

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

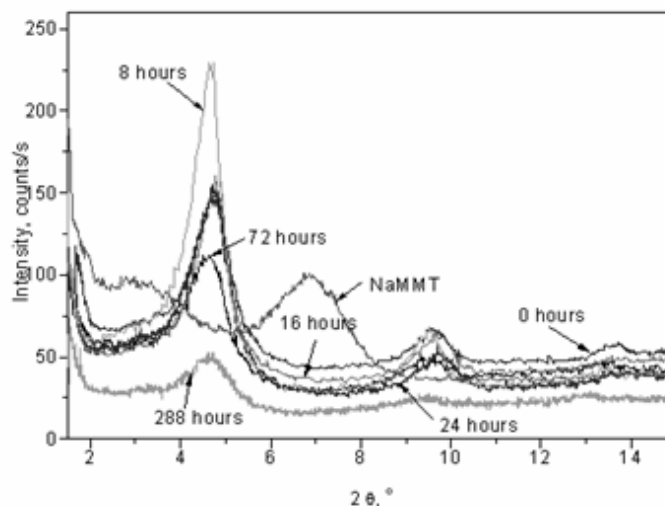
Tome 56, N° 7

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PAPERS

**Doina DIMONIE, Constantin RADOVICI,
Inna TRANDAFIR, Simona Florentina POP,
Irina DUMITRIU, Radu FIERASCU,
Luiza JECU, Celina PETREA,
Catalin ZAHARIA and Ramona COȘEREA**

Some aspects concerning the silicate delamination for obtaining polymeric bio-hybrids based on starch

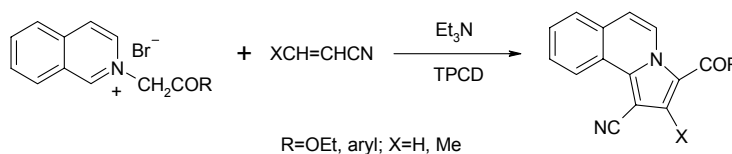


Key words: bio-hybrids, nanocomposites, starch, polyvinyl alcohol, multilayered silicate, plasticizer, melt processing.

Rev. Roum. Chim., 2011, 56(7), 685-690

**Emilian GEORGESCU,
Denisa DUMITRESCU,
Florentina GEORGESCU,
Constantin DRAGHICI and
Florea DUMITRASCU**

Pyrrolo[2,1-*a*]isoquinoline derivatives via 1,3-dipolar cycloaddition of isoquinolinium *N*-ylides (II)

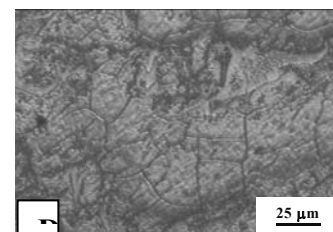
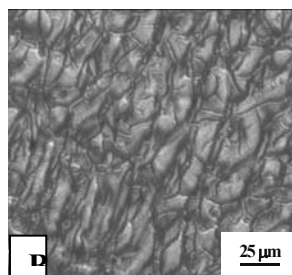


Key words: isoquinolinium *N*-ylides, acrylonitrile, crotononitrile, TPCD:Py₄Co(HCrO₄)₂, pyrrolo[2,1-*a*]isoquinoline.

Rev. Roum. Chim., 2011, 56(7), 691-695

**Daniel MARECI, Manuela ROMĂȘ,
Adrian CĂILEAN and Daniel SUTIMAN**

Electrochemical studies of cobalt-chromium-molybdenum alloys in artificial saliva

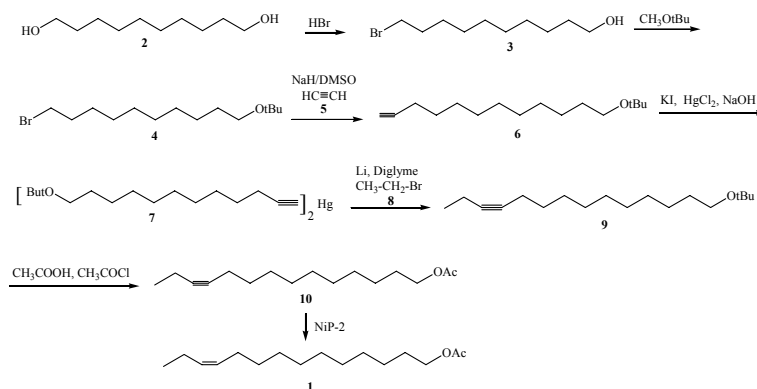


Key words: CoCrMo alloys, open circuit potential, potentiodynamic polarisation curves, EIS, optical microscopy.

Rev. Roum. Chim., 2011, 56(7), 697-704

**Lucia GÂNSCĂ, Adriana ANDREICA,
Irina CIOTLĂUȘ, Sanda MAXIM and
Ioan OPREAN**

Exo- and endohormones. XXIV. A convenient synthesis of (*Z*)-11-tetradecen-1-yl acetate, component of *Lepidoptera* insect sex pheromone

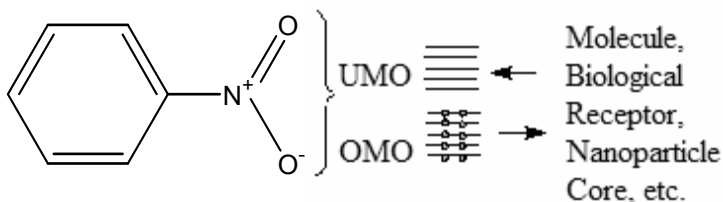


Key words: (*Z*)-11-tetradecene-1-yl acetate, synthesis, sex pheromone, Lepidoptera.

Rev. Roum. Chim., 2011, 56(7), 705-709

**Emilia AMZOIU, Paul Gabriel ANOAIKA
and Costinel I. LEPĂDATU**

QSAR study of toxicity of aromatic nitroderivatives using the electronegativity of OMO/UMO states as fingerprint descriptors

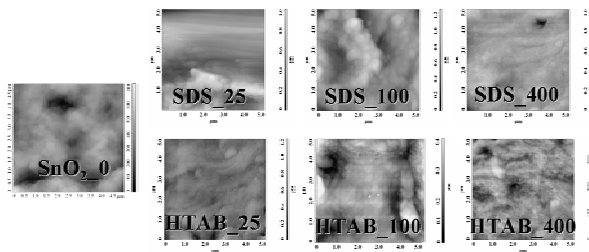


Key words: aromatic nitroderivatives, toxic activity, electronegativity descriptor.

Rev. Roum. Chim., 2011, 56(7), 711-716

**Mihaela DUDIȚĂ, Cristina BOGATU,
Alexandru ENEȘCA and Anca DUȚĂ**

Thin films of SnO_2 obtained electrochemically from surfactants containing electrolytes

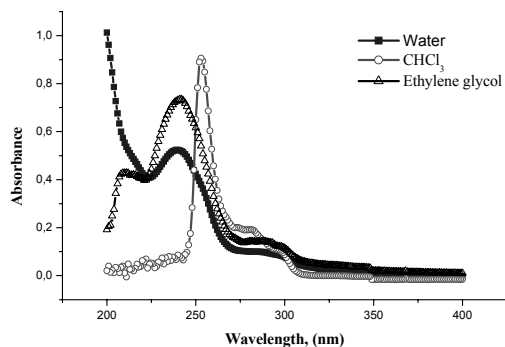


Rev. Roum. Chim., 2011, 56(7), 717-723

Key words: tin oxide, surfactant, anodic oxidation, morphology.

**Cornelia ILIE, Stela IANCU,
Monica DULDNER and Dan F. ANGHEL**

Water-dispersible, biodegradable copolyesters from PET wastes. I. Investigation of hydrophilic character

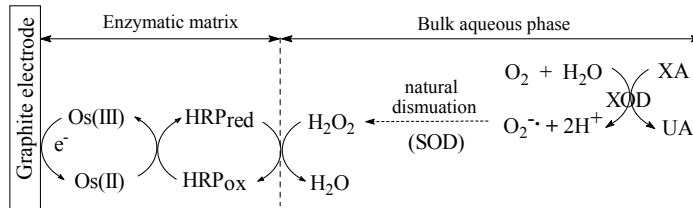


Key words: PET waste, chemical recycling, aliphatic-aromatic copolyesters, water dispersible, biodegradable copolyesters.

Rev. Roum. Chim., 2011, 56(7), 725-734

Lidia VARVARI, Vasilica LATEȘ and Ionel Cătălin POPESCU

Determination of antioxidant capacity using xanthine-xanthine oxidase system coupled with H_2O_2 amperometric biosensor

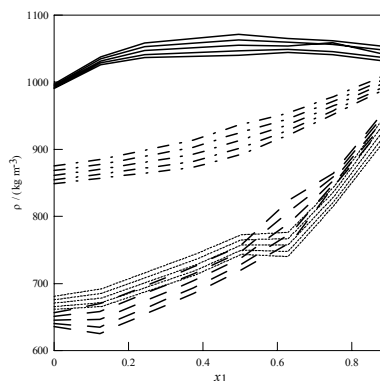


Key words: antioxidant capacity, hydrogen peroxide, xanthine oxidase, superoxide dismutase, ascorbic acid.

Rev. Roum. Chim., 2011, 56(7), 735-742

Georgiana BOLAT, Daniel SUTIMAN and Gabriela LISA

Excess molar volumes of binary mixtures (acetic acid + water, benzene, *N*-hexane and *N*-heptane) at several temperatures

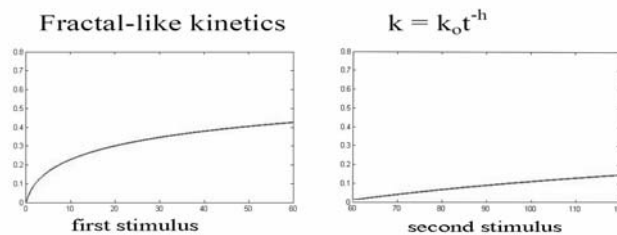


Key words: density, binary mixtures, acetic acid, molecular interactions.

Rev. Roum. Chim., 2011, 56(7), 743-749

Cătălin VASILESCU, Mircea OLTEANU and Paul FLONDOR

Description of the preconditioning effect in biology by means of fractal-like enzyme kinetics of intracellular reactions



Key words: fractal-like kinetics, preconditioning, endotoxin tolerance.

Rev. Roum. Chim., 2011, 56(7), 751-757

