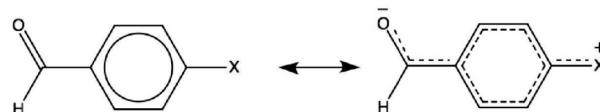


SCIENTIFIC ARTICLES

ORIGINAL SCIENTIFIC ARTICLE

Rotational Barrier and Quantification of Electron-Donating Substituent Effects: a Computational Study of *para*-Substituted Benzaldehydes

Ali Hussain Yateem

 $X : e$ -donating substituentH, ---, CH₃, ---, SH, ---, OCH₃, ---, NHCH₃, ---, O⁻

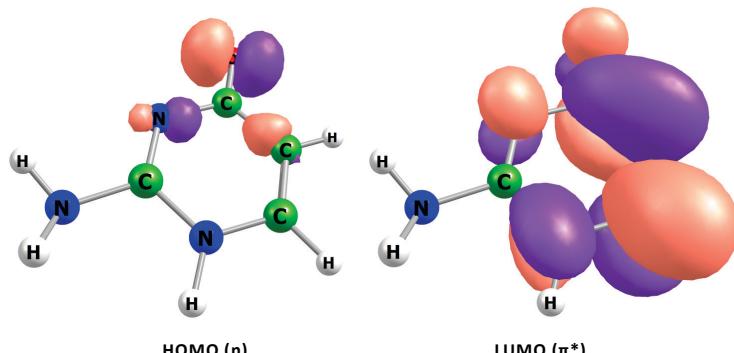
Rotational Barrier

Croat. Chem. Acta 2020, 93(2), 85–95
DOI: 10.5562/cca3672

ORIGINAL SCIENTIFIC ARTICLE

Photo-induced Dissociation of the N1-H Bond in the Imino Tautomers of Isocytosine in Water Medium

Blagovest H. Dimitrov, Vassil B. Delchev

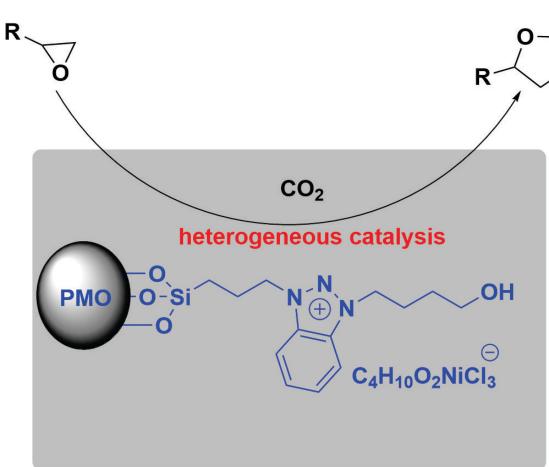


Croat. Chem. Acta 2020, 93(2), 97–104
DOI: 10.5562/cca3659

ORIGINAL SCIENTIFIC ARTICLE

Benzotriazolium Ionic Liquid Immobilized on Periodic Mesoporous Organosilica as an Effective Reusable Catalyst for Chemical Fixation of CO₂ into Cyclic Carbonates

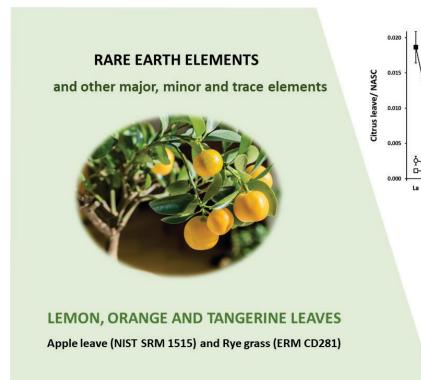
Jing Rui Li, Yu Lin Hu



Croat. Chem. Acta 2020, 93(2), 105–110
DOI: 10.5562/cca3668

Distribution of Rare Earth Elements in Citrus Leaves and Reference Materials (NIST SRM 1515 and ERM CD281)

Željka Fiket, Martina Furdek Turk

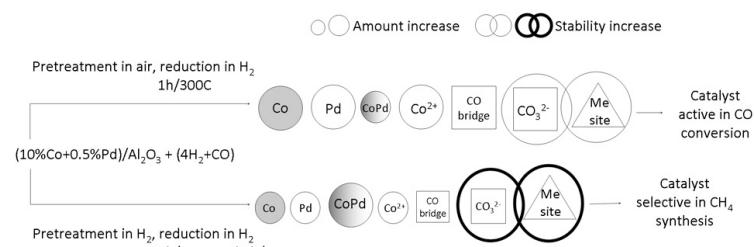


Croat. Chem. Acta 2020, 93(2), 111–120

DOI: 10.5562/cca3663

Role of the Various Surface Sites and Species in CO Hydrogenation Over Alumina-supported Co-Pd Catalysts

Maya G. Shopska, Iskra Z. Shtereva, Hristo G. Kolev, Krasimir K. Tenchev, Silviya Z. Todorova, Georgi B. Kadivov

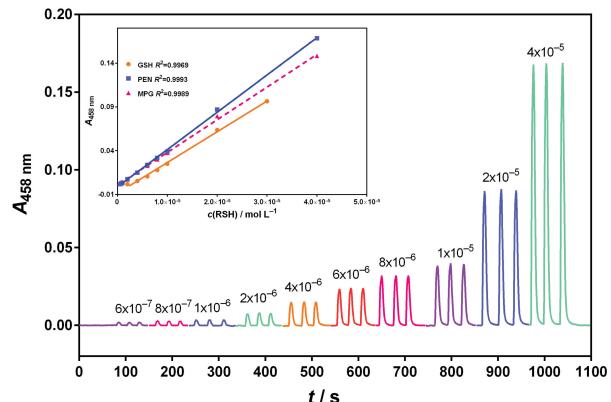


Croat. Chem. Acta 2020, 93(2), 121–131

DOI: 10.5562/cca3649

Flow-injection Determination of Glutathione, Penicillamine and Tiopronin Based on the Reduction of Copper(II)-neocuproine Reagent

Lea Kukoc-Modun, Maja Biocic, Njegomir Radić

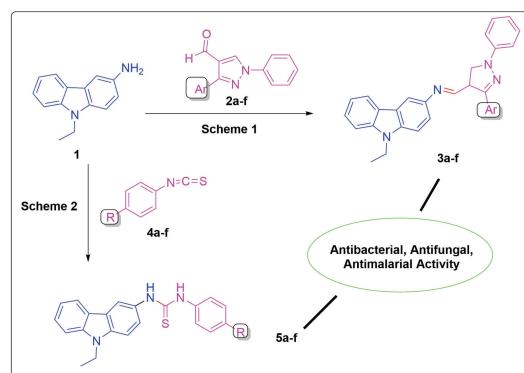


Croat. Chem. Acta 2020, 93(2), 133–138

DOI: 10.5562/cca3688

Synthesis and Biological Assessment of Carbazole Linked Pyrazole Schiff bases and Diarylthiourea Derivatives

Gopinath D. Shirole, Gajanan R. Pandhare, Anil G. Gadhave, Bhagawat K. Uphade, Dilip S. Aute, Vijay A. Kadnor

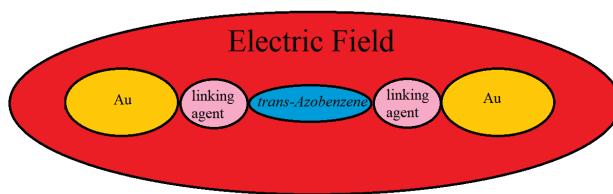


Croat. Chem. Acta 2020, 93(2), 139–146

DOI: 10.5562/cca3700

A DFT Study on the Efficacy of Linking Agents (Sulfur and Nitrogen) to Connect Trans-azobenzene Sandwiched Between Two Gold Electrodes

C. Karthika, R. Praveena, S. Ramachandran,
K. Sadasivam, G. Salgado, P. Muñoz, L. Gerli,
L. H. Mendoza-Huizar



Croat. Chem. Acta **2020**, 93(2), 147–155

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