

**INTRODUCTION** – *Proceedings of the 31<sup>st</sup> MCC Conference*

REMINISCENCE

**Memories of the moments spent with Edward Cameron Kirby (1934 – 2019)**

Sanja Tomić

Croat. Chem. Acta 2019, 92(4), 443–444

DOI: 10.5562/cca3611

**SCIENTIFIC ARTICLES** – *Proceedings of the 31<sup>st</sup> MCC Conference*

ORIGINAL SCIENTIFIC ARTICLE

**Some Observations on Triplet Ground-States in the Context of ‘Topological’ (HLPM) Ring-Currents in Conjugated Systems**

Timothy K. Dickens, Roger B. Mallion



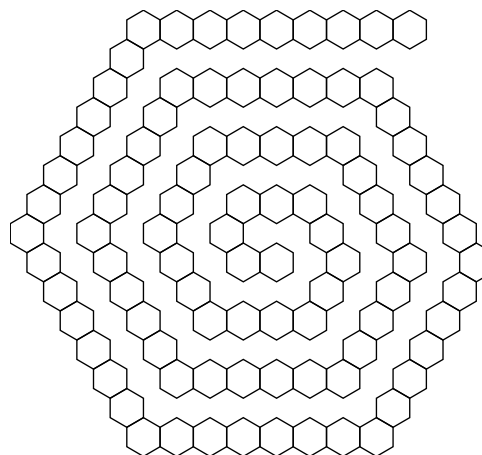
Croat. Chem. Acta 2019, 92(4), 445–455

DOI: 10.5562/cca3538

ORIGINAL SCIENTIFIC ARTICLE

**Convexity Deficit of Benzenoids**

Nino Bašić, Sarah J. Berkemer, Jörg Fallmann, Patrick W. Fowler, Thomas Gatter, Tomaž Pisanski, Nancy Retzlaff, Peter F. Stadler, Sara Sabrina Zemljčič

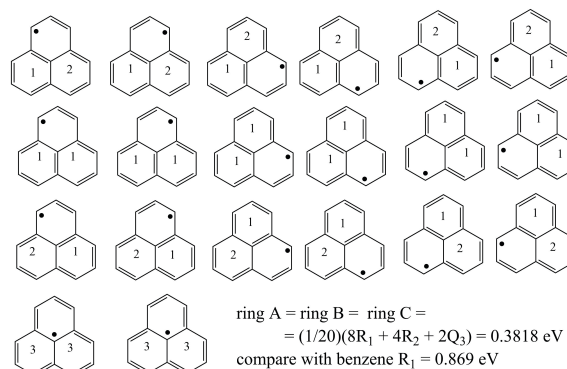


Croat. Chem. Acta 2019, 92(4), 457–466

DOI: 10.5562/cca3602

**Is Phenalenyl Aromatic?**

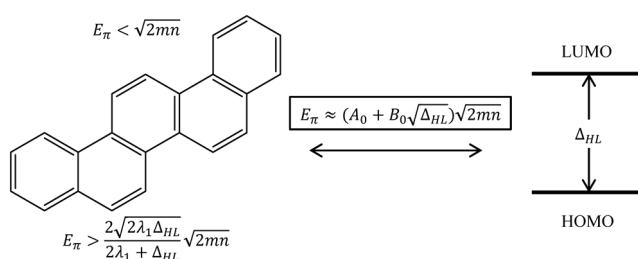
Jerry Ray Dias

*Croat. Chem. Acta* **2019**, 92(4), 467–471

DOI: 10.5562/cca3599

**Two Stability Criteria for Benzenoid Hydrocarbons and Their Relation**

Ivan Gutman, Izudin Redžepović, Boris Furtula

*Croat. Chem. Acta* **2019**, 92(4), 473–475

DOI: 10.5562/cca3593

**OTHER PAPERS** – *Proceedings of the 31<sup>st</sup> MCC Conference***In Memoriam: Edward Cameron Kirby (1934 – 2019)**

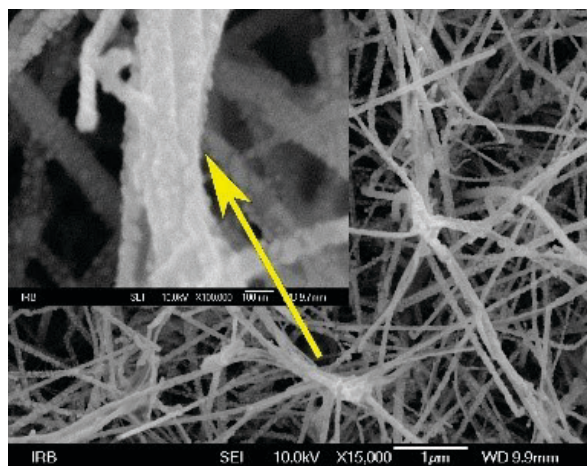
Roger Mallion

*Croat. Chem. Acta* **2019**, 92(4), 477–478

DOI: 10.5562/cca3610

**SCIENTIFIC ARTICLES** – *regular section***Surface Enhanced Raman Spectroscopy for Molecular Identification- a Review on Surface Plasmon Resonance (SPR) and Localised Surface Plasmon Resonance (LSPR) in Optical Nanobiosensing**

Leda G. Bousiakou, Hrvoje Gebavi, Lara Mikac, Stefanos Karapetis, Mile Ivanda

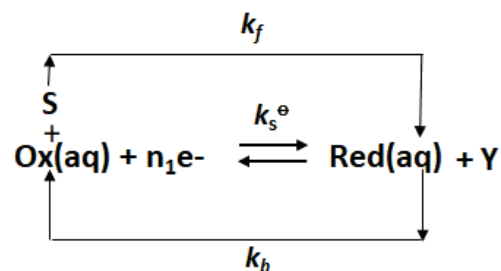
*Croat. Chem. Acta* **2019**, 92(4), 479–494

DOI: 10.5562/cca3558

### Diffusional Electrochemical Catalytic (EC') Mechanism Featuring Chemical Reversibility of Regenerative Reaction-Theoretical Analysis in Cyclic Voltammetry

Sofija Petkovska, Rubin Gulaboski

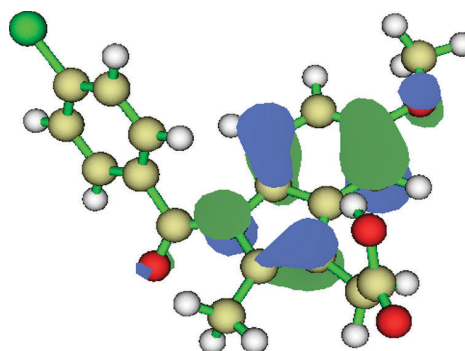
*Croat. Chem. Acta* **2019**, 92(4), 495–502  
DOI: 10.5562/cca3607



### Interactions of Indomethacin with Functionalized Rhombellanes – a Molecular Docking Study

Raluca Pop, Dušana Janežič

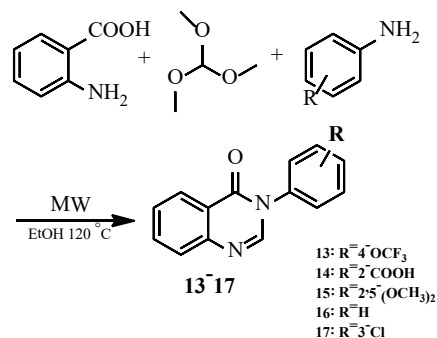
*Croat. Chem. Acta* **2019**, 92(4), 503–509  
DOI: 10.5562/cca3591



### Screening of Natural Deep Eutectic Solvents for Green Synthesis of 2-methyl-3-substituted Quinazolinones and Microwave-Assisted Synthesis of 3-aryl Quinazolinones in Ethanol

Mario Komar, Maja Molnar, Anastazija Konjarević

*Croat. Chem. Acta* **2019**, 92(4), 511–517  
DOI: 10.5562/cca3597



### Theoretical, Spectroscopic and Crystal Structure Investigation of a Novel Selenomolybdate (NH<sub>4</sub>)<sub>4</sub>[Se<sub>2</sub>Mo<sub>5</sub>O<sub>21</sub>]·3H<sub>2</sub>O

Jihen Ajmi, Ichraf Nagazi, Takoua Ben Issa, Ali Harchani, Amor Haddad

*Croat. Chem. Acta* **2019**, 92(4), 519–529  
DOI: 10.5562/cca3605

