

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

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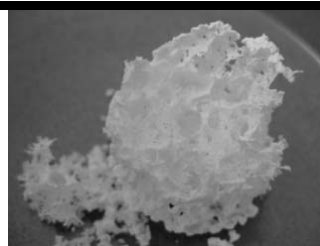
Niculae I. IONESCU *PhD* 85th anniversary
List of publications

Rev. Roum. Chim., 2018, 63(9), 769-794

REVIEW

Oana CARP

Carbohydrate based combustion synthesis:
a promise of greening materials synthesis



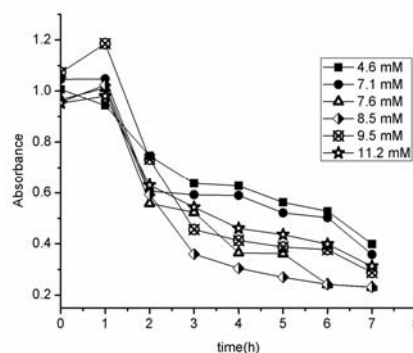
Rev. Roum. Chim., 2018, 63(9), 795-802

Key words: combustion synthesis, carbohydrate, metal oxide.

PAPERS

Sorina PÎRLEA, Adina RĂDUCAN,
Mihaela PUIU and DUMITRU OANCEA

Kinetic insights into mild oxidation
of phthalocyanine dyes: potential application
in forensic analysis

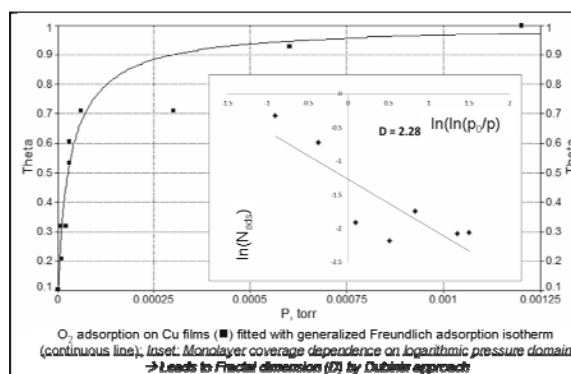


Rev. Roum. Chim., 2018, 63(9), 803-809

Key words: phthalocyanine, degradation, kinetic analysis.

Gianina DOBRESCU, Mihai ANASTASESCU
and Vlad T. POPA

O₂ adsorption on non-uniform fractal surfaces
of copper films

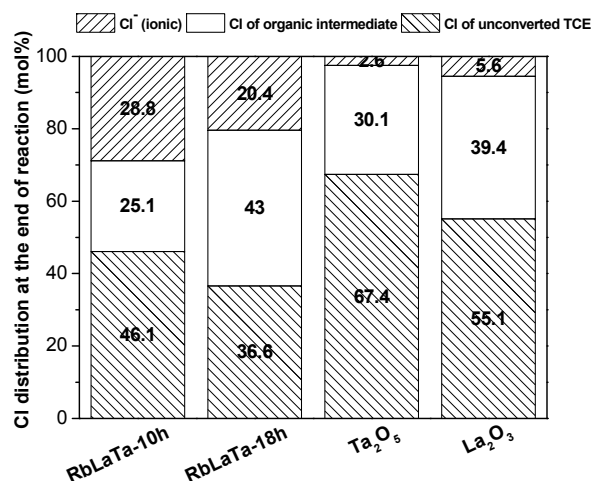


Rev. Roum. Chim., 2018, 63(9), 811-820

Key words: copper films, oxygen adsorption, work function, adsorption isotherms, fractal dimension.

Monica RACIULETE, Florica PAPA, Daniela C. CULITA, Cornel MUNTEANU, Irina ATKINSON, Veronica BRATAN, Jeanina PANDELE-CUSU, Razvan STATE and Ioan BALINT

Impact of $\text{RbLaTa}_2\text{O}_7$ layered perovskite synthesis conditions on their activity for photocatalytic abatement of trichloroethylene

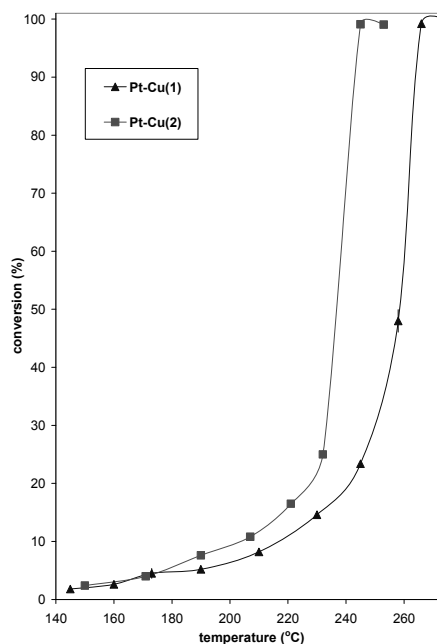


Rev. Roum. Chim., 2018, 63(9), 821-828

Key words: Layered perovskite, solid state reaction, trichloroethylene abatement, solar simulated light.

Daniela NEGOESCU, Anca VASILE, Veronica BRATAN, Cristian HORNOIU, Cornel MUNTEANU, Mariana SCURTU, Mircea TEODORESCU, Irina ATKINSON, Florica PAPA and Ioan BALINT

Thermosensitive triblock copolymer templated synthesis of Pt-Cu supported on TiO_2 : investigation of their catalytic activity for CO oxidation reaction

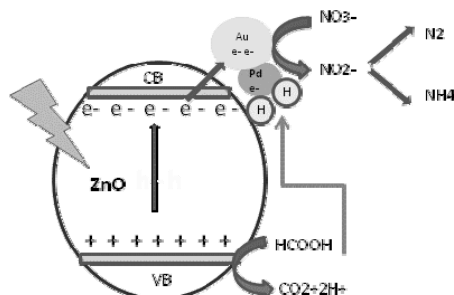


Rev. Roum. Chim., 2018, 63(9), 829-835

Key words: Pt-Cu/ TiO_2 , Pt nanoparticles, thermosensitive polymer, CO oxidation.

Mariana CHELU, Razvan STATE, Cornel MUNTEANU, Irina ATKINSON, Adriana RUSU, Veronica BRATAN, Adina MUSUC, Ioan BALINT and Florica PAPA

Enhanced photocatalytic activity of ZnO nanoparticles obtained by “green” synthesis with well dispersed Pd-Au bimetallic nanoparticles

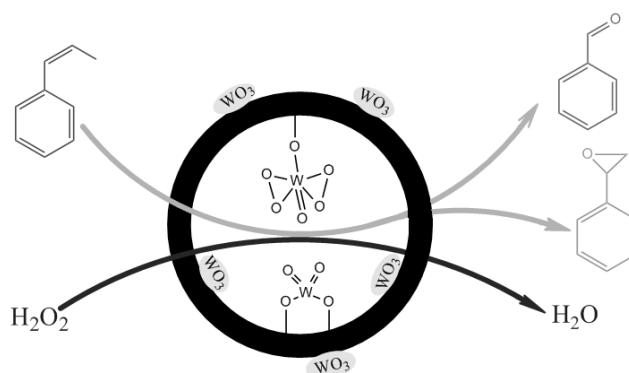


Rev. Roum. Chim., 2018, 63(9), 837-845

Key words: ZnO nanoparticles, Bimetallic Pd-Au nanoparticles, Green method, Photocatalytic nitrate reduction.

Viorica PARVULESCU, Madalina CIOBANU, Gabriela PETCU, Elena Maria ANGHEL and Bao-Lian SU

Tungsten-modified HMS catalysts for high selective oxidation of styrene with aqueous hydrogen peroxide

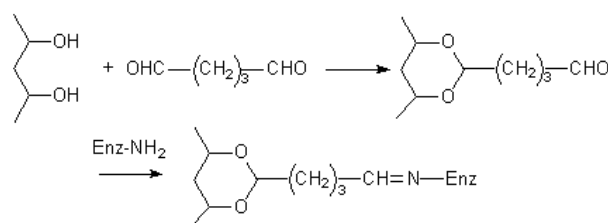


Rev. Roum. Chim., 2018, 63(9), 847-853

Key words: W-HMS, microwave method, styrene oxidation, H₂O₂, synthesis variables.

Dorina-Rodica CHAMBRE, Simona GAVRILAS, Michaela Dina STANESCU and Crisan POPESCU

Thermal analysis for depiction of a laccase-PVA biocomposite

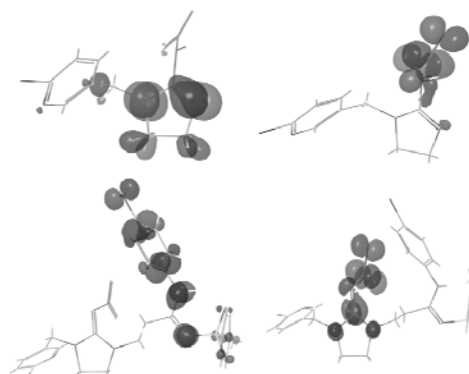


Rev. Roum. Chim., 2018, 63(9), 855-860

Key words: laccase-biocomposite, functionalized cryogel PVA, thermal decomposition.

Alina BORA, Sorin AVRAM, Simona FUNAR-TIMOFEI and Liliana HALIP

Computational electronic profile of the insecticide imidacloprid and analogues



Rev. Roum. Chim., 2018, 63(9), 861-867

Key words: neonicotinoid, imidacloprid, sulfoxaflor, insecticidal activity, DFT, ADME.

