM-GUGGENHEIM	59	(2020)	3	343-346
2814.	<i>M. Trepczyńska-Lent, J. Piątkowski</i>	Study of directionally solidified Fe – 4,25 %C eutectic alloy using electron backscatter diffraction (EBSD) technique	59	(2020)	3	347-350
2815.	<i>E. Kuldeyev, I. Bondarenko, R. Abdulvaliyev, S. Temirova, B. Abdikerim</i>	Processing of low quality ekibastuz coals ashes and natural diatomites to obtain alumina and foamed glass	59	(2020)	3	351-354
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2817.	<i>A. Smalcerz, L. Blacha</i>	Vacuum refining cooper blister to remove antimony	59	(2020)	3	358-360
2818.	<i>J. Łabaj, L. Blacha</i>	Lead and zinc removal from alloy Zn-Ag-Pb under reduced pressure	59	(2020)	3	361-363
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2821.	<i>S. A. Mashekov, G. A. Smailova, M. S. Kulgildinov, K. T. Tergemes, A. Zhauyt, K. S. Chezhibayeva, T. M. Buzauova</i>	The study evolution of the structure formation of the foil workpiece during rolling screw rollers and longitudinal-wedge mill (LWM)	59	(2020)	3	370-372
2822.	<i>R. Soenoko, P. H. Setyarini, S. Hidayatullah, M. S. Ma'arif, F. Gapsari</i>	Corrosion characterization of Cu-BASED alloy in different environment	59	(2020)	3	373-376
2823.	<i>Y. B. Kaliyev, B. T. Kopenov, M. N. Yessengaliyev, K. A. Zhussupov, N. R. Jakupov, A. Zhauyt</i>	Study on physical and chemical properties of steel 60C2XA on a retractable roller conveyor	59	(2020)	3	377-380
2824.	<i>A. Y. Jiao, B. H. Liu, G. F. Zhang, M. S. Xu, J. P. Li, F. L. Chen</i>	Failure analysis of EB03 crankshaft	59	(2020)	3	381-384
2825.	<i>K. Semrád, D. Marasová, L. Ambriško, E. Caban, M. Spodniak</i>	Numerical and experimental analysis of innovative support system of belt conveyor	59	(2020)	3	385-388
2826.	<i>K. Draganová, K. Semrád, L. Főző, M. Spodniak, R. Jurč</i>	Methodology for structural analysis of hyperelastic materials with embedded magnetic microwires	59	(2020)	3	389-392
2827.	<i>T. Karkoszka</i>	Process safety in metallurgical production	59	(2020)	3	393-395
2828.	<i>Z. Skuza, C. Kolmasiak</i>	Impact of structural and technological changes on selected aspects of the steel industry of Poland	59	(2020)	3	396-398
2829.	<i>B. Gajdzik</i>	Trends and forecasts of steel intensity in Poland on the based apparent crude steel use until 2022	59	(2020)	3	399-402
2830.	<i>E. Kardas, R. Prusak</i>	The assessment of efficiency of work of blast furnace	59	(2020)	3	403-406
2831.	<i>B. K. Kassenov, Sh. B. Kassenova, Zh. I. Sagintaeva, E. E. Kuanyshbekov, A. A. Mukhtar</i>	Thermodynamic and electrophysical properties of nanosized cobalt-cuprate-manganite and nickelite-cuprate-manganite oxides	59	(2020)	3	407-410
2832.	<i>M. Spodniak, K. Semrád, M. Hovanec, P. Korba, T. Musil</i>	FEM modeling of magnetic microwire and its using for stress monitoring inside the composite beam	59	(2020)	3	411-414
2833.	<i>B. Gajdzik</i>	The analysis of steel production and utilization of production capacity in Polish steel industry	59	(2020)	3	415-418
2834.	<i>I. Mamuzić</i>	BOOK OF ABSTRACTS – ZBORNIK SAŽETAKA	59	(2020)	3	419
2835.	<i>I. Mamuzić</i>	14th International Symposium of Croatian Metallurgical Society 14. Međunarodni simpozij Hrvatskog metalurškog društva	59	(2020)	3	420-422

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2836.	<i>I. Mamuzić</i>	PLENARY LECTURES	59	(2020)	3	423
2837.	<i>I. Mamuzić</i>	MATERIALS – SECTION “A”	59	(2020)	3	424-430
2838.	<i>I. Mamuzić</i>	PROCESS METALLURGY – SECTION “B”	59	(2020)	3	431-438
2839.	<i>I. Mamuzić</i>	PLASTIC PROCESSING – SECTION “C”	59	(2020)	3	439-441
2840.	<i>I. Mamuzić</i>	METALLURGY AND RELATED TOPICS – SECTION “D”	59	(2020)	3	442-448
2841.	<i>C. N. Zhang, Y. R. Li</i>	Markov hot blast stove prediction based on hybrid intelligent algorithm	59	(2020)	4	451-454
2842.	<i>B. Dai, H. Long, Y. Wen, Y. Ji</i>	Effect of ludwigite(B_2O_3) on high Al_2O_3 slag and its mechanism used as a new blast furnace welding flux	59	(2020)	4	455-458
2843.	<i>J. Kasińska, D. Myszka</i>	Influence of rare earths metals (REM) on the structure and selected properties of grey cast iron	59	(2020)	4	459-462
2844.	<i>C. Y. Wen, G. W. Ao, Z. S. Zhang</i>	Simulation study on the influence of bottom sub-regional cooling on 45 tons unidirectional solidification of steel ingot	59	(2020)	4	463-466
2845.	<i>Z. S. Zhang, X. L. Zhu, M. G. Shen, G. W. Ao</i>	Simulation study on effect of chassis water cooling on solidification of eleven tons flat steel ingot	59	(2020)	4	467-469
2846.	<i>J. Kozák, L. Krejčí, I. Hlavatý, R. Čep, I. Samardžić</i>	Utilization of diffraction analysis in the study of martensitic weld deposits using tungsten carbide particles on S235JR+N steel	59	(2020)	4	470-472
2847.	<i>K. Kostúr</i>	Optimal control of heating in a reheating furnace	59	(2020)	4	473-476
2848.	<i>A. K. Koizhanova, B. K. Kenzhaliyev, D. R. Magomedov, E. M. Kamalov, M. B. Erdenova, N. N. Abdyldaev</i>	A study of the biohydrometallurgical method for extracting gold from flotation tailings	59	(2020)	4	477-480
2849.	<i>K. Milewski, M. Madej</i>	Structure and mechanical properties of diamond-like carbon (DLC) coatings doped with silicon	59	(2020)	4	481-484
2850.	<i>Kusmono, C. Bora, U. A. Salim</i>	Effects of cold rolling (CR) and annealing time on microstructure and mechanical properties of AA 5052 aluminum alloy	59	(2020)	4	485-488
2851.	<i>P. Strzpek, P. Osuch, M. Walkowicz, M. Zasadzińska, A. Mamala, T. Knych, T. Napióra</i>	Impact of the heat treatment parameters on ultimate tensile strength, microstructure and wire drawing process of Zn-Al15	59	(2020)	4	489-492
2852.	<i>Ye. P. Shcherbakova, Sv. S. Kvon, D. A. Issagulova, S. K. Arinova</i>	Heat treatment effect on the properties of vibration treated steel during crystalization	59	(2020)	4	493-495
2853.	<i>A. Kim, A. Akberdin, R. Sultangazyev</i>	Ways to improve texture technology reflective chromite ore of Kazakhstan	59	(2020)	4	496-498
2854.	<i>V. Yu. Kulikov, Sv. S. Kvon, M. K. Ibatov, Ye. P. Chsherbakova, D. A. Issagulova, A. M. Dostaeva</i>	Studying the properties of shell molds manufactured under industrial conditions using unsteady-state pressure	59	(2020)	4	499-502
2855.	<i>M. Warzecha</i>	Non-metallic inclusions controlling at the ladle furnace (LF) station	59	(2020)	4	503-506
2856.	<i>V. Yu. Kulikov, A. Z. Issagulov, M. K. Ibatov, D. A. Issagulova, T. V. Kovaleva, Ye. P. Chsherbakova</i>	Studying the properties of sand-resin molds made using a variable load	59	(2020)	4	507-510
2857.	<i>Ye. P. Shcherbakova, S. K. Arinova, I. Ye. Medvedeva, G. S. Zhetessova, Sv. S. Kvon</i>	Studying the properties and microstructure of parts obtained by different casting technologies	59	(2020)	4	511-513
2858.	<i>Ye. Shabanov, S. Baisanov, K. Grigorovich, A. Baisanova, R. Toleukadyr, Zh. Saulebek</i>	Recovery of low-carbon ferrochrome with multi-component aluminum-silicon-chrome (Al - Si - Cr) alloy	59	(2020)	4	514-516
2859.	<i>M. S. Xu, J. L. Shi</i>	Fracture analysis of nodular cast iron crankshaft	59	(2020)	4	517-520

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2860.	<i>T. Zhuniskaliyev, A. Nurumgaliyev, O. Zayakin, Ye. Mukhambetgaliyev, Ye. Kuatbay, A. Mukhambetkaliyev</i>	Investigation and comparison of the softening temperature of manganese ores used for the production of complex ligatures based on Fe-Si-Mn-Al	59	(2020)	4	521-524
2861.	<i>O. Sariev, S. Kim, Ye. Zhumagaliyev, B. Kelamanov, M. Sultanov, N. Nurgali</i>	Viscosity and crystallization temperature of ferroalloy slags from Kazakhstan ore	59	(2020)	4	525-528
2862.	<i>A. Akuov, Ye. Samuratov, B. Kelamanov, Ye. Zhumagaliyev, M. Taizhigitova</i>	Development of an alternative technology for the production of refined ferrochrome	59	(2020)	4	529-532
2863.	<i>O. Sariev, B. Kelamanov, Ye. Zhumagaliyev, S. Kim, A. Abdirashit, M. Almagambetov</i>	Remelting the high-carbon ferrochrome dust in a direct current arc furnace (DCF)	59	(2020)	4	533-536
2864.	<i>X. Y. Wang, Y. Zeng</i>	Analysis and study test materials coke in a high temperature furnace	59	(2020)	4	537-539
2865.	<i>A. Z. Issagulov, Ye. V. Skvortsov, V. Yu. Kulikov, Sv. S. Kvon, A. A. Alina</i>	Nanomodifier effect on structure and properties changes of heat-treatable steel	59	(2020)	4	540-542
2866.	<i>A. R. Toleuova, A. M. Dostayeva, O. M. Zharkevich, S. A. Abdulina, M. A. Adilkanovva, D. Serikbayev</i>	Calculating and experimental studying phase transformations in the Al-Zr-Fe-Si system alloys	59	(2020)	4	543-546
2867.	<i>A. Z. Issagulov, M. K. Ibatov, A. M. Dostayeva, G. K. Koshebayeva, O. M. Zharkevich</i>	Studying the properties of refractory products manufactured by two-stage pressing under industrial conditions	59	(2020)	4	547-550
2868.	<i>P. V. Kovalev, S. V. Ryaboshuk, A. Z. Issagulov, M. K. Ibatov, Sv. S. Kvon, V. Yu. Kulikov</i>	Studying nanopowder modifiers (NPM) effect on structure and properties steels	59	(2020)	4	551-554
2869.	<i>A. Mamala, P. Strzpek, M. Zasadzińska, B. Smyrak, M. Sadzikowski</i>	The influence of the axial tension on the linear resistance and mechanical properties of AlMgSi alloy overhead line conductors	59	(2020)	4	555-558
2870.	<i>M. Abishkenov, Zh. Ashkeyev, S. Mashekov, G. Akhmetova, I. Volokitina</i>	Investigation of the stress-strain state of balls under deformation in a closed die	59	(2020)	4	559-562
2871.	<i>S. A. Mashekov, U. D. Angarbekov, A. E. Uderbayeva, N. Sarsenbayev</i>	New-design radial-shear rolling mill (RSRM) automation	59	(2020)	4	563-566
2872.	<i>K. Sh. Akhmetova, B. K. Kenzhaliev, S. A. Trebukhov, A. V. Nitsenko, N. M. Burabaeva</i>	Achievements in the titanium production development	59	(2020)	4	567-570
2873.	<i>A. D. Mekhtiyev, F. N. Bulatbaev, A. V. Taranov, A. V. Bashirov, N. V. Mutovina, A. D. Alkina</i>	Method of combating fatigue destruction of steel structures of mine hoisting machines	59	(2020)	4	571-574
2874.	<i>W. Ding</i>	Fracture analysis of crankshaft of heavy truck engine	59	(2020)	4	575-577
2875.	<i>T. Matysa</i>	Use of holt's model for forecasting until 2023 occupational accidents in the metallurgical industry in Poland	59	(2020)	4	578-580

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2876.	<i>J. Piątkowski, B. Gajdzik, A. Mesjasz</i>	Use of econometric models for predicting the lifetime of steam pipelines in the power industry	59	(2020)	4	581-584
2877.	<i>B. Gajdzik, J. Piątkowski, P. Kliś</i>	Analysis of steel production total and by process in Poland and Romania with forecast until 2023	59	(2020)	4	585-588
2878.	<i>I. Mamuzić, Predsjednik HMD-a / President of CMS</i>	Godišnja skupština Hrvatskog metalurškog društva (HMD) Annual assembly of Croatian Metallurgical Society (CMS)	59	(2020)	4	589
2879.	<i>I. Mamuzić</i>	Zapisnik sastanka Međunarodnog uredničkog odbora časopisa Minutes of meeting of the International Editorial Board of the Journal Metalurgija	59	(2020)	4	590-591
2880.	<i>I. Mamuzić</i>	Survey of 14 th International Symposium of Croatian Metallurgical Society (CMS) – SHMD '2020	59	(2020)	4	592
2881.	<i>I. Mamuzić</i>	FIRST CIRCULAR – CALL FOR PAPERS 15 th International Symposium of Croatian Metallurgical Society »Materials and Metallurgy« SHMD `2022	60	(2021)	1-2	3-5
2882.	<i>I. Mamuzić / Editor-in-chief of Metalurgija Journal</i>	Zahvala recenzentima / Acknowledgement to reviewers, Metalurgija 59(2020)1-4, 1-592 6	60	(2021)	1-2	6
2883.	<i>B. Dai, Y. Ma, H. Long, Y. Ji, J. Rao</i>	Properties of MnO on high Al ₂ O ₃ slag and its mechanism used for flushing blast furnace (BF)	60	(2021)	1-2	7-10
2884.	<i>D. Han, X. Zhu, S. Li, X. Liao, X. Ai</i>	Study on cleanliness of interstitial-free (IF) steel continuous casting slab	60	(2021)	1-2	11-14
2885.	<i>Y. R. Li, W. L. Zang</i>	Prediction and analysis of slab quality based on neural network combined with particle swarm optimization (PSO)	60	(2021)	1-2	15-18
2886.	<i>T. Merder, J. Pieprzycza</i>	Emergency condition of the operation of a non-symmetric tundish	60	(2021)	1-2	19-22
2887.	<i>R. Shi, Y. Cui, J. Zhao, X. Li, C. Zou, Y. Yu</i>	Direct reduction and extraction of iron from nickel smelting slag coupling of preparation of cementing materials using gangue composition	60	(2021)	1-2	23-26
2888.	<i>Z. G. Li, X. S. Zhang, Y. Y. Guo, D. M. Zhang, L. L. Jiang, J. Zhu</i>	Effect of modifier and superfine steel slag powder on properties of magnesium oxysulfate (MOS) cement	60	(2021)	1-2	27-29
2889.	<i>L. F. Zhang, E. Y. Sun, H. Xu, S. R. Jin, Z. Lv, G. D. Li</i>	Application of metallurgical steel slag in foamed concrete	60	(2021)	1-2	30-32
2890.	<i>D. Han, X. Zhu, S. Li, X. Liao, X. Ai</i>	Study on flow and temperature drop behavior of six-stream tundish with less-flow casting	60	(2021)	1-2	33-35
2891.	<i>P. Szota, S. Mróz, A. Stefanik, K. Laber, R. Mola</i>	Theoretical and experimental analysis of the backward extrusion process with a rotational die of AZ31 alloy	60	(2021)	1-2	36-38
2892.	<i>M. Spilka, W. Łoński, R. Babilas</i>	Corrosion properties of electrodeposited Cu/Co multilayers	60	(2021)	1-2	39-42
2893.	<i>E. U. K. Maliwemu, V. Malau, P. T. Iswanto, I. Kambali, T. Sujitmo, Suprpto</i>	Corrosion fatigue crack propagation of AISI 316L by nitrogen ion implantation in simulated body fluid	60	(2021)	1-2	43-46
2894.	<i>Yurianto, S. H. Suryo, Syaiful, Y. Umardani, P. Yanuar</i>	The role of residual stress to hardening and cracking on quenched and tempered ARMOR steel welded joints	60	(2021)	1-2	47-50
2895.	<i>S. Zhang, X.D. Shu, Y. X. Xia, J.T. Wang</i>	Formation mechanism and control of the spiral marks of three-roll skew-rolled hollow axles	60	(2021)	1-2	51-54
2896.	<i>Yu. Li, S. Barannikova</i>	In situ digital image speckle correlation (DISC) observation of plastic strain increment in low-carbon steel	60	(2021)	1-2	55-58
2897.	<i>S. Barannikova, Yu. Li</i>	Kinetics of deformation bands in a low-carbon steel – stainless steel bimetal	60	(2021)	1-2	59-62
2898.	<i>Y. F. Jiang, X. Zhou, W. Y. Zhang</i>	A surface defect detection method for rolling magnesium alloy sheet based on computer vision	60	(2021)	1-2	63-66
2899.	<i>E. Spišák, J. Majerníková, E. Kaščák, J. Slota</i>	Influence of plastic deformation inhomogeneity on corrosion resistance of TIN plates	60	(2021)	1-2	67-70
2900.	<i>P. Skubisz</i>	Results of thermomechanical treatment implementation in hammer drop forging industrial process	60	(2021)	1-2	71-74

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2901.	<i>D. Malindžak, P. Kačmáry, A. Gazda, E. Mihaliková</i>	Order logistics for discrete and continual production processes in industry 4.0 conditions	60	(2021)	1-2	75-78
2992.	<i>F. Vodopivec</i>	Copper wire, model and equation of electrical resistance	60	(2021)	1-2	79-81
2903.	<i>S. Gabdullin, S. Baisanov, S. Kim A. Mukhtar</i>	Melting of ferrosilicon manganese with the use of high ash rock coal as a reducing agent	60	(2021)	1-2	82-84
2904.	<i>P. K. Fedotov, A. E. Senchenko, K. V. Fedotov, A. E. Burdonov</i>	Hydrometallurgical processing of gold-containing ore and its washed products	60	(2021)	1-2	85-88
2905.	<i>A. Baisanov, Zh. Maishina, A. Isagulov, N. Smagulova, V. Yudakova</i>	Experimental melting of high-silicon ferromanganese with the use of ferromanganesian ore and manganese slag	60	(2021)	1-2	89-92
2906.	<i>J. Dobránský, M. Pollák, M. Kočíško</i>	Proposal of a new solution for mold temperature monitoring	60	(2021)	1-2	93-96
2907.	<i>A. Z. Issagulov, T. V. Kovaleva, Ye. P. Chsherbakova</i>	Lost pattern complex composition effect on steel casting structure and properties	60	(2021)	1-2	97-100
2908.	<i>A. Zhunusov, L. Tolymbekova, Ye. Abdulabekov, Zh. Zholdubayeva, P. Bykov</i>	Agglomeration of manganese ores and manganese containing wastes of Kazakhstan	60	(2021)	1-2	101-103
2909.	<i>S. Yeşiltepe, M. K. Şeşen</i>	Hot shortness in steels and a novel approach	60	(2021)	1-2	104-106
2910.	<i>S. A. Mashekov, G. A. Smailova, Zh. S. Abdimuratov, B. A. Nurlıbayev, S. A. Orynbayev, A. Zhauyt</i>	Phase and structural transformations in foil billet during rolling of helical rollers and longitudinal wedge mill (LWM)	60	(2021)	1-2	107-109
2911.	<i>K. S. Turebekova, G. Burkitseterkyzy, G. L. Katkeyeva, Ye. M. Zhunussov</i>	Determination of optimal conditions for autoclave desiliconization of a ZINC product	60	(2021)	1-2	110-112
2912.	<i>R. A. Ramazanova, V. I. Samoilov, N. V. Seraya, G. K. Daumova, E. M. Azbanbaev, R. A. Aubakirova</i>	Investigation of the kinetics of sulphuric acid leaching of zinc from calamine	60	(2021)	1-2	113-116
2913.	<i>Ye. Makhambetov, N. Timirbayeva, S. Baisanov, A. Baisanov, E. Shabanov</i>	Thermodynamic modeling of phase composition for Fe-Ca-Si-Al system	60	(2021)	1-2	117-120
2914.	<i>A. D. Mekhtiyev, A. A. Kovtun, V. V. Yugay, E. G. Neshina, R. Zh. Aimagambetova, A. D. Alkina</i>	Research of mechanical stress at tension of quartz optical fiber (QOF)	60	(2021)	1-2	121-124
2915.	<i>S. A. Mashekov, E. A. Tussupkaliyeva, S. A. Akparova, L. R. Kiyambekova, K. K. Nurakhmetova, B. N. Absadykov</i>	Influence of rolling modes on the anisotropy of sheet metals from carbon steel rolled on the longitudinal wedge mill (LWM) of a new design	60	(2021)	1-2	125-128
2916.	<i>M. Spilka</i>	Shaping workplace safety in the metallurgical industry	60	(2021)	1-2	129-132
2917.	<i>T. Karkoszka</i>	Risk management system in metallurgical production	60	(2021)	1-2	133-136
2918.	<i>S. Tolendiuly, K. Alipbayev, S. Fomenko, A. Sovet, A. Zhauyt</i>	Properties of high-temperature superconductors (HTS) and synthesis technology	60	(2021)	1-2	137-140
2919.	<i>S. A. Mashekov, E. A. Tussupkaliyeva, A. S. Mashekova, N. T. Smailova</i>	Simulation modeling of the combined pressing technology of high-quality rods	60	(2021)	1-2	141-144

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2920.	A. A. <i>Genbach</i> , V. O. <i>Baibekova</i> , K. S. <i>Olzhabayeva</i> , A. <i>Mergalimova</i> , A. S. <i>Rasmukhametova</i> , A. A. <i>Begimbetova</i> , A. <i>Zhauyt</i>	Research and modeling of the cooling system in steam turbine bearings	60	(2021)	1-2	145-148
2921.	S. A. <i>Mashekov</i> , E. A. <i>Tussupkaliyeva</i> , Zh. K. <i>Aimurzaeva</i> , B. N. <i>Absadykov</i> , A. <i>Alimbetov</i>	Development of rational technology of rods production on a radial-shift mill (RSM)	60	(2021)	1-2	149-152
2922.	D. F. <i>Liu</i>	Crack analysis of crankshaft for diesel engine	60	(2021)	1-2	153-155
2923.	S. M. <i>Liu</i> , G. J. <i>Liu</i>	Cause analysis of cracks in diesel engine crankshaft blank	60	(2021)	1-2	156-158
2924.	Y. B. <i>Kaliyev</i> , K. D. <i>Baizhumanov</i> , Z. Zh. <i>Tursymbekova</i> , M. A. <i>Zhumanov</i> , G. A. <i>Smailova</i> , M. M. <i>Azilkiyasheva</i> , A. <i>Zhauyt</i>	Study of stress-strain state billets when rolling in a continuous mill of hot-rolled thin stripes using MSC super forge	60	(2021)	1-2	159-161
2925.	B. <i>Oleksiak</i> , K. <i>Kohtalo</i> , R. <i>Poloczek</i>	Application methods and selected properties of zinc flake coatings	60	(2021)	1-2	162-164
2926.	B. <i>Gajdzik</i>	Steel industry in Poland – trends in production, employment and productivity in the period from 2004 to 2019	60	(2020)	1-2	165-168
2927.	B. <i>Gajdzik</i>	Steel production in Poland with pessimistic forecasts in COVID-19 crisis	60	(2021)	1-2	169-172
2928.	B. <i>Gajdzik</i>	Steel production, consumption and foreign trade in Poland in crises: The financial crisis 2008-2009 and the COVID-19 crisis – first half of 2020	60	(2021)	1-2	173-176
2929.	E. <i>Kardas</i> , R. <i>Prusak</i>	The quality of coke and its consumption blast furnace process	60	(2021)	3-4	181-184
2930.	W. <i>Deng</i> , L. <i>Zhang</i> , D. <i>Cang</i>	Study on distribution of sulfur element in blast furnace (BF) process with different pellet proportions	60	(2021)	3-4	185-187
2931.	K. <i>Janiszewski</i>	The influence of ferrous scrap's grade on the yield of steel smelted in an electric-arc furnace (EAF)	60	(2021)	3-4	188-190
2932.	J. H. <i>Zhang</i> , Y. X. <i>Chen</i> , D. Z. <i>Yang</i>	Process design and life analysis of tundish lining	60	(2021)	3-4	191-194
2933.	S. M. <i>Jia</i> , L. <i>Miao</i> , C. J. <i>Wu</i> , D. <i>Xu</i>	Simulation study on the effect of riser heating mode on solidification of flat ingot head	60	(2021)	3-4	195-197
2934.	H. H. <i>Yu</i> , X. <i>Li</i> , S. M. <i>Wang</i> , Q. Z. <i>Liu</i> , H. <i>Liu</i>	Effect of Cr ₂ O ₃ on crystallization of CaO-MgO-Al ₂ O ₃ -SiO ₂ (CMAS) slag glass-ceramics	60	(2021)	3-4	198-200
2935.	J. <i>Pieprzyca</i> , T. <i>Merder</i>	The process of dissolving solid lump carbonaceous fuel (SLCF) in the oxygen converter - physical modeling	60	(2021)	3-4	201-204
2936.	Y. J. <i>Zhang</i> , L. B. <i>Wu</i>	Adaptive neural event-triggered design for the molten steel level in a strip casting process	60	(2021)	3-4	205-208
2937.	A. <i>Bobrowski</i> , D. <i>Drożyński</i> , K. <i>Kaczmarek</i> , B. <i>Grabowska</i> , S. <i>Cukrowicz</i>	Kinetics of gas emission from aluminosilicates used as a relaxing additive for moulding and core sands	60	(2021)	3-4	209-212
2938.	Y. <i>Gao</i> , L. Y. <i>Huang</i> , C. <i>Chen</i>	Analysis on temperature field after angle steel's controlled cooling	60	(2021)	3-4	213-215
2939.	C. J. <i>Wang</i> , Q. <i>Guo</i> , Y. Y. <i>Shao</i>	Effect of hot rolling temperature on microstructures and textures of grain oriented silicon steel	60	(2021)	3-4	216-218
2940.	L. <i>Bernat</i>	The influence of cooling rate and heat treatment on microstructure and mechanical properties of Al-Si-Cu alloy castings made in gypsum molds	60	(2021)	3-4	219-222
2941.	Iqbal, N. <i>Ali</i> , H. <i>Husin</i> , Akhyar, <i>Khairil</i> , A. <i>Farhan</i>	Effect of pouring temperature on impact toughness on brass (Cu-Zn) through metal casting	60	(2021)	3-4	223-226
2942.	Y. J. <i>Lu</i> , X. D. <i>Shu</i>	Effect of aluminum alloy wheel forging and spinning process parameters on forming force	60	(2021)	3-4	227-229
2943.	M. <i>Radoń</i> , Z. A. <i>Opiekun</i> , A. <i>Dec</i>	Structural analysis of sheet nickel welded joints	60	(2021)	3-4	230-232

1	2	3	4			
2944.	<i>Y. Gao, L. Y. Huang, C. Chen</i>	Analysis on stress and strain after angle steel's controlled cooling	60	(2021)	3-4	233-236
2945.	<i>W. Liu, X. D. Shu, G. X. Zhou, X. Z. Du, Y. J. Lang, Y. X. Xia</i>	Effect of solid solution treatment on microstructure and mechanical properties of extruded MgY12Zn2,5 magnesium alloys	60	(2021)	3-4	237-240
2946.	<i>J. N. Shi, X. D. Shu, S. Zhang, J. T. Wang, Y. X. Xia, C. Q. Ye</i>	Effect of process parameters on the surface forming accuracy of step of hollow step shaft formed by three-roll skew rolling	60	(2021)	3-4	241-244
2947.	<i>Sh. Xu, S. H. Zheng, Sh. Z. Yang, Q. H. Yang</i>	Optimization of deep drawing process parameters of 304 stainless steel	60	(2021)	3-4	245-248
2948.	<i>R. I. Yakin, P. T. Iswanto, E. U. K. Maliwemu</i>	Shot peening effect on surface properties and pitting corrosion resistance of biomedical structural steel AISI 316L	60	(2021)	3-4	249-252
2949.	<i>S. Y. Chen, Y. X. Chen, S. F. Jiao, L. Zhong, L. Gao, L. Miao</i>	Study on laser surface quenching structure and hardness of C45 steel	60	(2021)	3-4	253-256
2950.	<i>J. F. Jin, G. Song, H.C. Ji, W.C. Pei</i>	Constitutive model of AISI 1035 at high temperature	60	(2021)	3-4	257-260
2951.	<i>H. Q. Zhang, H. C. Ji, W. C. Pei, Y. G. Li</i>	Research on model of 6005A aluminum alloy	60	(2021)	3-4	261-264
2952.	<i>R. Yao, H. C. Ji, J. F. Jin, X. Y. Shao, H. Y. Long</i>	High temperature constitutive model of 6005A aluminum alloy	60	(2021)	3-4	265-268
2953.	<i>Z. Ma, H.C. Ji, W. C. Pei, S. F. Wang, Y. G. Li</i>	Constitutive relationship of 7075 aluminum alloy based on modified Zerilli-Armstrong (M - ZA) model	60	(2021)	3-4	269-272
2954.	<i>Z. Zimniak</i>	Telctroplastic effect in magnesium alloy AZ31 using supercapacitors	60	(2021)	3-4	273-276
2955.	<i>Z. S. Peng, H. C. Ji, W. C. Pei, B. Y. Liu, G. Song</i>	Constitutive relationship of TC4 titanium alloy based on back propagating (BP) neural network (NN)	60	(2021)	3-4	277-280
2956.	<i>J. S. Wu, Y. J. Zhang</i>	Research on calculation model of rolling force in twin roll inclined strip casting process	60	(2021)	3-4	281-283
2957.	<i>A. Z. Issagulov, V. Yu. Kulikov, Sv. S. Kvon, M. K. Ibatov, S. K. Arinova, A. M. Dostayeva</i>	Comparative analysis of graphite inclusions in chrome cast iron structure	60	(2021)	3-4	285-288
2958.	<i>M. Mukhametkhan, Y. Mukhametkhan, S. Tleugabulov, G. Zhabalova, V. Shevko</i>	Thermodynamic interaction of concentrate, sludge and mill scale from carbon	60	(2021)	3-4	289-291
2959.	<i>V. Tolokonnikova, S. Baisanov, G. Narikbayeva, I. Korsukova, Ye. Mukhambetgaliyev</i>	Modeling method of phase equilibrium in metal-slag system	60	(2021)	3-4	292-294
2960.	<i>W. Bialik, S. Gil, S. Kozłowski</i>	Technical and technologicAl solutions in development of FeSiAl alloys production from industrial wastes in submerged ARC furnace (SAF)	60	(2021)	3-4	295-298
2961.	<i>A. Z. Issagulov, V. Yu. Kulikov, Sv. S. Kvon, M. K. Ibatov, Ye. P. Shcherbakova</i>	Studying properties of chrome cast irons modified with titanium carbide	60	(2021)	3-4	299-302
2962.	<i>V. Tolokonnikova, S. Baisanov, G. Narikbayeva, I. Korsukova</i>	Assessment of dissociation rate of FeCr ₂ O ₄ using the Bjerrum-Guggenheim coefficient	60	(2021)	3-4	303-305
2963.	<i>Ye. Mukhametkhan, M. Mukhametkhan, S. Tleugabulov, G. Zhabalova, V. Shevko</i>	Complete thermodynamic analysis of the interaction of iron phosphate (FePO ₄) with hydrogen (H ₂) and carbon monoxide (CO)	60	(2021)	3-4	306-308
2964.	<i>M. A. Dyussebekova, B. K. Kenzhaliyev, S. A. Kvyatkovskiy, E. A. Sit'ko, D. Nurkhadianto</i>	The main reasons for increased copper losses with slags from vanyukov furnace	60	(2021)	3-4	309-312

1	2	3	4			
2965.	<i>B. Kelamanov, Ye. Samuratov, A. Akuov, A. Abdirashit, A. Burumbayev, R. Orynbassar</i>	Research possibility of involvement Kazakhstani nickel ore in the metallurgical treatment	60	(2021)	3-4	313-316
2966.	<i>S. Mashekov, N. Sembayev, A. Mashekova, B. Bazarbay, Zh. Turgunov</i>	Modeling of stress-deformed conditions of heavy loaded elements of new equipment of metal injection molding technologies	60	(2021)	3-4	317-320
2967.	<i>A. D. Mekhtiyev, Ye. Zh. Sarsikayev, A. V. Atyaksheva, A. D. Atyaksheva, T. S. Gerassimenko, A. D. Alkina</i>	Method of preventing deposits on the inner surface of circulating water pipelines of ferroalloy electric furnace cooling systems	60	(2021)	3-4	321-324
2968.	<i>A. Volokitin, I. Volokitina, E. Panin, A. Naizabekov, S. Lezhnev</i>	Strain state and microstructure evolution of AISI-316 austenitic stainless steel during high-pressure torsion (HPT) process in the new stamp design	60	(2021)	3-4	325-328
2969.	<i>A. Zhakupov, A. Bogomolov, A. Zhakupova, S. Abdulina, V. Salina</i>	Determination of technological parameters for continuous casting of a hollow pipe billet	60	(2021)	3-4	329-331
2970.	<i>Ye. Mukhambetkaliyev, T. Zhuniskaliyev, S. Baisanov</i>	Research of electrical resistance and beginning softening temperature of high-ash coals for melting of complex alloy	60	(2021)	3-4	332-334
2971.	<i>Zh. A. Ashkeyev, M. Zh. Abishkenov, S. A. Mashekov, A. Kawalek, K. A. Nogaev</i>	Study of the deformation state during the pulling of the workpiece in a special die	60	(2021)	3-4	335-338
2972.	<i>S. Lezhnev, A. Naizabekov, E. Panin, I. Volokitina, D. Kuis</i>	Recycling of stainless steel bar scrap by radial-shear rolling to obtain a gradient ultrafine-grained structure	60	(2021)	3-4	339-342
2973.	<i>P. A. Kropachev, A. D. Mekhtiyev, F. N. Bulatbayev, Y. Zh. Sarsikayev, A. V. Yurchenko</i>	Method of restoring pivot connections cast iron bushings of heat engine with external heat supply	60	(2021)	3-4	343-346
2974.	<i>P. A. Kropachev, A. D. Mekhtiyev, Y. Zh. Sarsikayev</i>	Strengthening elements of steel structures for controlling fatigue fracture	60	(2021)	3-4	347-350
2975.	<i>G. A. Akimbek, B. K. Aliyarov, Sh. A. Akimbekova, A. Zhaulyt</i>	Determination of the intensity of abrasive chafe by different chafeing materials	60	(2021)	3-4	351-354
2976.	<i>S. Mashekov, B. Bazarbay, A. Zhankeldi, A. Mashekova</i>	Development of technological basis of 3D printing with highly filled metal-poly-dimensional compositions for manufacture of metal products of complex shape	60	(2021)	3-4	355-358
2977.	<i>L. Y. Huang, Y. Gao, C. Chen</i>	Study on the best method of controlled cooling for rolled angle steel	60	(2021)	3-4	359-361
2978.	<i>M. M. Azilkiyasheva, S. B. Shayakhmetov, G. B. Bakyt, B. T. Kopenov, G. A. Smailova, Y. Y. Baubekov, A. Zhaulyt</i>	Development of a method for calculating the degree of use of the plasticity resource (DUPR) when rolling on a new continuous mill	60	(2021)	3-4	362-364
2979.	<i>F. B. Chang, Y. Gao, L. Gao, L. Y. Huang</i>	Study on laser welding of dual phase steel	60	(2021)	3-4	365-367
2980.	<i>J. Boryca, C. Kolmasiak, T. Wylecial, D. Urbaniak, H. Otwinowski</i>	Experimental measurements of scale adhesion for a pre-oxidized steel charge	60	(2021)	3-4	368-370
2981.	<i>O. Sariyev, N. Nurgali, G. Beketova, M. Zhanabayev, T. Kainenova, A. Zhakan</i>	Electrical characteristics of charge mixtures for melting rich titanium slag (RTS)	60	(2021)	3-4	371-373
2982.	<i>N. Nurgali, O. Sariyev, A. Mukhambetkaliyev, B. Momenov, A. Kuandykova, R. Abdrashev</i>	Phase composition of titanium-containing raw materials depending on its titanium oxide content	60	(2021)	3-4	374-376

1	2	3	4			
2983.	<i>G. K. Daumova, Yu. I. Lopukhov, E. M. Azbanbayev, N. V. Seraya, A. V. Russakova</i>	Research of ultra-dispersed opal-quartz-carbonate bentonite clay for coating welding electrodes UONI-13/55	60	(2021)	3-4	377-380
2984.	<i>A. Plachta, B. Oleksiak, G. Siwiec, G. Junak</i>	Mechanical properties of brass sheets	60	(2021)	3-4	381-383
2985.	<i>B. Oleksiak, M. Kuczyńska-Chalada, R. Poloczek</i>	Application methods and selected properties of zinc flake coatings	60	(2021)	3-4	384-386
2986.	<i>A. Zhauyt, A. Bukayeva, Z. Tursymbekova, G. Bulekbayeva, Zh. Begendikova, G. Mambetaliyeva, M. Chazhabayeva</i>	Development of hot rolling technology using the method of physical modeling	60	(2021)	3-4	387-390
2987.	<i>L. Semushkina, G. Abdykirova, D. Turysbekov, S. Narbekova, Zh. Kaldybaeva, A. Mukhamedilova</i>	About the possibility of copper-bearing ore flotation processing of with the use of a combined flotation reagent	60	(2021)	3-4	391-394
2988.	<i>D. Turysbekov, N. Tussupbayev, L. Semushkina, S. Narbekova, Zh. Kaldybaeva, A. Mambetaliyeva</i>	Effect of the water-air emulsion size of the foaming agent solution on the non-ferrous metal minerals flotation ability	60	(2021)	3-4	395-398
2989.	<i>C. Kolmasiak, M. Łągiewka</i>	Solidification of the Al alloy composite reinforced with graphite particles	60	(2021)	3-4	399-402
2990.	<i>A. M. Dostayeva, I. I. Erahtina, N. R. Zholmagambetov, N. A. Medeubayev, S. R. Zholmagambetov</i>	Investigation of aluminum-titanium alloys production and labor safety in metal smelting process	60	(2021)	3-4	403-406
2991.	<i>R. A. Ramazanova, S. V. Mamyachenkov, N. V. Seraya, G. K. Daumova, R. A. Aubakirova, Zh. T. Bagasharova</i>	Research of kinetics of zinc leaching with sulfuric acid from smithsonite	60	(2021)	3-4	407-410
2992.	<i>A. A. Ultarakova, A. M. Yessengazyev, E. I. Kuldeyev, K. K. Kassymzhanov, O. Kh. Uldakhanov</i>	Processing of titanium production sludge with the extraction of titanium dioxide	60	(2021)	3-4	411-414
2993.	<i>A. E. Burdonov, P. K. Fedotov, Y. V. Novikov, A. A. Garashchenko, M.P. Kuzmin, A. V. Rasskazova</i>	Influence of temperature on the strength of alumina-containing raw materials	60	(2021)	3-4	415-418
2994.	<i>G. Dairbekova, B. Zhautikov, N. Zobnin, D. Bekmagambetov, D. Tolubayeva</i>	Use of Si-composite aspiration dusts production in the creation of thin-film anodes	60	(2021)	3-4	419-422
2995.	<i>A. K. Koizhanova, A. N. Berkinbayeva, G. V. Sedelnikova, B. K. Kenzhaliyev, M. N. Azlan, D. R. Magomedov, Y. M. Efremova (Dyo)</i>	Research of biochemical gold recovery method using high-arsenic raw materials	60	(2021)	3-4	423-426
2996.	<i>S. Mashekov, E. Nurtazaev, A. Mashekova, M. Abishkenov</i>	Extruding aluminum bars on a new structure radial shear mill	60	(2021)	3-4	427-430
2997.	<i>J. Furman, T. Małysa</i>	The use of lean manufacturing (LM) tools in the field of production organization in the metallurgical industry	60	(2021)	3-4	431-433

1	2	3	4			
2998.	<i>T. Malysa, J. Furman</i>	Application of selected lean manufacturing (LM) tools for the improvement of work safety in the steel industry	60	(2021)	3-4	434-436
2999.	<i>T. Karkoszka</i>	Risk – threats and opportunities in metallurgical production	60	(2021)	3-4	437-440
3000.	<i>M. Łągiewka, C. Kolmasiak</i>	Composite centrifugal castings after remelting	60	(2021)	3-4	441-443
3001.	<i>Bm Thethwayo</i>	The recovery of metals from electronic waste: A review	60	(2021)	3-4	444-446
3002.	<i>B. K. Kasenov, Sh. B. Kasenova, Zh. I. Sagintaeva, E. E. Kuanyshbekov, A. A. Mukhtar, B. T. Ermagambet, A. Nukhuly, Zh. S. Bekturganov, A. K. Zeinidenov</i>	Thermodynamic and electrophysical investigation of nanostructured copper-zinc manganite of lanthanum and lithium LaLi ₂ CuZnMnO ₆	60	(2021)	3-4	447-450
3003.	<i>P. Malinowski</i>	Casting production management system	60	(2021)	3-4	451-453
3004.	<i>B. K. Kassenov, Sh. B. Kassenova, Zh. I. Sagintaeva, B. T. Ermagambet, E. E. Kuanyshbekov, A. A. Mukhtar</i>	Calculation of thermodynamic properties of earth metals – copper-zinc (Cu-Zn)	60	(2021)	3-4	454-456
3005.	<i>T. Karkoszka</i>	Metallurgical processes safety in the context of machinery and other legal requirements	60	(2021)	3-4	457-460
3006.	<i>I. Mamuzić, Predsjednik HMD-a / President of CMS</i>	Zahvala recenzentima / Acknowledgement to reviewers, Metalurgija 60 (2021) 1-4, 1-464	60	(2021)	3-4	284
3007.	<i>I. Mamuzić</i>	IN MEMORIAM Prof., dr. sc. FRANC VODOPIVEC, 1931. – 2021.	60	(2021)	3-4	461-462
3008.	<i>I. Mamuzić</i>	IN MEMORIAM Prof., dr. sc. JOSIP KRAJCAR, 1927. – 2020.	60	(2021)	3-4	463-464

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