

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

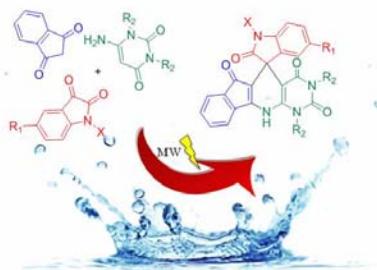
Tome 61, N° 2

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PAPERS

Ghodsi MOHAMMADI ZIARANI,
Zahra HASSANZADEH,
Parisa GHOLAMZADEH and
Ali ABOLHASSANI SOORKI

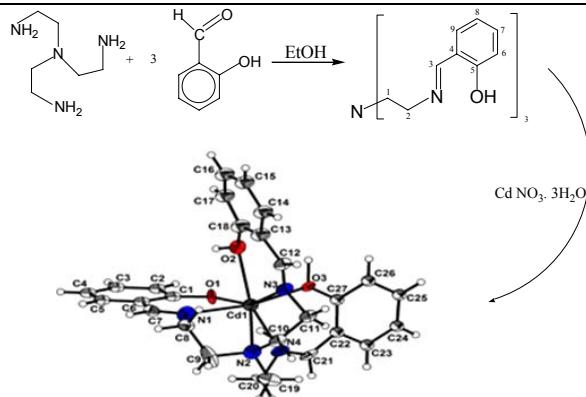
A rapid, green, and efficient microwave-assisted synthesis and antimicrobial evaluation of spiroindeno[1,2-b]pyrido[2,3-d]pyrimidine-5,3'-indoline derivatives



Rev. Roum. Chim., 2016, 61(2), 77-81

Roya RANJINEH KHOJASTEH and
Sara JALALI MATIN

Synthesis, characterization and crystal structure of Cd(II) complex with potentially heptadentate Schiff base ligand

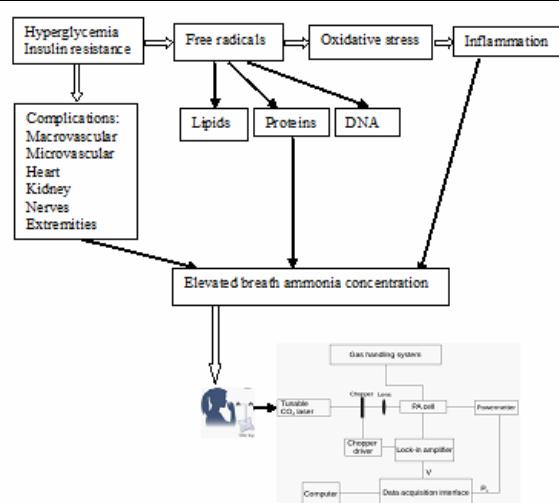


Rev. Roum. Chim., 2016, 61(2), 83-87

Mioara PETRUS, Ana M. BRATU and
Cristina POPA

The response of human body at oxidative stress in subjects with type 2 diabetes: ammonia breath analysis by laser photoacoustic spectroscopy

Key words: crystal structure, supramolecular structure, heptadentate ligand, cadmium (II) complex, tris(2-aminoethyl)amine.

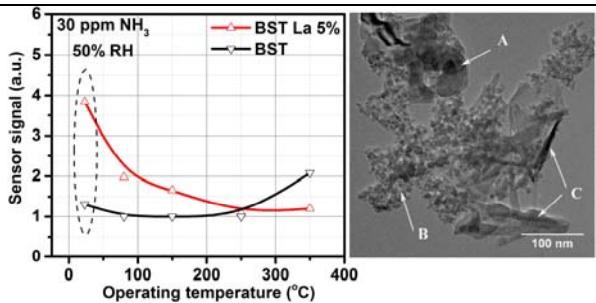


Rev. Roum. Chim., 2016, 61(2), 89-95

Key words: type 2 diabetes, breath ammonia, inflammatory syndrome, hypertension, CO₂ laser photoacoustic spectroscopy.

Cristian Eugen SIMION, Adelina STĂNOIU, Valentin Șerban TEODORESCU, Cristina Florentina RUȘTI, Roxana Mioara PITICESCU, Eugenia VASILE, Eugeniu VASILE and Ioan Albert TUDOR

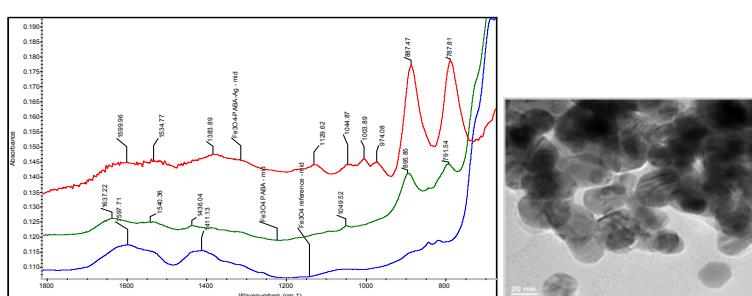
Ammonia sensing with 5 mol% lanthanum doped barium strontium titanate under humid air background



Key words: $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$, NH_3 sensing, room temperature, humid background, selective sensitivity.

Dan E. MIHAIESCU, Dragos GUDOVAN, Vanessa TRAISTARU, Paul IONESCU, Adrian FUDULU, Georgeta VOICU, Anton FICAI, Roxana TRUȘCĂ, Daniela ISTRATI, Anca MARTON, Sandra Alice BUTEICA, Bogdan VASILE and Ecaterina ANDRONESCU

Synthesis of silver secondary shell magnetic nanoparticles



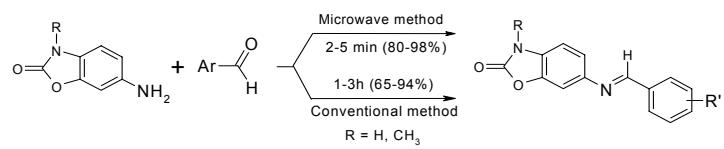
Rev. Roum. Chim., 2016, 61(2), 97-103

Key words: magnetic nanoparticles, multishell, coprecipitation.

Yasmina ADJEROUD, Hanane CHABANE and Messaoud LIACHA

Comparative study of conventional and microwave-assisted synthesis of novel 6-(arylideneamino)benzo[d]oxazol-2(3*H*)-ones with potential antibacterial activity

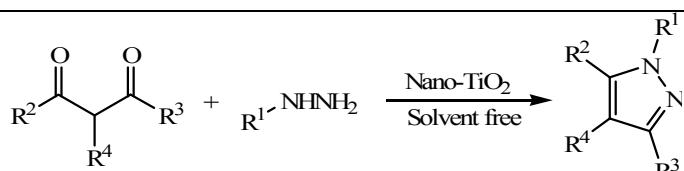
Rev. Roum. Chim., 2016, 61(2), 105-110



Key words: Schiff bases, 2(3*H*)-benzoxazolone, synthesis, conventional method, microwave irradiation.

Ali AKBARI, Bibi Fatemeh MIRJALILI and Nima TAGHAVINIA

Nano-TiO₂: an efficient and reusable catalyst for the synthesis of 1,3,5-substituted pyrazoles

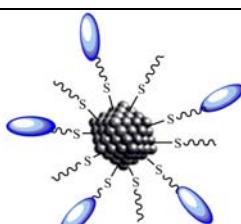


Key words: nano-TiO₂, 1,3,5-substituted pyrazoles, 1,3-diketone, hydrazine, reusable catalyst.

Rev. Roum. Chim., 2016, 61(2), 111-117

Liliana CSEH and Georg H. MEHL

Synthesis and characterization of gold nanoparticles functionalized with calamitic mesogens



Rev. Roum. Chim., 2016, 61(2), 119-123

Key words: gold nanoparticles, liquid crystals, mesogen, colloids.

D. Thorburn BURNS, Michael J. WALKER, Wolfgang BUCHBERGER and Paul J. WORSFOLD

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Rev. Roum. Chim., 2016, 61(2), 131-134

