

Table of Contents

Porphyrin-Based Carbon Dots for Efficient Photocatalytic Reduction of CO₂ to Methanol Y.Q. Dang, X.Y. Feng, B.N. Li, R. Huang, J. Jia, J.L. Zhang and Y.T. Zhang	1
Crystal Facets Influence on Photocatalytic Properties of ZnO Nanomaterials M.R. Alenezi, A.M. Almeshal and A.N.F.N.R. Alkhaledi	15
Hydrothermally Synthesized Cu₂ZnSnS₄ Nanoparticles for Photocatalytic Degradation of Rhodamine B Dye S. Manjula, A. Sarathkumar and G. Sivakumar	25
Modulation Period Effect on the CrN/TiN Coating Properties N. Petkov, T. Bakalova, H. Bahchedzhiev, M. Krafka and L. Lemberk	37
The Impact of Mesoporous Silica Nanoparticles on Electrochemical Performance M. Segale, R. Sigwadi and T. Mokrani	49
Thermal and Surface Area Properties of Micro and Nano Sized Pumice A. Kılıçer	61
Bending Responses of Bi-Directional Advanced Composite Nanobeams Using Higher Order Nonlocal Strain Gradient Theory A. Belkacem, M. Ladmek, A.A. Daikh, A. Bessaim, M.S.A. Houari, M.O. Belarbi, T. Merzouki and A. Tounsi	77