CROATICA CHEMICA ACTA

Croat. Chem. Acta **2026**, *99*(2), 105–229
Published online: May 21, 2026

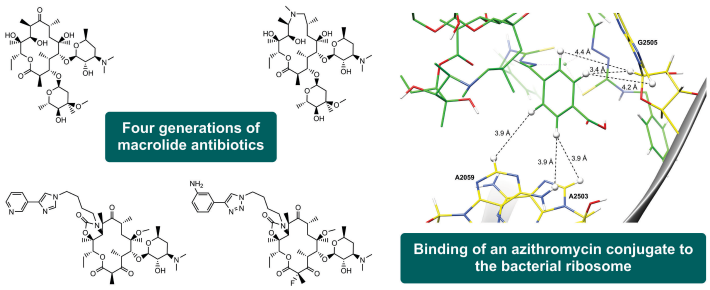
HKD 1926

SCIENTIFIC ARTICLES

REVIEW

Macrolide Structure, Bioactivity and Interactions: a Review

Ivana Mikulandra, Iva Habinovec, Tomislav Jednačak, Predrag Novak

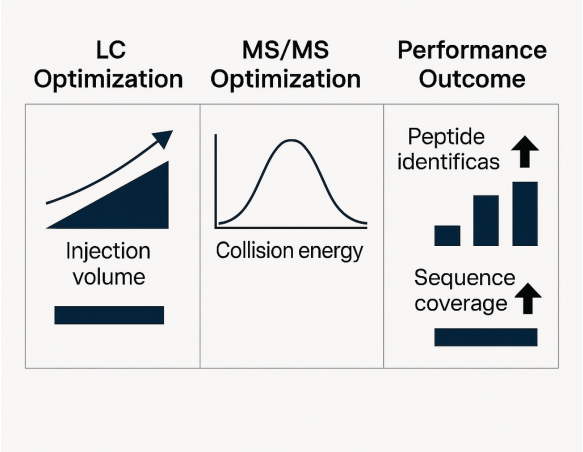


Croat. Chem. Acta **2026**, *99*(2), 105–123
DOI: 10.5562/cca4325

ORIGINAL SCIENTIFIC ARTICLE

Systematic Optimization of Micro-flow LC–QTOF Conditions for Data-Dependent Peptide Analysis

Vida Petrušić, Darko Preiner, Ana Jeromel, Jerko Štambuk, Ivana Tomaz

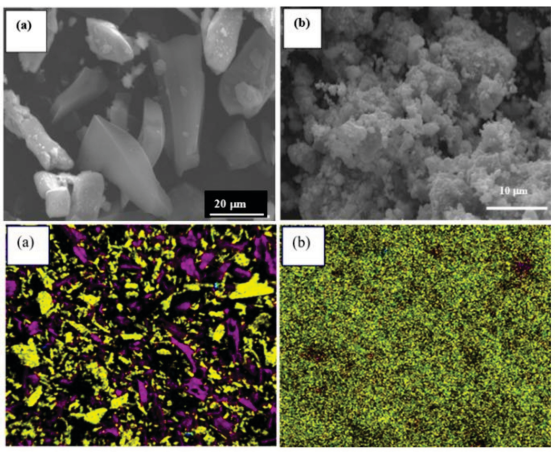


Croat. Chem. Acta **2026**, *99*(2), 125–136
DOI: 10.5562/cca4235

ORIGINAL SCIENTIFIC ARTICLE

Mechanical Activation of Carboreduction Pathways in MoO_3 Powders

Nadjia Hammoutene, Boualem Bourahla

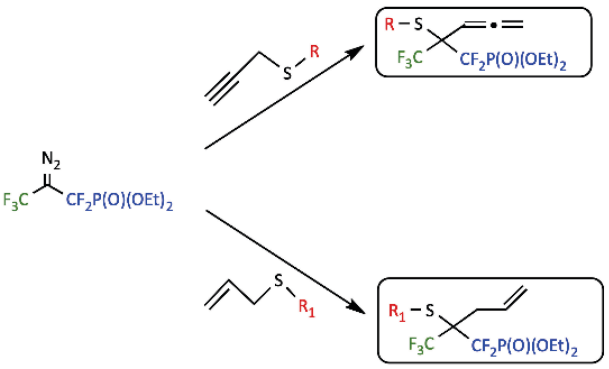


Croat. Chem. Acta **2026**, *99*(2), 137–146
DOI: 10.5562/cca4194

ORIGINAL SCIENTIFIC ARTICLE

Exploiting the Reactivity of 2-Diazo-1,1,3,3,3-Pentafluoropropyl Phosphonate in [2,3]-Sigmatropic Rearrangement Reactions

Ita Hajdin, Romana Pajkert, Antonija Mravak, Jianlin Han, Gerd-Volker Röschenthaler

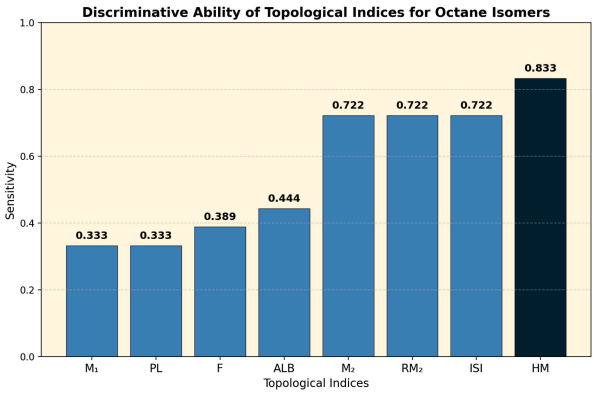


Croat. Chem. Acta **2026**, *99*(2), 147–153
DOI: 10.5562/cca4248

ORIGINAL SCIENTIFIC ARTICLE

Resolving Open Problems on the Hyper-Zagreb Index and its Chemical Applications

Kinkar Chandra Das, Jayanta Bera

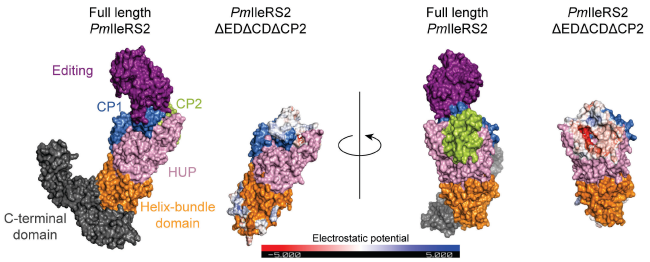


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DOI: 10.5562/cca4233

ORIGINAL SCIENTIFIC ARTICLE

Catalytic and Accessory Domains Jointly Ensure the Functional Fold of Isoleucyl-tRNA Synthetase

Igor Zivkovic, Melody Skulac, Ita Gruic-Sovulj

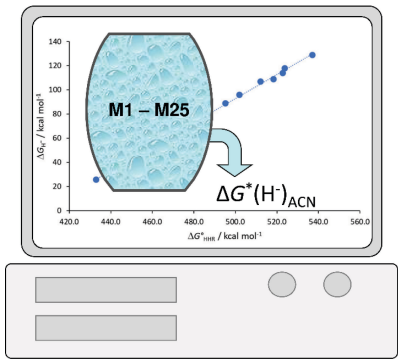


Croat. Chem. Acta **2026**, *99*(2), 165–174
DOI: 10.5562/cca4270

ORIGINAL SCIENTIFIC ARTICLE

DFT Approach to the Gibbs Energy of Hydride Anion in Acetonitrile by Modelling Hydricities

Zoran Glasovac, Borislav Kovačević, Davor Margetić

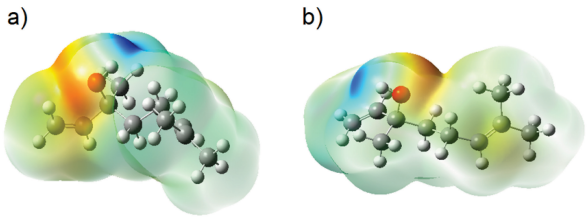


Croat. Chem. Acta **2026**, *99*(2), 175–183
DOI: 10.5562/cca4247

ORIGINAL SCIENTIFIC ARTICLE

Reactivity and Intramolecular Interactions in Linalool: A Computational Study Using Reactivity Descriptors, NCI, NBO, and QTAIM Analyses

Karen Canseco-Sandoval, Clara Hilda Rios-Reyes, Luis Humberto Mendoza-Huizar

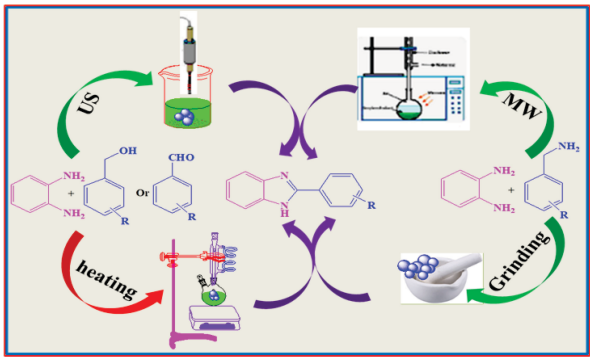


Croat. Chem. Acta **2026**, *99*(2), 185–194
DOI: 10.5562/cca4249

ORIGINAL SCIENTIFIC ARTICLE

Nano-catalyzed Synthetic Methods for Benzimidazoles

Sunil Padavi, Rajendra Patil, Jagdish Chavan, Sudhakar Ujgare, Anil Beldar

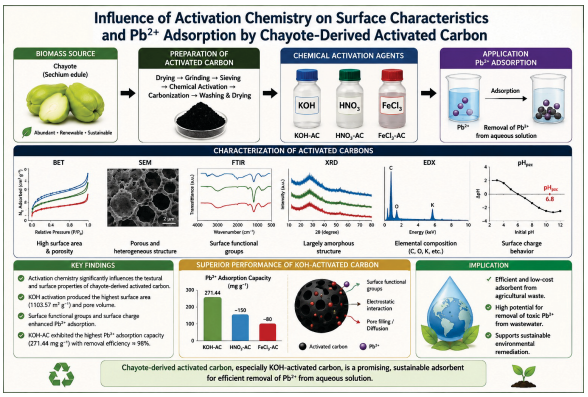


Croat. Chem. Acta **2026**, *99*(2), 195–214
DOI: 10.5562/cca4340

ORIGINAL SCIENTIFIC ARTICLE

Influence of Activation Chemistry on Surface Characteristics and Pb^{2+} Adsorption by Chayote-Derived Activated Carbon

Nikili K. Zhimo, Neilanuo Huozha, Daniel Kibami



Croat. Chem. Acta **2026**, *99*(2), 215–229
DOI: 10.5562/cca4360