

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

Tome 63, N° 4

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PAPERS

Zakiyeh BAYAT

Theoretical study on ^1H , ^{13}C NMR shielding, vibrational assignment of three diamondoids (adamantane, diamantane, triamantane)

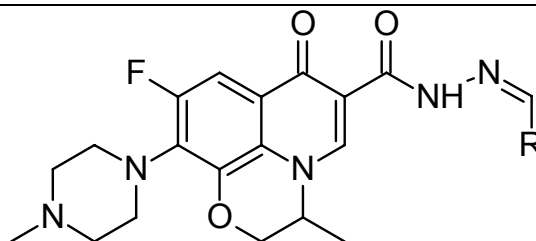


Key words: ^1H , ^{13}C NMR shielding, vibrational assignment, physical properties, adamantane, diamantane, triamantane.

Rev. Roum. Chim., 2018, 63(4), 261-264

Yasemin DÜNDAR, Mahmut ÜLGER,
Fatma KAYNAK ONURDAĞ, Suzan ÖKTEN
and Tijen ÖNKOL

Synthesis and antitubercular activity of ofloxacin derivatives

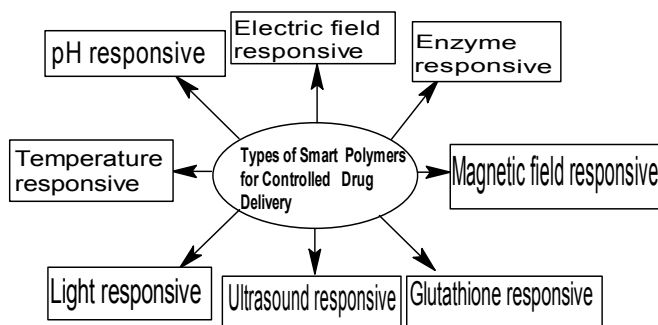


Key words: ofloxacin, hydrazone derivatives, antitubercular activity.

Rev. Roum. Chim., 2018, 63(4), 265-272

Amrita SHARMA and Poorn Prakash PANDE

Smart polymers for drug delivery system:
an overview

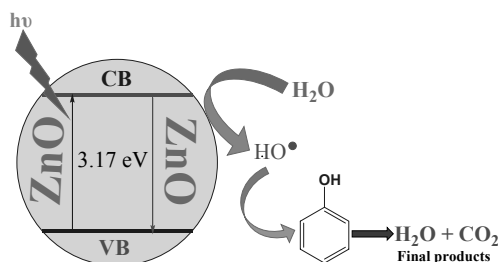


Key words: stimuli responsive polymers, controlled drug delivery system, cancer treatment, smart polymers.

Rev. Roum. Chim., 2018, 63(4), 273-285

Ahmed A. Abd Elraady, Gaber H. G. Ahmed
and Fawzy H. Assaf

Synthesis and characterization of ZnO nanoparticles for photocatalytic removal of phenol from water

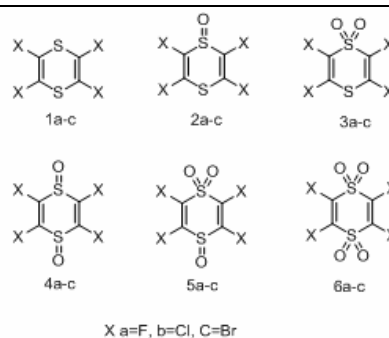


Key words: nanoparticles, phenol, photocatalysis, zinc oxide.

Rev. Roum. Chim., 2018, 63(4), 287-292

Radwan A. ALNAJJAR, Sahar ABDALLA and Yunusa UMAR

A DFT study of the effect of halogenation on the conformation of 1,4-dithiin and its S-oxide derivatives



Rev. Roum. Chim., 2018, 63(4), 293-298

Key words: DFT, tetrahalo-1,4-dithiin, molecular structure, conformational flexibility.

Shyam LAL, Mukesh Chandra JOSHI, Sunita HOODA and Vikrant KUMAR

Heteroleptic metal(II) complexes of curcumin and 2,2'-bipyridine: synthesis, characterization, molecular modeling and preliminary antimicrobial investigation

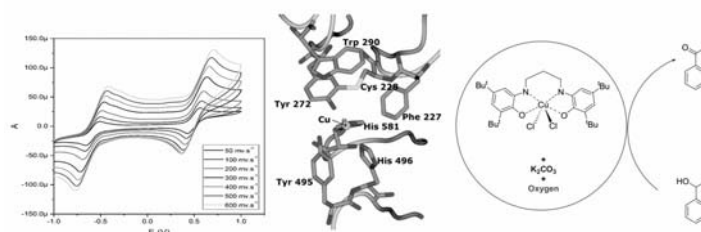


Rev. Roum. Chim., 2018, 63(4), 299-307

Key words: curcumin; 2,2'-bipyridine; metal complexes; molecular modeling; antimicrobial activity.

Hamid SHEYKHI, Moayad Hossaini SADR and Behzad SOLTANI

Synthesis and characterization of copper(II) complex of a new aminophenol ligand as a model for galactose oxidase metalloenzyme active site and its application in aerial alcohol oxidation

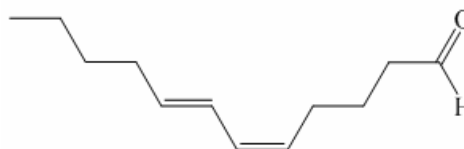


Rev. Roum. Chim., 2018, 63(4), 309-313

Key words: galactose oxidase, aminophenols, alcohol oxidation, non-innocent ligands.

Ştefania TÓTÓS, Iuliana VASIAN, Monica GORGAN, Róbert TÓTÓS and Claudia LAR

Efficient synthesis of (5Z,7E)-dodecadienal, the sex pheromone of the European pine moth *Dendrolimus pini*

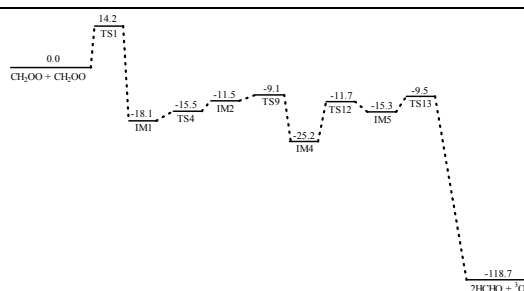


Rev. Roum. Chim., 2018, 63(4), 315-319

Key words: (5Z,7E)-dodecadienal, Pd-catalyst, Fe-catalyst, cross-coupling reaction, sex pheromone.

Wen-Mei Wei, Qia XU, Ren-Hui ZHENG and Yi-De QIN

Computational studies on the self-reaction mechanism of the simplest Criegee intermediate CH_2OO

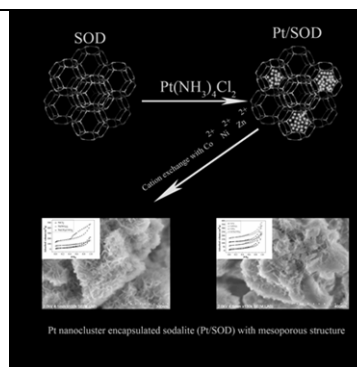


Rev. Roum. Chim., 2018, 63(4), 321-336

Key words: computational study, self-reaction mechanism, Criegee.

Da XUE, Fan LIU, Huan GAO, Lu YANG,
Yibo WU, Weijian XUE, Zhiping LV and
Fuxiang LI

The synthesis, characterization and catalytic performance of platinum encapsulated mesoporous sodalite material



Rev. Roum. Chim., 2018, 63(4), 337-346

Key words: mesoporous sodalite, Pt encapsulated, hydrogenation, ion exchange.

