Journal of the Indian Chemical Society

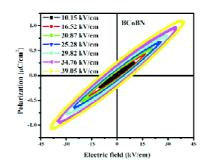
VOLUME 96 NUMBER 5 MAY 2019

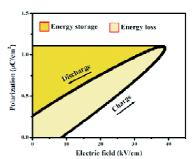
CONTENTS

Inorganic Chemistry

Hysteresis and energy storage properties study of $Ba_{0.5}Co_{0.5}Bi_2Nb_2O_9$ and $Ba_{0.5}Co_{0.5}Bi_2NbTaO_9$ nano ferroelectric ceramics prepared through chemical route: A comparative study

Mrinal K. Adak and Debasis Dhak pp. 563-568

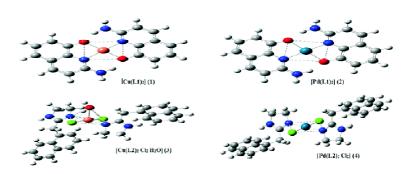




An analysis of spectroscopic signatures, DFT calculations and anti-bacterial activity of newly synthesized Cu(II) and Pd(II) complexes of 2-aminoquinolin-8-ol and 2-(naphthalen-1-ylmethyl)-4,5-dihydro-1*H*-imidazole

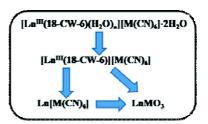
Krishna Murthy Potla, Sampath Chinnam, Poojith Nuthalapati, Usha Rani Nannapaneni, Suneetha Vankayalapati and Venkatasubba Naidu Nuthalapati

pp. 569-576



Thermal behavior and decomposition mechanism of a series of crown ether based lanthanide(III) hexacyanometallate(III) compounds

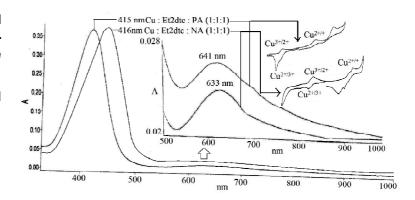
Rajesh Koner, Phalguni Misra and Shuvankar Mandal pp. 577-583



i

Cyclic voltammetric behavior of binary and mixed ligand copper complexes with picolinic acid, nicotinic acid and diethyldithiocarbamate in acetone medium

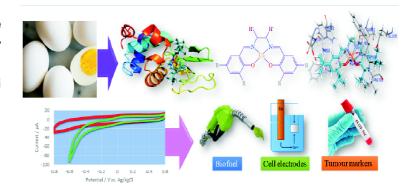
Ved Prakash, Krishna Srivastava and Jagdish Prasad pp. 585-591



Structural and physical properties of salen-type copper(II) complexes in lysozyme for oxygen reduction

Kumpei Kashiwagi, Sayantan Pradhan, Tomoyuki Haraguchi and Takashiro Akitsu

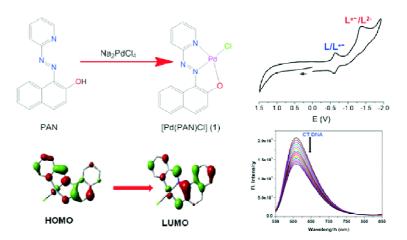
pp. 593-597



Palladium(II) complex with 1-(2-pyridylazo)-2naphthol (PAN): Synthesis, X-ray structure, electrochemistry, DFT computation and DNA binding study

Chandan Kumar Manna, Rahul Naskar and Tapan Kumar Mondal

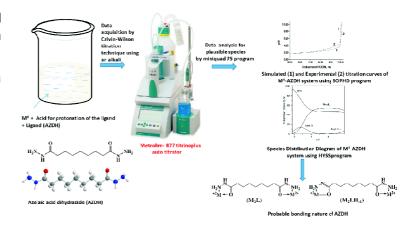
pp. 599-606



Physical Chemistry

Chemical speciation study of Ditopic Azelaic acid dihydrazide with Manganese(II) and Nickel(II) in aqueous medium

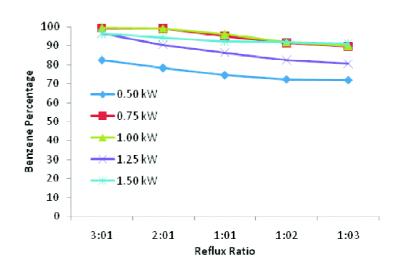
D. Nirmala Devi, P. Shyamala and A. Satyanarayana pp. 607-613



An experimental study of batch distillation of benzene-toluene binary mixture: Study of heat supply and reflux ratio effects on distillate

Mohammed K. Al Mesfer, Md Mamoon Rashid, Mudassir Hasan, Atef El Jery, Narendra Kumar, Mohd Danish and Y. M. Fahmy

pp. 615-621



Organic Chemistry

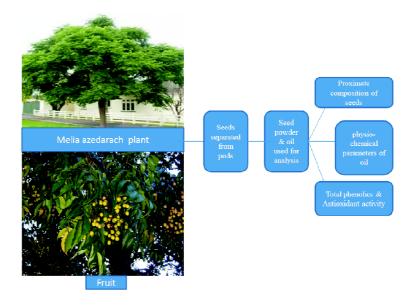
Synthesis, characterization and fungitoxicity of substituted benzimidazoles

Geetika Arora, Sunita Sharma and Jyoti Gaba pp. 623-627

Antioxidant potential and physiochemical properties of seed kernels and oil of *Melia azedarach* of two locations

Mukhan Wati and M. K. Deen

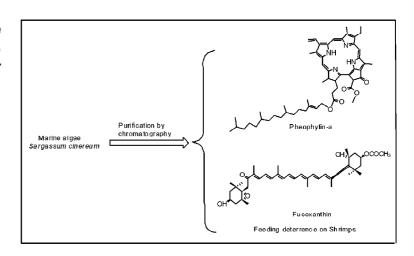
pp. 629-634



Fucoxanthin and pheophytin-a from the marine algae Sargassum cinereum: Isolation, characterization and their feeding deterrent activity on Shrimps

P. J. Praveen, Kushal Banerjee, Keisham S. Singh, Prabha Devi and P. S. Paramesawaran

pp. 635-639

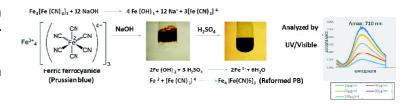


Analytical Chemistry

Method development and quantitative estimation of Prussain Blue in bulk drug and Radiogardase-Cs by UV spectroscopy

P. Mittal, P. Sharma, A. Goyal, D. P. Pathak, A. K. Singh and N. Sandal

pp. 641-646



Environmental Chemistry

Removal of hexavalent chromium from aqueous solutions using low cost adsorbents and ANN modeling for prediction

G.V.S.R. Pavan Kumar, M. Komal Avinash, Y. Bharath and K. Srinivasa Rao

pp. 647-654

