

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

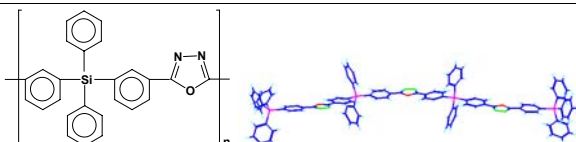
Tome 53, N° 5

Mai 2008

REVIEW

Maria BRUMĂ

Aromatic polyoxadiazoles with silicon
in the main chain



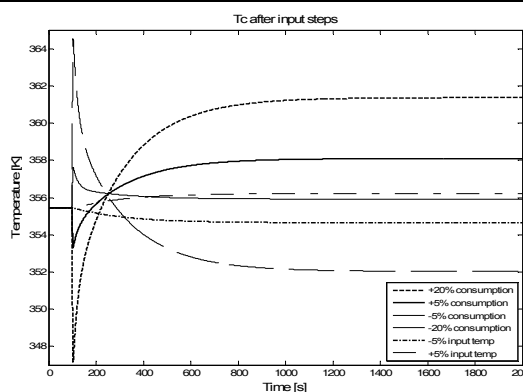
Rev. Roum. Chim., 2008, 53(5), 343-355

Key words: polyoxadiazoles, diphenylsilylene groups, high thermal stability, thin films, blue photoluminescence.

PAPERS

Elisabeta-Cristina ANI and
Paul Șerban AGACHI

Prediction of the behaviour of a hydrogen-oxygen
PEM fuel cell based on a simplified model

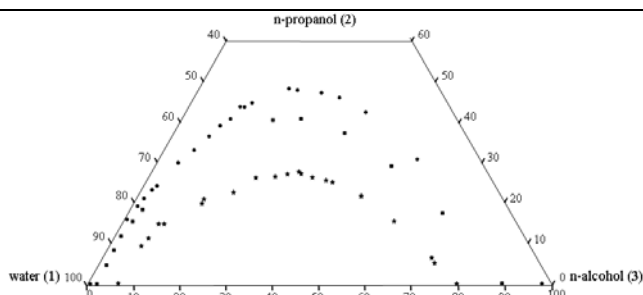


Rev. Roum. Chim., 2008, 53(5), 357-362

Key words: fuel cells behaviour, hydrogen-oxygen PEM fuel cells, fuel cells transient behaviour, fuel cells mathematical model.

Cristina STOICESCU, Olga IULIAN and
Florinela ȘIRBU

Equilibrium experimental data in ternary system
containing water + 1-propanol + 1-butanol,
1-pentanol or 1-hexanol



Rev. Roum. Chim., 2008, 53(5), 363-367

Key words: liquid-liquid equilibria, water + n-alcohol ternary systems, cloud-point method.

Iozsef JUHASZ, Ion CONSTANTIN,
Vasile HOTEA, Elena POP and
Mihaela PODARIU

Researches on the electrolyte purification and the
useful elements recovery in the copper electrolytic
refining process

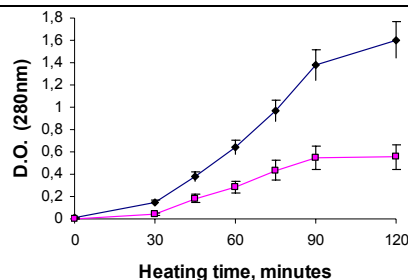


Rev. Roum. Chim., 2008, 53(5), 369-377

Key words: copper, stibium, arsenium, electrolytic refining.

Maria CIOROI

5-hydroxymethylfurfural – a possible indicator in the preservation abilities of the thermally processed food

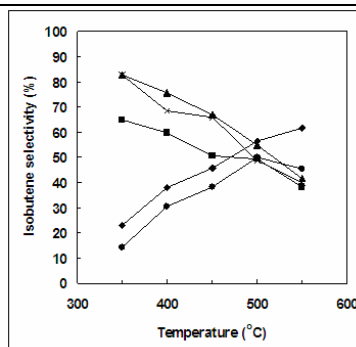


Rev. Roum. Chim., 2008, 53(5), 379-382

Key words: 5-hydroxymethylfurfural (5-HMF), glucose-lysine model system, Maillard reaction, HPLC method.

Gheorghita MITRAN, Ioan-Cezar MARCU, Adriana URDĂ and Ioan SÂNDULESCU

Oxidative dehydrogenation of isobutane over V-Mo-(Ni)-O catalysts

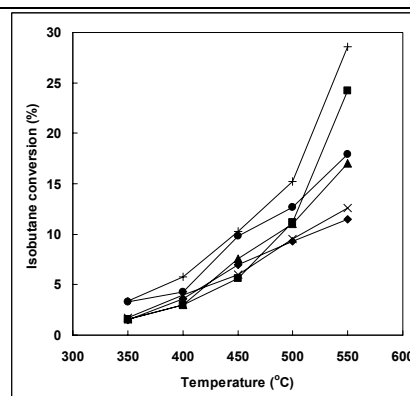


Rev. Roum. Chim., 2008, 53(5), 383-390

Key words: isobutane, oxidative dehydrogenation, isobutene, molybdenum-vanadium mixed oxides, nickel.

Gheorghita MITRAN, Ioan-Cezar MARCU, Mihaela FLOREA and Ioan SÂNDULESCU

Mo-V-M-O (M = Ni, Cu, Zn, Sb, Ta) mixed metal oxides prepared by solid-solid reactions for oxidative dehydrogenation of isobutane

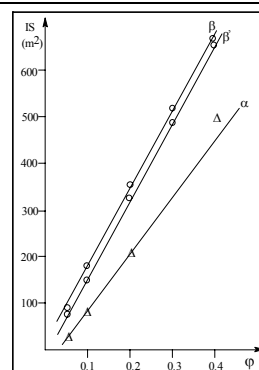


Rev. Roum. Chim., 2008, 53(5), 391-397

Key words: modified molybdenum-vanadium mixed oxides, isobutane, oxidative dehydrogenation.

Ștefan DIMA, Romică CREȚU and Traian FLOREA

Emulsification of vegetable oils with nonionic surfactants and polypeptides

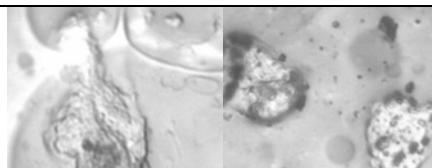


Rev. Roum. Chim., 2008, 53(5), 399-403

Key words: emulsification, surfactants, interfacial surface, emulsifying activity index.

**Rodica LIPSA, Nita TUDORACHI and
Cornelia VASILE**

Poly(vinyl alcohol)/poly(lactic acid) blends
biodegradable films doped with colloidal silver

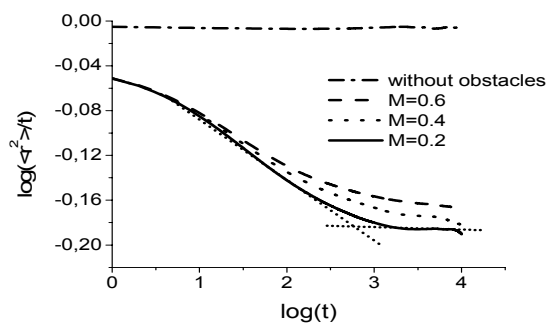


Rev. Roum. Chim., **2007**, 53(5), 405-413

Key words: poly(vinyl alcohol)/poly(lactic acid) blend, biodegradable films, colloidal silver nanoparticles.

**Adriana ISVORAN, Eudald VILASECA,
Laura UNIPAN, Josep-Lluís GARCÉS and
Francesc MAS**

Computational study of diffusion in cellular two-
dimensional crowded media modeled as mixtures
of mobile and immobile obstacles



Rev. Roum. Chim., **2007**, 53(5), 415-419

Key words: Monte Carlo algorithm, crowded media, anomalous diffusion.
