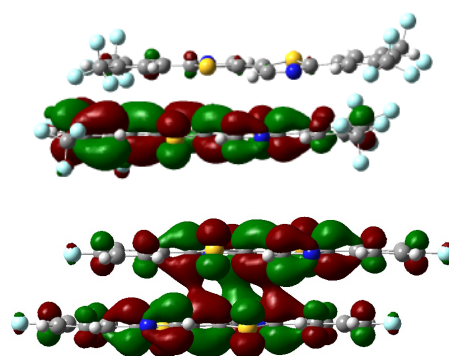


SCIENTIFIC ARTICLES

ORIGINAL SCIENTIFIC ARTICLE

Electronic Structures and Mobilities of 2,2'-diphenyl-5,5'-bithiazole Derivatives

Su-Qin Zhou, Xue-Hai Ju

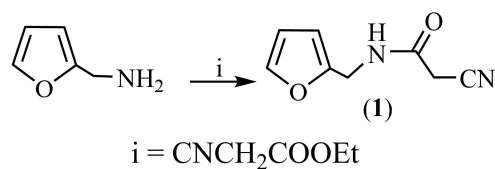


Croat. Chem. Acta 2017, 90(1), 1–5
DOI: 10.5562/cca3088

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Synthesis of New Thiazole, Bithiazolidinone and Pyrano[2,3-d]thiazole Derivatives as Potential Antimicrobial Agents

Mohamed A. Salem

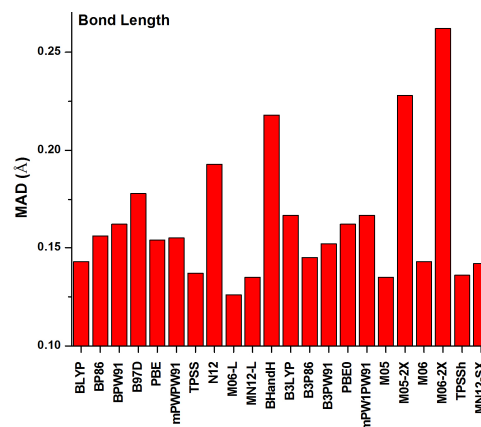


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DOI: 10.5562/cca2955

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Assessment of DFT Functionals in Predicting Bond Length and Atomization Energy of Catalytically Important Metal Dimers

Selvarengan Paranthaman

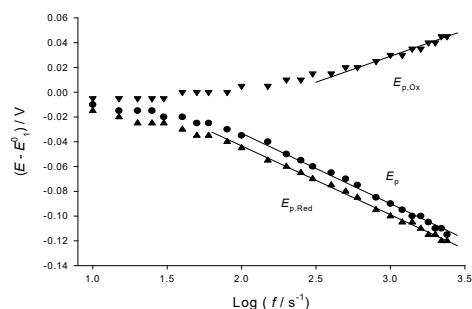


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DOI: 10.5562/cca2973

Simulation of Square Wave Voltammetry of Three Step Redox Reactions on Spherical Electrodes

Šebojka Komorsky-Lovrić, Milivoj Lovrić

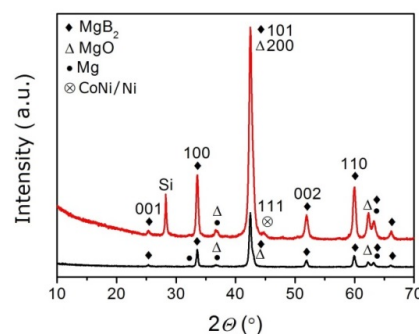
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DOI: 10.5562/cca3048



Microstructural Features of Magnetic NiCoB Nanoparticles Addition to MgB₂ Precursor Powders

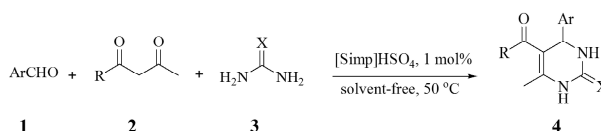
Ivana Lončarek, Anđelka M. Tonejc, Željko Skoko, Nikolina Novosel, Mislav Mustapić

Croat. Chem. Acta **2017**, *90*(1), 37–51
DOI: 10.5562/cca2985



A Highly Efficient and Green Catalytic Synthesis of 3,4-dihydro-pyrimidin-2-(1H)-ones (Thiones) Using 3-sulfonic Acid-1-imidazolopyridinium Hydrogen Sulfate under Solvent-free Conditions

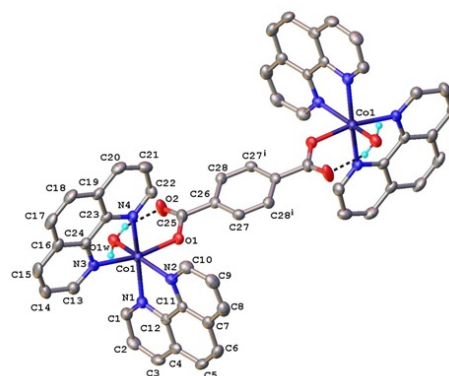
Mohammad Bakherad, Mohaddeseh Javanmardi, Raheleh Doosti, Reza Tayebee



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DOI: 10.5562/cca3013

Immobilised Co(II) Homodinuclear Coordinative Compound with Terephthalate and o-phenanthroline as Ligands: Synthesis, Crystal Structure and Applications

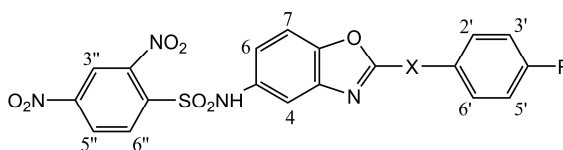
Catalin Blegescu, Dumitru Ganju, Sergiu Shova, Doina Humelnicu



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DOI: 10.5562/cca3079

Synthesis, Antimicrobial Activities of New Sulfonamidobenzoxazoles and Molecular Docking Studies on *Escherichia coli* TEM-1 β -Lactamase

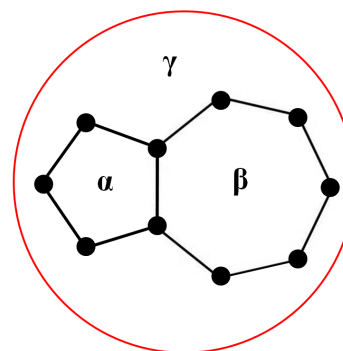
Tugba Ertan-Bolelli, Kayhan Bolelli, Suzan Okten, Fatma Kaynak-Onurdag, Esin Aki-Yalcin, Ismail Yalcin



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DOI: 10.5562/cca3111

A Dual of the Cycle Theorem and its Application to Molecular Complexity

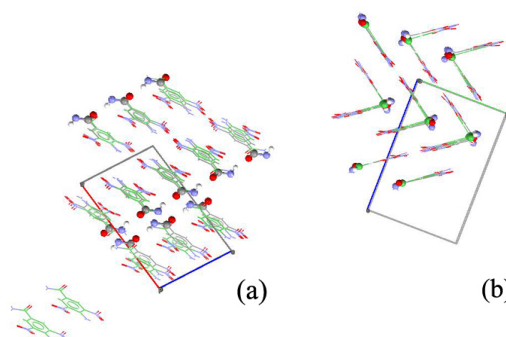
Edward C. Kirby, Roger B. Mallion, Paul Pollak, Paweł J. Skrzyński



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DOI: 10.5562/cca3099

Ab initio Prediction of the Stable Polymorphs of 4-amino-3,5-dinitrobenzamide (DOPLOL)

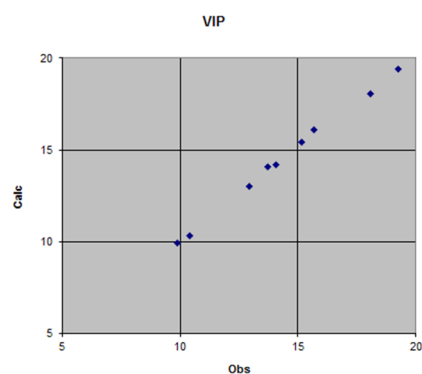
Arputharaj David Stephen, Pallipurath Veleelath Nidhin, Ponnusamy Srinivasan



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DOI: 10.5562/cca3065

Computational Study of the Electron Spectra of Acetamide and *N*-methylformamide

Delano P. Chong



Croat. Chem. Acta **2017**, *90*(1), 99–105
DOI: 10.5562/cca3077