MALAYSIAN JOURNAL OF CHEMISTRY (MJChem)

Published by Institut Kimia Malaysia (Malaysian Institute of Chemistry): e-ISSN 2550-16580

Contents

Malaysian Journal of Chemistry Volume 21(3), 2019

Assessment of Nitro-Substituted Aminostilbene as Organic Sensitizer for Dye- Sensitized Solar Cell (DSSC) Application Wan M. Khairul, Rafizah Rahamathullah, Adibah Izzati Daud Muhamad Yuzaini Azrai Mat Yunin	1
Preparation of Epoxidized Palm Oil by using Performic Acid Nurazira Mohd Nor and Jumat Salimon	11
Copolymerization of Methacrylic Acid (MAA) and Butyl Acrylate (BuA) via Emulsion Polymerization Technique Noor Aniza Harun, Tan Yea Tzy, Liew Pei Chen, Anis Arina Zainuddin and Syara Kassim	20
9-Fluorenylmethoxycarbonyl Chloride (FMOC-Cl) as a Potential Precolumn Derivatization Reagent for the Analysis of PPCPs and EDCs using HPLC-DAD Kheng Soo Tay	29
Study of the Degradation of Carbofuran using Response Surface Methodology Jocephine Jonip, Lian Kuet Chai and Siong Fong Sim	35
Optimization Study on the Effects of Shear Rate and Concentration of Inhibitor on Wax and Asphaltene Deposition from Crude Oil using Copolymer and Aromatic Compounds S. M. Anisuzzaman, D. Krishnaiah, M. Rajin, S. Abang, N. M. Ismail and M. Madsah	43
Synthesis and Evaluation of Bis(2-Ethylhexyl) Phthalate-Imprinted Polymers in an Aqueous Medium Noor Fadilah Yusof, Faizatul Shimal Mehamod and Faiz Bukhari Mohd Suah	50
Roles of Structural Disorder and Surface State in Photoluminescence of BaTiO₃ Nanoparticles Nurul Norfarina Hasbullah, Soo Kien Chen, Kar Ban Tan, Zainal Abidin Talib and Oon Jew Lee	59

A Facile Synthesis of 2-Hydroxy-3-Phenylquinoline Derivatives	66
Nepolraj Amaladoss, Pitchai Pandian and Vijayarathinam Manickam	
Synthesis, Characterization and Determination of Mesophase Transition of Azo-azomethine Derivatives with Different Terminal Chain Lengths	73
Zuhair Jamain, Melati Khairuddean, Nurul Nabilah Zulbaharen and Tham Keen Chung	
Quantum Mechanical Studies on the π - π Stacking Interactions of Aniline and Water-assisted Aniline in Gas and Aqueous Phases	86
Shruti Sharma, Mahasweta Choudhury, Ibrahim Ali, Benzir Ahmed and Bipul Bezbaruah	
Synthesis, Characterization and Antimicrobial Investigation of Mixed Ligand Complexes of Cobalt(II) and Nickel(II) with P-Dimethylaminobenzaldehyde Thiosemicarbazone	100
Sonia Khanna, Pooja Singh, Harsimrut Kau and Antima Joon	
Role of Tartaric Acid on Structural, Morphological and Optical Properties of FeS _x O _y Films Formed by Chemical Bath Deposition Abdil Hassan Hidzi, Aizuddin Supee, Nur'ain Balqis Haladin, Mohd Zamri Mohd Yusop and Wan Nurulhuda Wan Shamsuri	110
Influence of Different Sulphate Salts as Anolytes Towards the Performance of Copper(II) Recovery by using an Electrogenerative Process Nurin Aiman Alya Basri and Faiz Bukhari Mohd Suah	117