

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

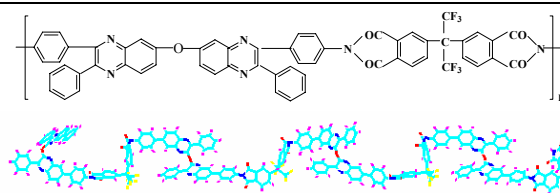
Tome 53, N° 1

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REVIEW

Maria BRUMĂ

Polyphenylquinoxalines containing hexafluoroisopropylidene groups



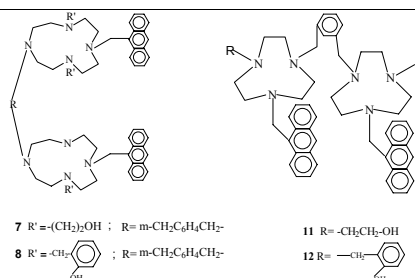
Key words: phenylquinoxaline rings, hexafluoroisopropylidene groups, thin films, high thermal stability, low dielectric constant.

Rev. Roum. Chim., 2008, 53(1), 5–13

PAPERS

Gabriela BLĂNIȚĂ, Monica BUCȘA,
Maria COROȘ and Mircea VLASSA

Synthesis of new functionalized macropolycyclic ligands based on triazacyclononane and tetraazacyclododecane



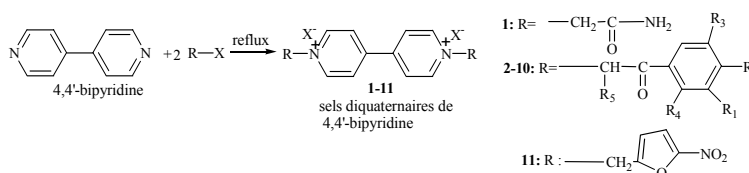
Key words: aza-crown ethers, macropolycyclic ligand.

Rev. Roum. Chim., 2008, 53(1), 15–19

Rodica DINICĂ, Bianca FURDUI,
Gabriela BAHRIM et Martine DEMEUNYNCK

Précurseurs de nouveaux hétérocycles d'intérêt biologique

New heterocycles precursors with biologic interest



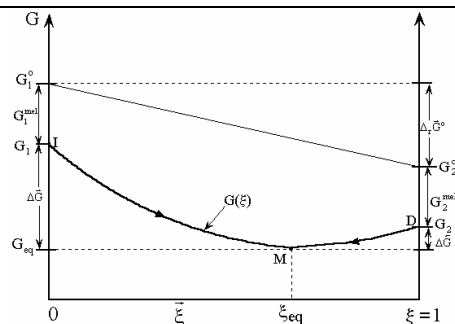
Key words: 4,4'-bipyridine, propriétés antimicrobiennes, microorganismes.

Rev. Roum. Chim., 2008, 53(1), 21–24

Gelu BOURCEANU, Jean François
LE MARÉCHAL Lavinia ONEL et
Militina BOURCEANU

Thermodynamique des réactions réversibles, réversibles et irréversibles

Thermodynamic of reversible, invertible and irreversible reactions

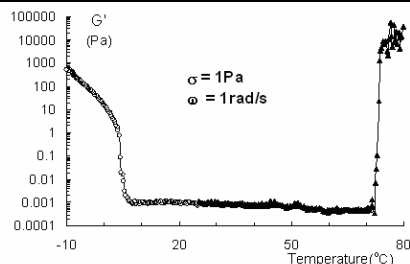


Key words: réversibilité, réversibilité, irréversibilité, énergie libre.

Rev. Roum. Chim., 2008, 53(1), 25–34

Cristina-Eliza BRUNCHI, Simona MORARIU and Maria BERCEA

Influence of temperature on dynamic behavior of polyacrylonitrile in dimethylformamide

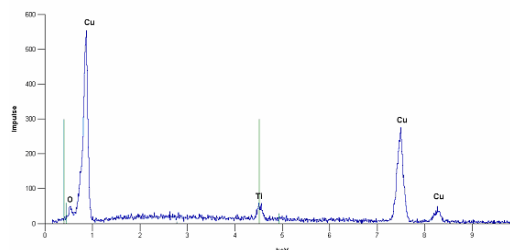


Rev. Roum. Chim., 2008, 53(1), 35–41

Key words: polyacrylonitrile, dynamic properties, gelation.

Cătălina ITICESCU, Geta CĂRĂC, Olga MITOȘERIU and Thomas LAMPKE

Electrochemical deposition of composite coatings in copper matrix with TiO_2 nanoparticles

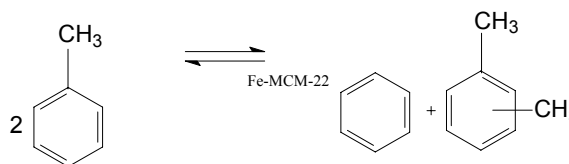


Rev. Roum. Chim., 2008, 53(1), 43–47

Key words: composite coatings, copper matrix, nano- TiO_2 particles, electrochemical codeposited, mechanism.

Ioana FECHETE, Eric GAUTRON, Emil DUMITRIU, Doina LUTIC, Philippe CAULLET and Henri KESSLER

Studies on the acidity and the stability of Fe^{3+} ions in the framework of (Si, Fe)-MCM-22 zeolite. Selective *para*-xylene production by toluene disproportionation

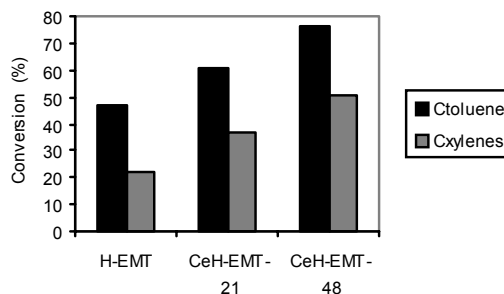


Rev. Roum. Chim., 2008, 53(1), 49–54

Key words: (Si,Fe)-MCM-22 zeolite; isomorphous substitution; toluene disproportionation; *p*-xylene.

Ioana FECHETE, Angélique SIMON-MASSERON, Emil DUMITRIU, Doina LUTIC, Philippe CAULLET and Henri KESSLER

The role of acidity of CeH-EMT-type zeolite for catalyzing toluene alkylation with methanol to xylenes



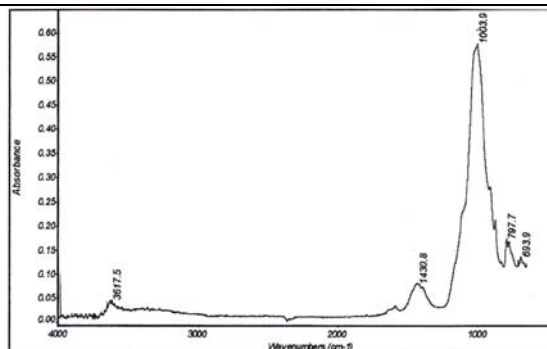
Rev. Roum. Chim., 2008, 53(1), 55–61

Key words: CeH-EMT-type zeolite; acidity; xylenes.

Mihaela MANEA, Gheorghe BREBEANU et Lazar AVRAM

Étude relative à l'utilisation de minéraux argileux pour la separation des composés asphaltiques du pétrole

Study relative to the use of clay minerals for the separation of asphaltic compounds from crude oil



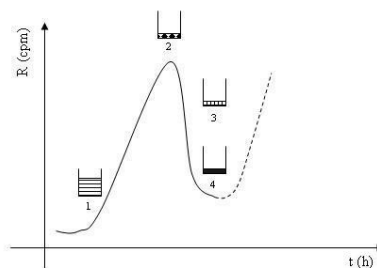
Rev. Roum. Chim., 2008, 53(1), 63–72

Key words: minéraux argileux, resins, résidus pétroliers, SAAF, FTIR.

NOTE

**Alexandru CECAL, Anca Irena BALAN,
Nicoleta MELNICIUC-PUICA and
Karin POPA**

Radiochemical method based on the backscattered β -rays for the study of nucleation process



Rev. Roum. Chim., 2008, 53(1), 73–77

Key words: β -rays backscattering, crystal growth, double sulfates, nucleation process, oxalates.
