

# REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

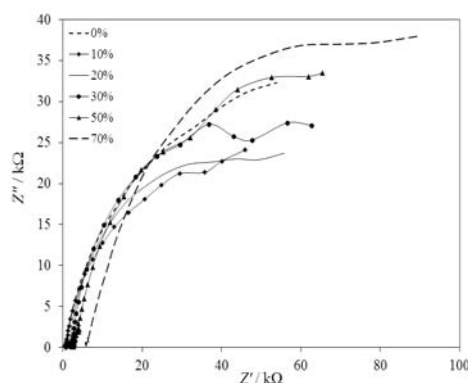
Tome 62, N° 12

Décembre 2017

## PAPERS

**Ahmad GOODARZI, Iman DANAEI,  
Hadi ESKANDARI and Soudabeh NIKMANESH**

Effect of volume ratio and temperature on corrosion behavior of duplex stainless steel AISI 2205 in ethylene glycol-water mixture

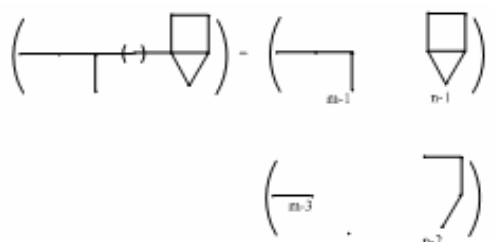


Rev. Roum. Chim., 2017, 62(12), 885-895

**Key words:** duplex stainless steel, corrosion, ethylene glycol, impedance.

**İnci GÜLTEKİN and Bünyamin ŞAHİN**

The Merrifield-Simmons indices of 2-methyl alkanes and 1-methyl bicyclo[X.1.0] alkanes

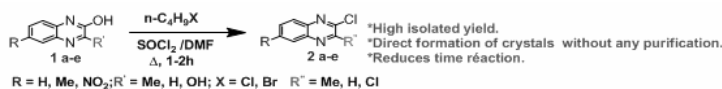


**Key words:** Merrifield-Simmons index, 2-methyl alkanes, 1-methyl bicyclo[X,1,0] alkanes.

Rev. Roum. Chim., 2017, 62(12), 897-901

**Zohra BOUANANE, Mahmoud BOUNEKHEL,  
Meriem ELKOLLI and Abdelilah TAKFAOUI**

A new solvent for the reaction of chlorination of hydroxyquinoxaline derivatives with Vilsmeier reagent

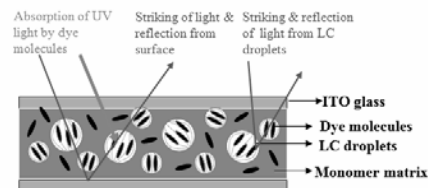


Rev. Roum. Chim., 2017, 62(12), 903-906

**Key words:** hydroxyquinoxalines, chlorination, Vilsmeier reagent, alkyl halides, N,N-dimethylformamide.

**Farzana AHMAD, Jin Woo LEE,  
Young Jae JEON and Muhammad JAMIL**

Study of curing temperature on dye doped polymer dispersed liquid crystal films

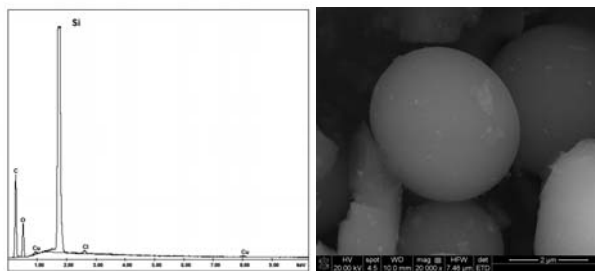


**Key words:** polymer dispersed liquid crystals (PDLC), dye-doped PDLCs, liquid crystals, liquid crystals display.

Rev. Roum. Chim., 2017, 62(12), 907-913

**Ligia TODAN, Mariana VOICESCU, Daniela C. CULITA, Cristina STAN and Virgil MARINESCU**

Performances of hybrid silica-rhodamine B composite particles in  $\text{Cu}^{+2}$  detection

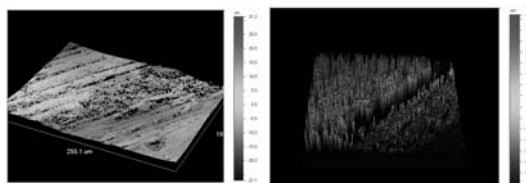


**Key words:** silica microparticles, sol-gel, copper detection, rhodamine B, fluorescent properties.

*Rev. Roum. Chim.*, 2017, 62(12), 915-922

**Florina BRANZOI, Mihai IORDOC and Viorel BRANZOI**

Evaluation of corrosion behaviour and surface characterization for some biomedical materials



**Key words:** zirconium alloy, corrosion, plasma electrolytic oxidation, biomaterial.

*Rev. Roum. Chim.*, 2017, 62(12), 923-931

**Mounir ZIATI and Sabir HAZOURLI**

Removal of chemical oxygen demand from pharmaceutical wastewater by adsorption on anthracite. Adsorption isotherms and thermodynamics

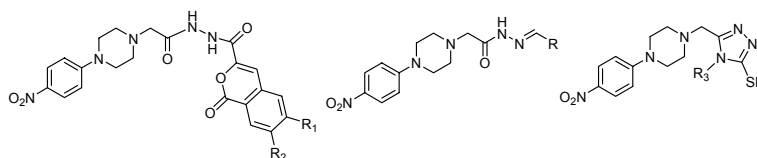


**Key words:** adsorption, anthracite, chemical oxygen demand, pharmaceutical wastewater, pollution.

*Rev. Roum. Chim.*, 2017, 62(12), 933-940

**Fatih YILMAZ and Meltem MENTEŞE**

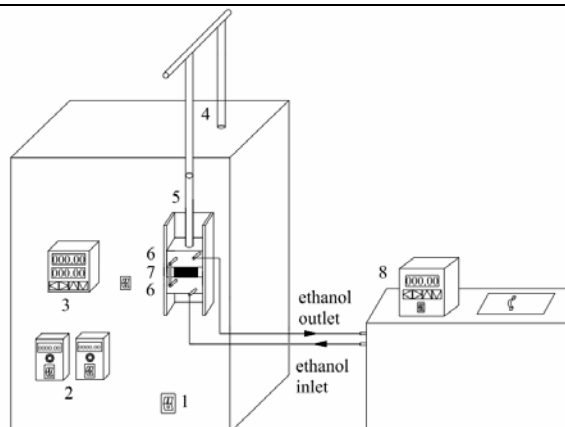
Design and synthesis of some piperazine hybrid molecules



*Rev. Roum. Chim.*, 2017, 62(12), 941-946

**Kun ZHOU, Yueyong YAN, Lianying AN, Ke WANG and Tao WANG**

Numerical modeling for simulation and experimental investigation on purification process of TDI by zone melting



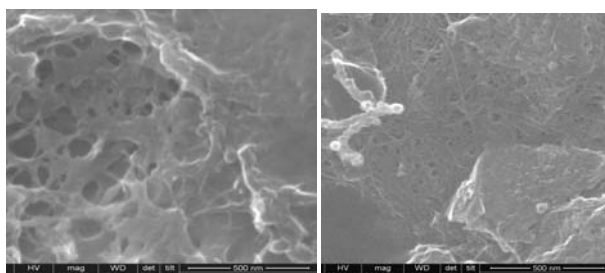
**Key words:** zone melting, 2, 6-toluene diisocyanate, raw material, impurity.

*Rev. Roum. Chim.*, 2017, 62(12), 947-955

---

**Florina BRANZOI, Zoia PAHOM and Viorel BRANZOI**

The electrochemical behaviour of some composite coatings with different additives obtained by electrodeposition on metallic substrate



*Rev. Roum. Chim.*, **2017**, 62(12), 957-971

**Key words:** nanocomposite films, carbon nanotubes, electropolymerization, cyclic voltammetry, scanning electron microscopy.

---

**Index of authors**

*Rev. Roum. Chim.*, **2017**, 62(12), 973-981

---

**Index of subjects**

*Rev. Roum. Chim.*, **2017**, 62(12), 983-986

---

