

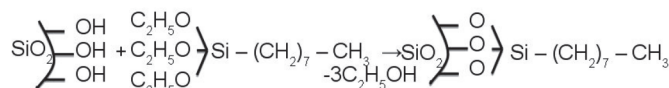
---

**ORIGINAL SCIENTIFIC ARTICLES**

---

**Synthesis and Characterization of *n*-octyl Chemically Modified Diatomaceous Earth**

Olivia Florena Măruțoiu,\* Ioan Bratu, Sorin Hodișan, and Cristian Tigae

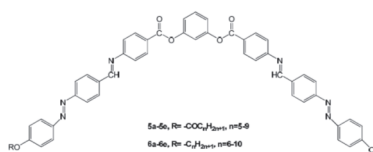


*Croat. Chem. Acta* 87 (2014) 1–6.

---

**Symmetric Bent-core Liquid Crystals of Some Schiff Bases Containing Azo Linkage**

Catalina Ionica Ciobanu, Irina Carlescu, Gabriela Lisa, and Dan Scutaru\*



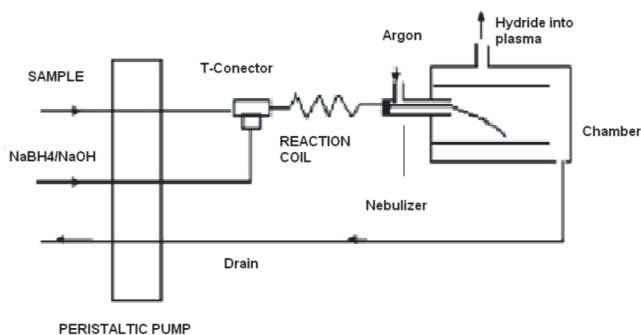
6c, 217°C, second cooling

*Croat. Chem. Acta* 87 (2014) 7–16.

---

**Chemical Vapour Generation for Tin Determination in High-content Calcium Matrix by Inductively Coupled Plasma Atomic Emission Spectrometry**

Sanda Rončević,\* Ivan Nemet, Lovorka Pitarević Svedružić, and Davorin Medaković

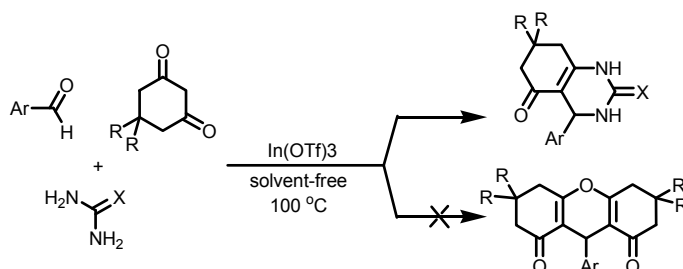


*Croat. Chem. Acta* 87 (2014) 17–22.

---

### Indium(III) Trifluoromethanesulfonate: a Reusable Catalyst for the Solvent-free Synthesis of some Quinazolinones/thiones

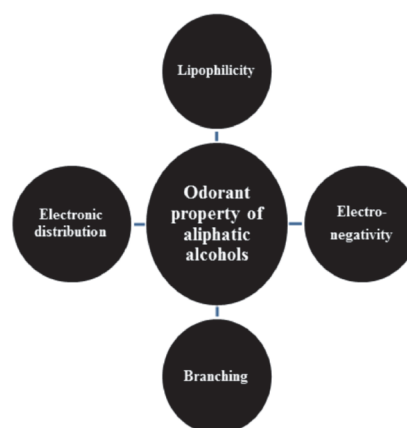
Bahador Karami,\* Saeed Khodabakhshi, and Sajad Karami



*Croat. Chem. Acta* **87** (2014) 23–27.

### QSPR Modeling of Odor Threshold of Aliphatic Alcohols Using Extended Topochemical Atom (ETA) Indices

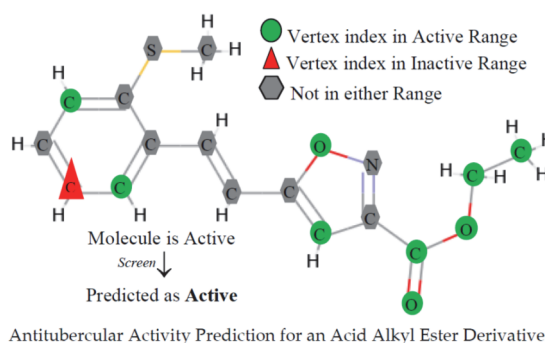
Pallabi Pal, Indrani Mitra, and Kunal Roy\*



*Croat. Chem. Acta* **87** (2014) 29–37.

### Role of Vertex Index in Substructure Identification and Activity Prediction: A Study on Antitubercular Activity of a Series of Acid Alkyl Ester Derivatives

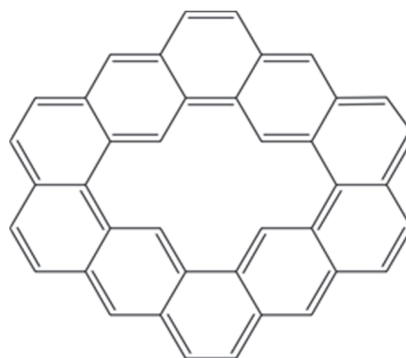
Chandan Raychaudhury, Durga D. Kandel, and Debnath Pal\*



*Croat. Chem. Acta* **87** (2014) 39–47.

### Forcing, Freedom, & Uniqueness in Graph Theory & Chemistry

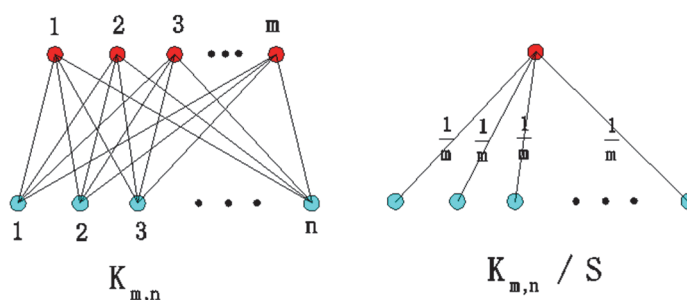
Douglas J. Klein\* and Vladimir Rosenfeld



*Croat. Chem. Acta* **87** (2014) 49–59.

### Relations Between Resistance Distances of a Graph and its Complement or its Contraction

Yujun Yang

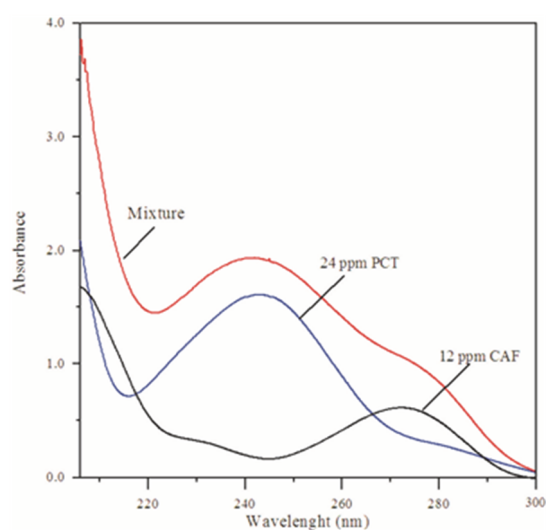


*Croat. Chem. Acta* **87** (2014) 61–68.

### Spectrophotometric Simultaneous Determination of Caffeine and Paracetamol in Commercial Pharmaceutical by Principal Component Regression, Partial Least Squares and Artificial Neural Networks Chemometric Methods

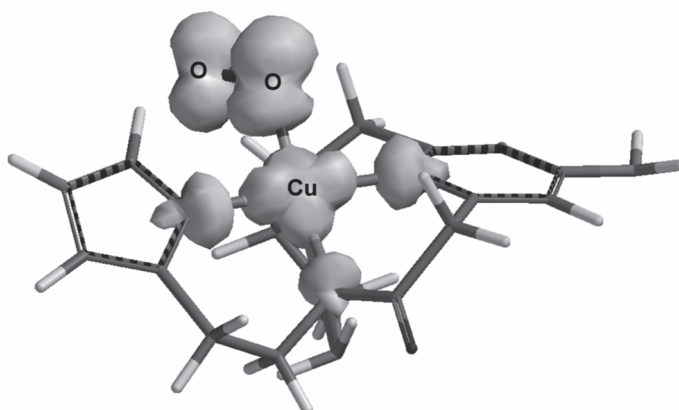
A. Hakan Aktaş\* and Filiz Kitiş

*Croat. Chem. Acta* **87** (2014) 69–74.



### Dioxygen Activation by Copper-Bleomycin: Theoretical Considerations

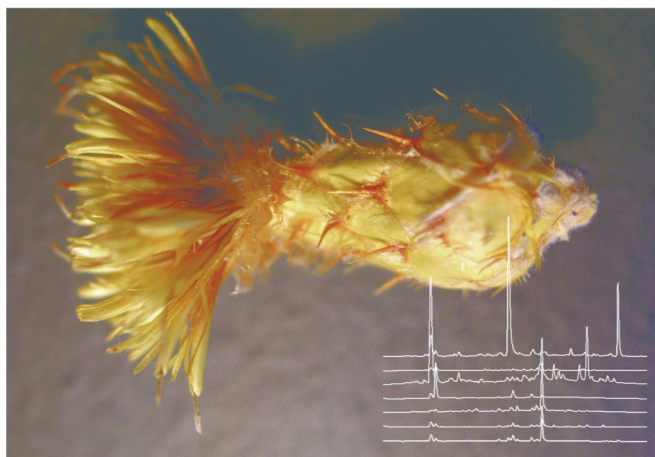
Radu Silaghi-Dumitrescu,\* Mihai Surducian, and Anita Papp



*Croat. Chem. Acta* **87** (2014) 75–78.

### Phenolic Compounds in *Centaurea rupestris* Tissues and Their Antiphytoviral Activity

Mirna Ćurković-Perica,\* Saša Likić, and Gordana Rusak

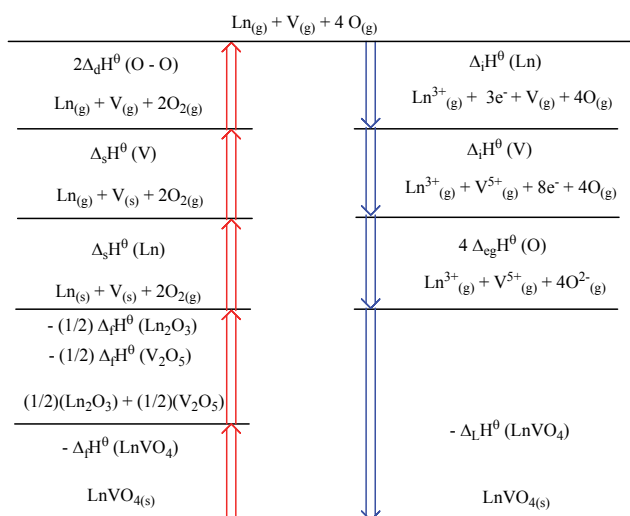


*Croat. Chem. Acta* **87** (2014) 79–84.

### Lattice Enthalpies of Lanthanide Orthovanadates $\text{LnVO}_4$

Dimitar Petrov

*Croat. Chem. Acta* **87** (2014) 85–89.



*Croat. Chem. Acta* **87** (2014) CIII.

---

**OBITUARY**

---

**Jerome Karle, Nobel Laureate in Chemistry  
(1918–2013)**

CIX– CX

Biserka Kojić-Prodić

---

**APPENDICES**

---

**Conclusion**CXI

---