

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

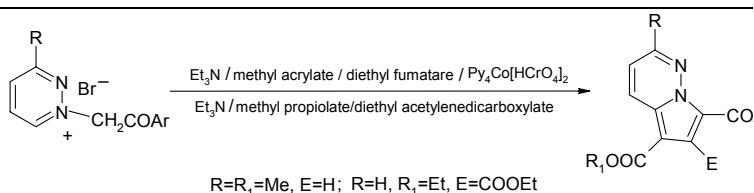
Tome 53, N° 7

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PAPERS

Florea DUMITRAȘCU,
Constantin DRĂGHICI, Barbu MIU,
Dan G. DUMITRESCU and Marcel POPA

Symmetrical and non-symmetrical olefinic and acetylenic dipolarophiles in the synthesis of pyrrolo[1,2-b]pyridazine derivatives

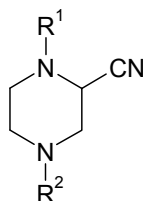


Key words: pyrrolo[1,2-b]pyridazine, 1,3-dipolar cycloaddition, pyridazinium *N*-ylides, tetrakis-pyridine cobalt (II) dichromate.

Rev. Roum. Chim., 2008, 53(7), 509-514

Horia PETRIDE, Constantin DRĂGHICI,
Cristina FLOREA and Maria MAGANU

Some *N*-mono- and *N, N'*-disubstituted derivatives of 2-piperazinecarbonitrile



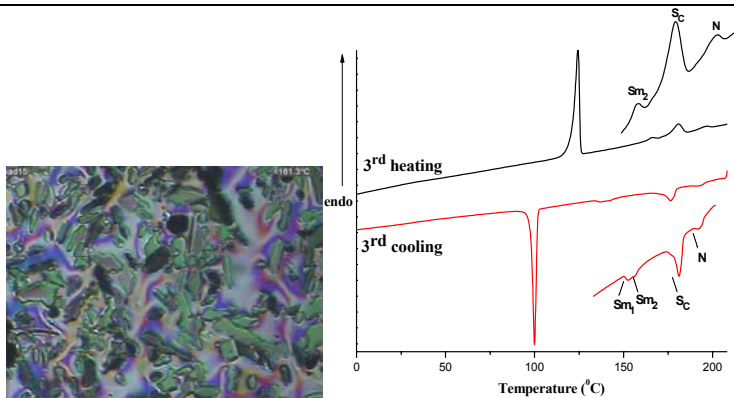
R¹, R² = H, benzyl, benzoyl

Key words: piperazines, conformation, NMR spectroscopy.

Rev. Roum. Chim., 2008, 53(7), 515-526

Daniela APREUTESEI and Georg H. MEHL

Bent-core systems based on [1,3,4]oxadiazole core with shape biaxiality



Key words: [1,3,4]oxadiazole derivatives, bent-core mesogenic systems, mesomorphic properties.

Rev. Roum. Chim., 2008, 53(7), 527-533

Niculae I. IONESCU

Kinetics of adsorption and desorption in solid-gas systems and the logarithmic rate law

$$\frac{dq}{dt} = Np$$

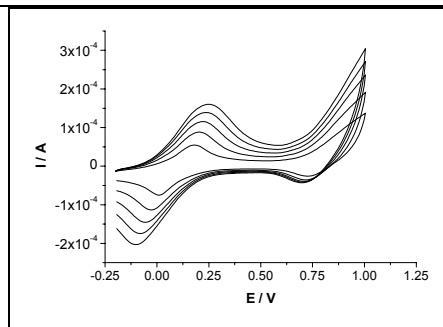
$$-\frac{dq}{dp} = \frac{k}{p}$$

Rev. Roum. Chim., 2008, 53(7), 535-537

Key words: adsorption, desorption, logarithmic law.

Stelian LUPU, Cecilia LETE, Mariana MARIN and Nicolae TOTIR

Electrochemistry of metal hexacyanoferrates and conducting polymers bilayer structures deposited on conventional size electrodes and ultramicroelectrodes. I. Conventional size modified electrodes

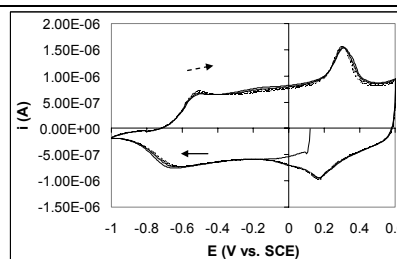


Key words: hybrid inorganic-organic coatings, modified electrodes, conducting polymers, polythiophene derivative, polyazulene, Prussian Blue, cyclic voltammetry.

Rev. Roum. Chim., **2008**, 53(7), 539-546

Stelian LUPU, Cecilia LETE, Mariana MARIN and Nicolae TOTIR

Electrochemistry of metal hexacyanoferrates and conducting polymers bilayer structures deposited on conventional size electrodes and ultramicroelectrodes. II. Modified ultramicroelectrodes

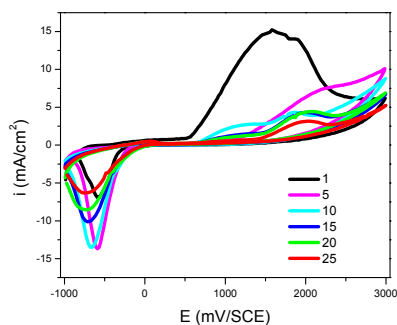


Key words: hybrid inorganic-organic coatings, modified ultramicroelectrodes, conducting polymer, Prussian Blue, cyclic voltammetry.

Rev. Roum. Chim., **2008**, 53(7), 547-552

Viorel BRÂNZOI, Florentina GOLGOVICI and Florina BRÂNZOI

Electronically conductive polymers type polypyrrole and polyaniline obtained by electropolymerization onto aluminium substrate

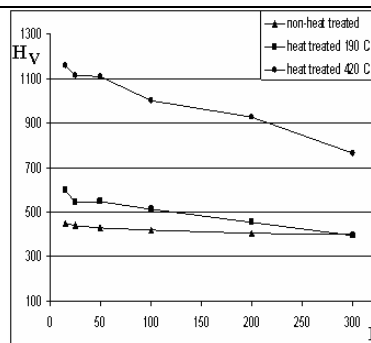


Key words: polypyrrole and polyaniline films, electropolymerization, cyclic voltammetry and electrochemical impedance spectroscopy method.

Rev. Roum. Chim., **2008**, 53(7), 553-561

Minodora PASĂRE, Mircea Ionuț PETRESCU and Marioara ABRUDEANU

Heat treatment and P effect on Ni-P/SiC coatings hardness



Key words: electrolytic co-deposition, solid state solubility extension, microhardness, ISE effect.

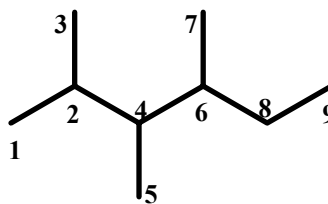
Rev. Roum. Chim., **2008**, 53(7), 563-567

**Mohamed NOHAIR et
Mohssine El MORRAKCHI**

Optimisation d'un modèle de réseau de neurones robuste à partir de la régularisation Bayésienne et la méthode d'autocorrélation pour la prédiction de la température d'ébullition des alcanes

A quantitative structure-activity relationships model for the boiling point of alkanes using Bayesian-regularized neural networks

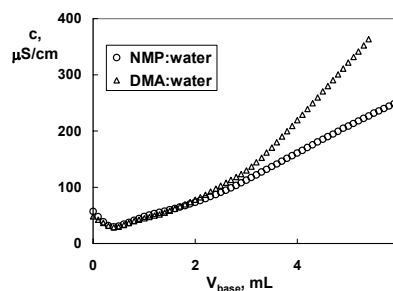
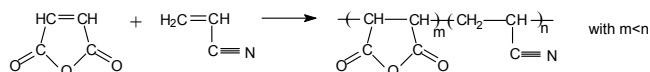
Rev. Roum. Chim., 2008, 53(7), 569-576



Key words: réseaux de neurones, régularisation bayésienne, méthode d'autocorrélation, alcanes, technique de validation croisée.

**Gabrielle Charlotte CHIȚANU,
Irina POPESCU, Irina Mihaela PELIN and
Mihaela Iuliana AVADANEI**

Synthesis and characterization of maleic anhydride copolymers and their derivatives. 4. Synthesis and characterization of maleic anhydride-acrylonitrile copolymers



Rev. Roum. Chim., 2008, 53(7), 579-583

Key words: maleic anhydride-acrylonitrile copolymers, radical copolymerization, copolymer composition.

