

Giovanni García-Domínguez, Joan Reyes-Miranda, Antonieta García-Murillo, Aristeo Garrido-Hernández (pp.439-454)

Effect of Morphology on Luminescence and Antibacterial Activity of Europium Doped Hydroxyapatite Particles

Nigar E. Ahmadova, Afaq A. Abdullayeva, Gulnar T. Atakishiyeva, Irada J. Ahmadova, Shafiga A. Ibrahimova, Sevinc H. Mukhtarova, Khatira A. Garazade, Namiq Q. Shikhaliyev, Abel M. Maharramov (pp.455-467)

Synthesis of Bis-1,2,3-Triazole Derivatives based on Terephthalic Aldehyde and Study of their Biological Activity

Evelyn, Yusnimar, Komalasari, Sri Wahdini Rahmi, Azka Aman (pp.468-481)

Extraction and Composition Analysis of Essential Oil from Eucalyptus Hybrid (*Eucalyptus pellita* × *Eucalyptus grandis*) Leaves via Ultrasound-Assisted Distillation

Bich Ngoc Hoang, Ngan Tran Thi Hong, Tran Thien Hien, Minh Anh Hoang (pp.482-501)

Effect of Pomelo Peel Extract on the Formation of Iron Oxide by Green Synthesis and its Application to Remove Congo Red and Brilliant Green

Shafa K. Kazimzadeh, Nelya N. Novotorzhina, Ayaz M. Mammadov, Irada A. Rzayeva, Afsun R. Sujayev, Gariba A. Gahramanova, Ingilab P. Ismayilov, Shovgiya Y. Hamidova (pp.502-524)

Synthesis of New Sulfur-, Phosphorus-Containing Compounds as Additives to Transmission Oils and Diesel Fuels

Namiq Shikhaliyev, Reyhana Ganiyeva, Gulnaz Mirzayeva, Nigar Ahmedova, Nazrin Zeynalli, Teymur Ilyasli, Arzu Niftaliyeva, Khudaverdi Ganbarov, Gaoussou Binate, Samir Aliyev (pp.525-537)

The Synthesis and Study of Tris-(2,4-Bis(Trichloromethyl)) -1,3,5-Triazapentadienato Co(III) Complex through Hirshfeld Surface Analysis and Evaluation of its Antimicrobial Activity

Bo Meng, Haichao Li (pp.538-547)

Carbon Nano-Needles Preparation by using Surfactants as Carbon Source through In Situ Carbonization Method

Nancy Mweni Paul, Jackson Wachira Muthengia, Genson Murithi, Esther Wanja Nthiga, Joanne Ogunah (pp.548-569)

Physico-Chemical Impact on Setting Time, Normal Consistency and Water Sorptivity from Partial OPC Replacement with Stone-Cutting Dust, Limestone and Natural Pozzolana in Sustainable Blended Cements

Zahraa T. Abbas, Dhia A. Hassan, Li Chao, Xu Jian (pp.570-584)

High Efficiency Red-Emitting $\text{CaZrTiO}_3\text{:Eu}^{3+}$ Phosphors for WLEDs and Photocatalytic Activity for Methylene Blue and Crystal Violet Dyes Degradation

Gulnara Shakirzyanova, Lidiya Izotova, Alisher Eshimbetov, Omon Kholbekov, Bakhrom Babaev, Ulubek Togaev, Bakhtiyar Ibragimov (pp.585-600)

Synthesis and Structural Investigation of New Derivate of 5-Mercapto-3-Phenyl-1,3,4-Thiadiazol-2-Thione

M.A. Mehrabova, N.I. Huseynov, R.M. Sadigov, A.M. Nazarov, A.A. Abdullayeva, A.I. Kazimova (pp.601-610)

Effect of Gamma Irradiation on Electrical Properties of Thin Film Heterojunction Based on CdMnSe

Sajida Karim Hussein, Tahseen Saddam Fandi Al-Mathkuri (pp.611-628)

Eco-Friendly Iodine-Catalyzed Synthesis and Spectroscopic Characterization of Novel 1,4-Dihydropyridine Derivatives

Heba Salah, Jassim Abbas AL-Hilifi (pp.629-644)

Synthesis and Spectroscopic Characterization of La(III), Eu(III) and Ni(II) Complexes with Enamine Ligands Derived from 4,4,4-Trifluoro-1-(2-Furyl)-1,3-Butanedione

Adkham Khasanov, Aidar Kuttybayev, Najmiddin Boymurodov, Shakhriddin Turobov, Obid Khasanov, Alexey Nimchik, Yorkinoy Akhmadjonova, Asadjon Kambarov (pp.645-657)

Methods of Separation of Tungsten and Molybdenum in the Processing of Tungsten Waste