

EDITORIAL

Ana Smontara, Emil Babić, and Dražen Vikić-Topić

Croat. Chem. Acta **83** (2010) CXI

BORAN LEONTIĆ – *Curriculum Vitae*

Goran Pichler

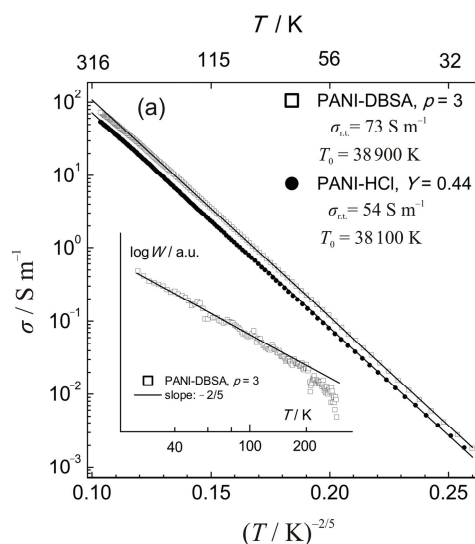
Croat. Chem. Acta **83** (2010) CXIII–CXIV

ORIGINAL SCIENTIFIC PAPERS

CCA-3380

New Aspects of Variable-range-hopping Conductivity in Doped Polyaniline

Dinko Babić, Mirko Baćani, Mario Novak, and Ivan Kokanović

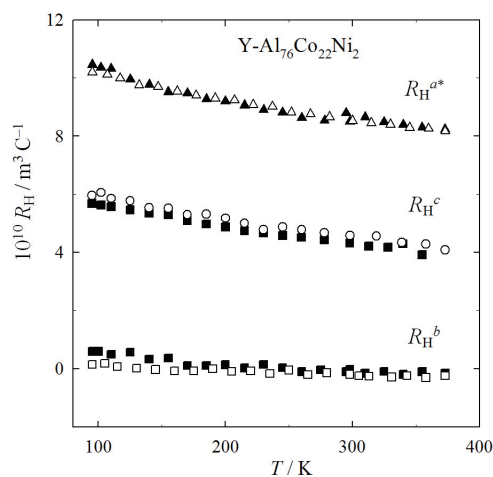


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CCA-3381

Hall Coefficient of the Y-Al-Ni-Co Decagonal Approximant

Denis Stanić, Jovica Ivkov, Janez Dolinšek, and Peter Gille

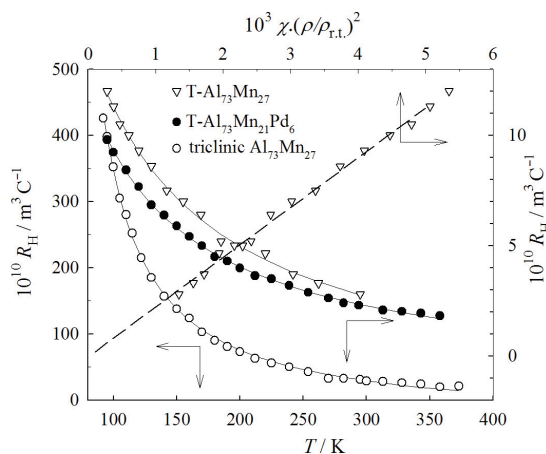


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CCA-3382

Hall Effect of the Triclinic $\text{Al}_{73}\text{Mn}_{27}$ and T- $\text{Al}_{73}\text{Mn}_{27-x}\text{Pd}_x$ ($0 \leq x \leq 6$) Complex Metallic Alloys

Jovica Ivkov, Denis Stanić, Zvonko Jagličić, Janez Dolinšek, Marc Heggen, and Michael Feuerbacher

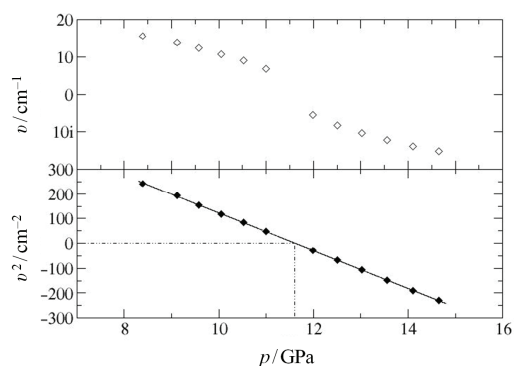


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CCA-3383

High-pressure Phase Transition in CdTe by a Density Functional Lattice Dynamics Approach

Igor Lukačević and Davor Kirin

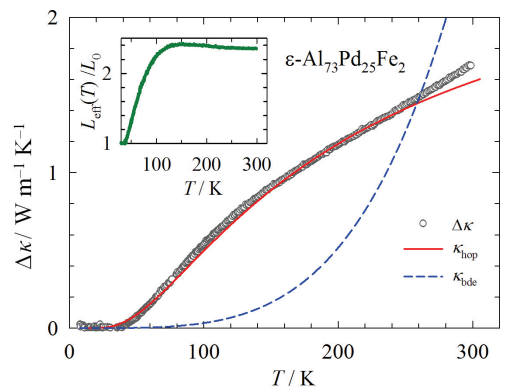


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CCA-3384

Heat Conduction in Complex Metallic Alloys

Ante Bilušić, Igor Smiljanić, Željko Bihar, Denis Stanić, and Ana Smontara

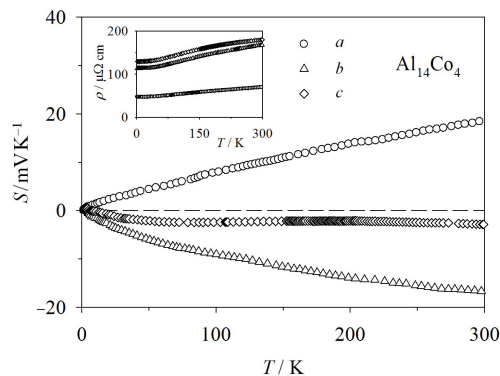


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CCA-3385

Anisotropic Transport Properties of the Orthorhombic $\text{Al}_{13}\text{Co}_4$ Approximant to the Decagonal Quasicrystal

Jagoda Lukatela, Denis Stanić, Petar Popčević, Jovica Ivkov, Janez Dolinšek, and Peter Gille



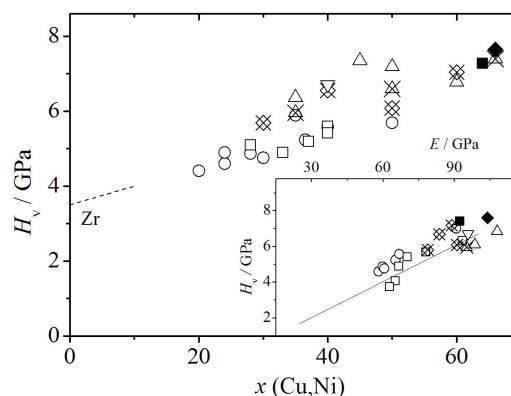
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CCA-3386

Correlation Between Electronic Structure, Mechanical Properties and Stability of TE-TL Metallic Glasses

Ramir Ristić, Emil Babić, Mirko Stubičar,
and Ahmed Kuršumović

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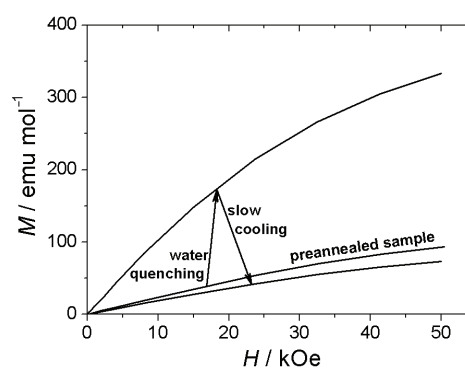


CCA-3387

The Influence of Thermal Treatment on Magnetic Moments in *i*-Al-Pd-Mn Quasicrystals

Marko Jagodič, Zvonko Jagličić, Benjamin Grushko,
and Janez Dolinšek

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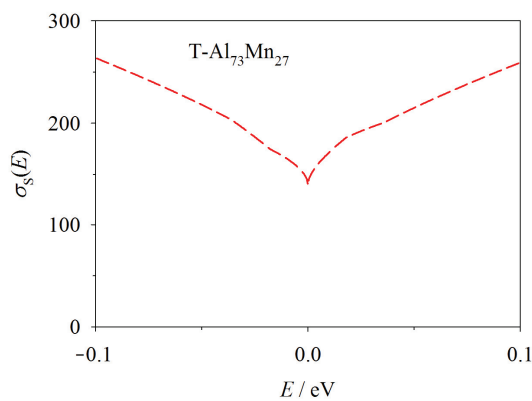


CCA-3388

Transport and Spectral Properties of Taylor-phase T-Al₇₃Mn₂₇ Complex Intermetallic

Ivo Batistić, Denis Stanić, and Eduard Tutiš

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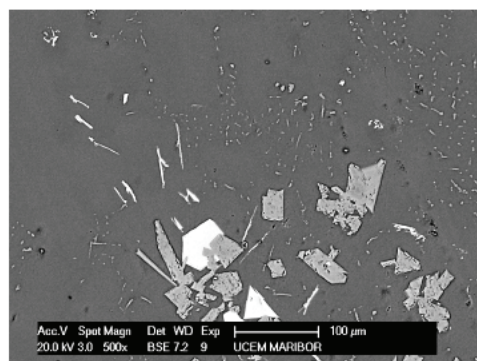


CCA-3389

The Solidification Path of the Complex Metallic Al-Mn-Be Alloy

Boštjan Markoli, Tonica Bončina, and Franc Zupanič

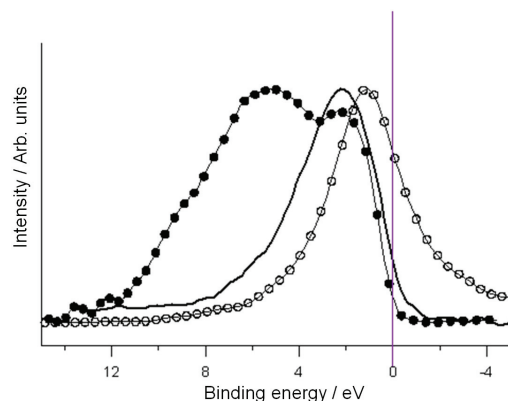
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Electronic Densities of States and Pseudo-gaps in Al-based Complex Intermetallics

Esther Belin-Ferré, Zoltan Dankhazi, Marie-Françoise Fontaine, Marie-Cécile de Weerd, and Jean Marie Dubois

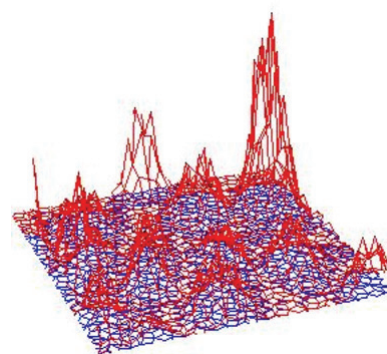


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CCA-3391

Open Theoretical Problems in the Physics of Aperiodic Systems

Anuradha Jagannathan

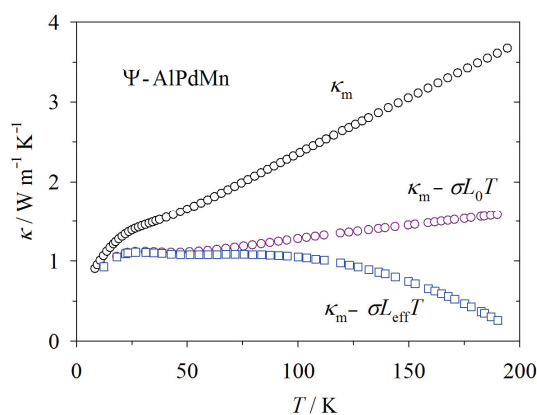


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CCA-3392

Theoretical Aspects of Thermal Transport in Complex Metallic Alloys: A Generalization of the Wiedemann-Franz Law

Enrique Maciá

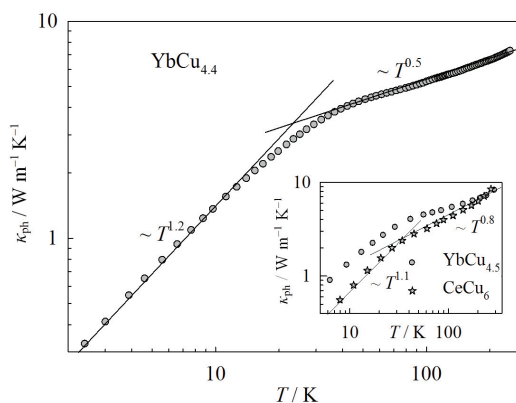


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CCA-3393

Transport Properties of YbCu_{4.4} Giant-unit-cell Metallic Compound

Petar Popčević, Igor Smiljanić, Neven Barišić, Ana Smontara, Janez Dolinšek, and Saskia Gottlieb-Schönmeyer



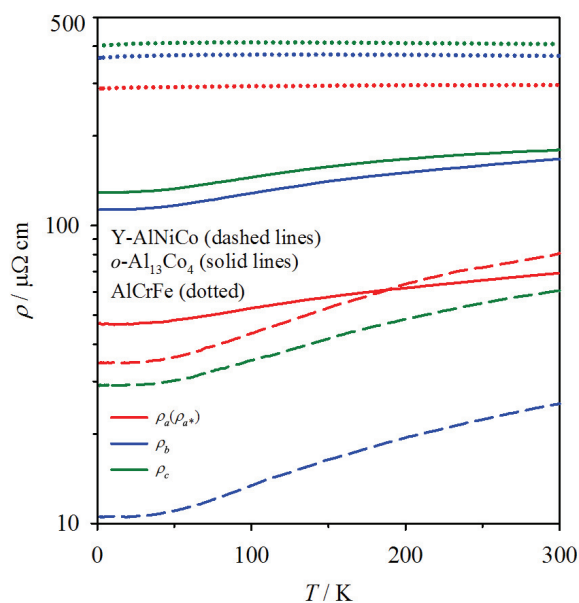
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Croat. Chem. Acta **83** (2010) CV.

CCA-3394

Anisotropic Transport Properties of Complex Metallic Alloys

Ana Smontara and Janez Dolinšek

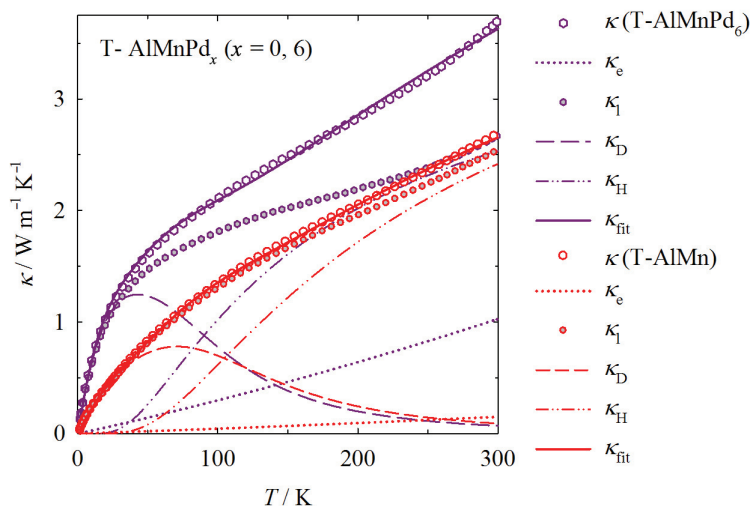


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CCA-3395

Thermal Conductivity of Taylor Phase Al₃(Mn,Pd) Complex Metallic Alloys

Denis Stanić, Petar Popčević, Igor Smiljanić, Željko Bihar, Ante Bilušić, Ivo Batistić, Jovica Ivkov, Marc Hegen, and Michael Feuerbacher

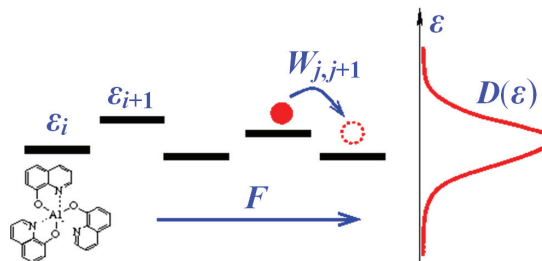


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CCA-3396

Particle-Energy Distribution and Effective Temperature for the Hopping Transport in One-dimensional Disordered System

Eduard Tutiš, Ivan Jurić, and Ivo Batistić

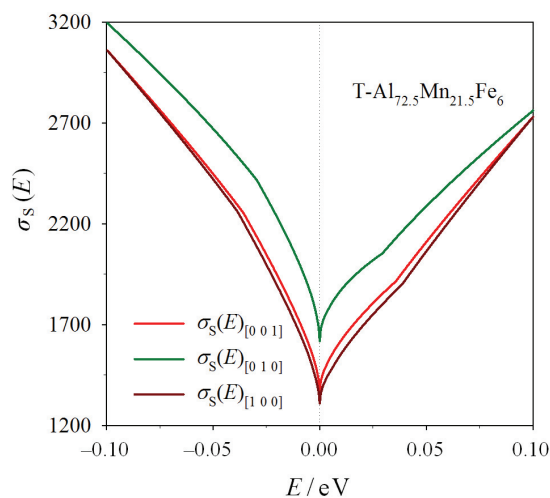


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CCA-3397

The Generalization of the Kinetic Equations and the Spectral Conductivity Function to Anisotropic Systems: Case T-Al_{72.5}Mn_{21.5}Fe₆ Complex Metallic Alloy

Petar Popčević, Ivo Batistić, Eduard Tutiš, Kristijan Velebit, Marc Heggen, and Michael Feuerbacher

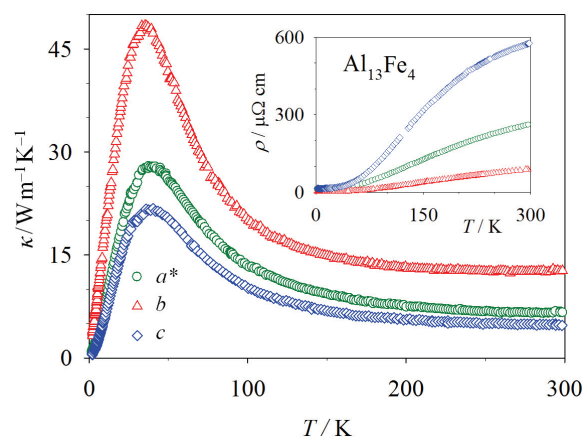


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CCA-3398

Anisotropic Transport Properties of the Al₁₃Fe₄ Decagonal Approximant

Petar Popčević, Ana Smontara, Janez Dolinšek, and Peter Gille

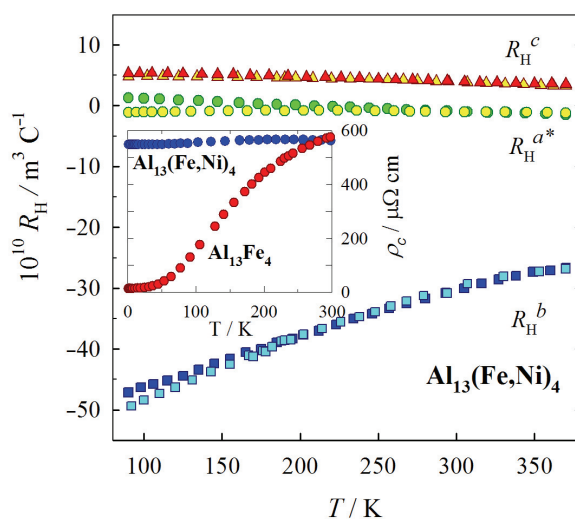


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CCA-3399

Hall Effect of the Al₁₃Fe₄ Decagonal Approximant and Its Ternary Extension Al₁₃(Fe,Ni)₄

Jovica Ivkov, Petar Popčević, Janez Dolinšek, and Peter Gille



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APPENDIX

CXV–CXVI