Journal of the Indian Chemical Society

VOLUME 96 NUMBER 6 JUNE 2019

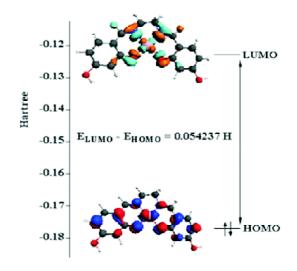
CONTENTS

Inorganic Chemistry

Theoretical study of structural, electronic and vibrational properties of a Ni-salen complex

Alireza Akbari

pp. 655-658

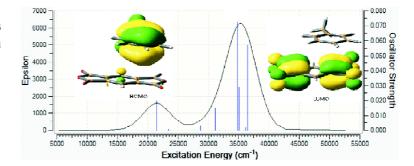


Physical Chemistry

Prediction of charge transfer transition energies of the molecular complexes of PMDA with a series of methylbenzenes by TDDFT

Amit S. Tiwary

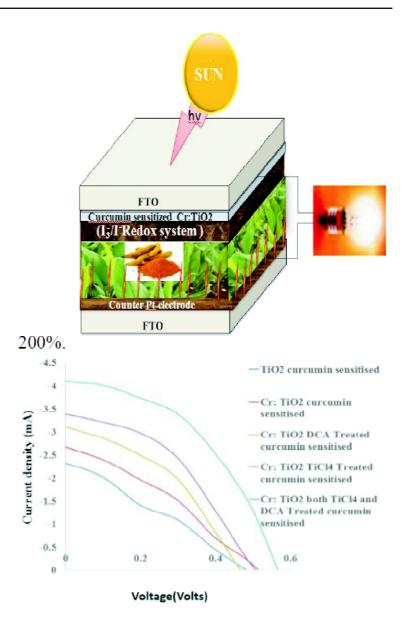
pp. 659-665



i

Chromium doping in titania for making dye-sensitized solar cell with improved efficiency and stability

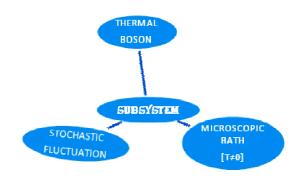
Narottam Prasad, K. R. Patel and M. S. Roy pp. 667-672



A time-dependent multi-reference unified cluster cumulant formulation to study the subdynamics of quantum system coupled both to thermal and stochastic bath

Seikh Hannan Mandal

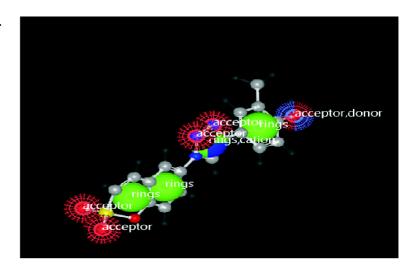
pp. 673-683



QSAR modeling and in silico designing of Tumor-Associated Carbonic Anhydrases XII inhibitors

Shalini Singh

pp. 685-691



Approach to zero band gap graphene sheets: A graph theoretical analysis

Bankim Chandra Ghosh

pp. 693-698

Organic Chemistry

Synthesis of 1-aminomethyl-3-[4'-(4"-fluoro-benzyloxy)-benzohydrazono]-5-ethylisatins as antifungal agents

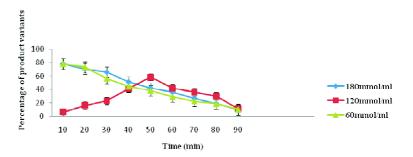
Nisheeth Rastogi

pp. 699-703

Isolation, characterization and improvement on a wild strain of *Corynebacterium glutamicum* for L-glutamic acid production

Subhadeep Ganguly

pp. 705-710

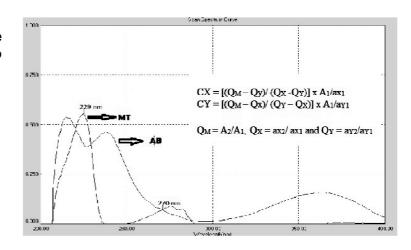


Analytical Chemistry

Simultaneous estimation of metoprolol tartrate and amlodipine besylate by absorbance ratio method

Kamal Shah and Pradeep Mishra

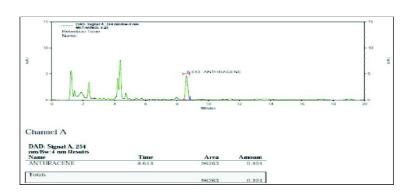
pp. 711-715



Investigation on the rate of horizontal spread of anthracene in a sandy clay soil

Mizanur Rahman, Jyoti Prakash Sarania and Prahash Chandra Sarma

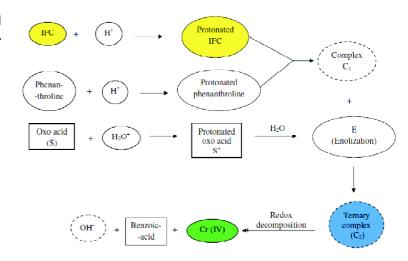
pp. 717-720



Mechanistic studies of oxidation of substituted oxo acids by IFC in the presence of 1,10-phenanthroline

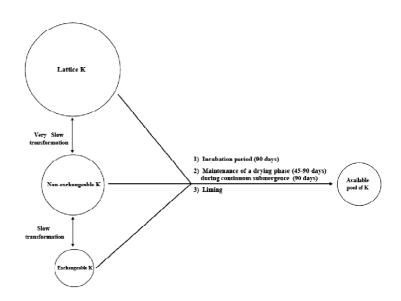
M. Vellaisamy and M. Sharmila

pp. 721-725



Influence of a drying phase on K-transformation in a continuously flooded limed and the corresponding unlimed soil

Tapa Debnath, Sayan Majumder and Dipankar Saha pp. 727-735



Coumarins from Myanmar edible fruit tree (Casimiroa edulis)

Khun Nay Win Tun, Nanik Siti Aminah, Alfinda Novi Kristanti, Rico Ramadhan, Yoshiaki Takaya and Hnin Thanda Aung

pp. 737-740