

Table of Contents

Phase Stabilization and Luminescence Quenching in Sol-Gel Synthesized Er-Doped AlO Nanopowder via Supercritical Drying M. Meddouri, D. Djouadi, A. Chelouche, O. Slimi, S. Ouhenia, A. Manseri and T. Touam	1
Hybrid Synthesis of Nano Zero-Valent Iron Using Sodium Borohydride and Palm Waste Extracts M.Z.M.Z. Tee, N.A.F. Azlan, N.F. Ismail, S.F.A. Halim, C.J.C. Derek and S.H. Chang	21
CTAB-Stabilized ZnO, CuO and NiO Nanostructure: Comparative Studies of their Physicochemical Properties for Potential Applications L. Obagboye, S.O. Aisida, O. Okike, E. Danladi, F. Ezema and C.B. Üstündağ	31
Quantitative Statistical and Strain Mapping Analysis of Grain Anisotropy in VO₂ Thin Films Grown by Rf-Biased Reactive Sputtering N.H. Azhan, N.A. Ramli, K. Okimura and A.M. Hashim	41
Synthesis, Characterization, and Thermal Analysis of Silver and Platinum Doped Zinc Oxide Nanoparticles by Eco-Friendly Dry Fine Grind H. Aldosari	51
Nanowires, Nanocubes, and Nanopolyhedral Morphologies of ZnO Thin Films: Effects of Substrates (Glass and Indium Tin Oxide) and Dopants (Al, Ag, and F) on Rhodamine B Degradation T. Mahdia, H. Djedjiga, K. Tawous, C. Fares, B. Asma, K. Ayouz, S. Hocine and B. Fayrouz	65
The Proton Conductivity and Mechanical Properties of SPEEK-Ce:Zr Nanocomposite Membrane M. Segale, R. Sigwadi, O.J. Fakayode, T. Seadira, B. Mothudi, M.K. Zamisa, T.S. Ntelane and T. Mokrani	83
Influence of Inclined Magnetic Field, Mass Diffusion and Thermal Radiation Factors on the Flow of Silver Nanoparticles in MHD Blood Inside a Wave Tube M.Q. Yu and H. Li	99