

Table of Contents

Magnetic Properties of FeNi/RE Magnetic Nanomultilayer Films X.L. Zheng, P. Wang, M.T. Sun, X.N. Zhang, H.Y. Bai and H.Z. Li	1
Innovative Development and Characterization of Ni and Zn Co-Doped SnO₂ Thin Films via Dip-Coating for Cutting-Edge UV Photodetectors N. Djebbari, H. Farh, M. Khechba, Y.L. Dit Laksir and S. Mellal	9
Oxygen Effect on the Structural, Optical and Electrochemical Properties of Radio Frequency Sputtered SnO₂ Thin Films for Photocatalytic Degradation of Methylene Blue M. Ourbaa, S. Elmassi, H. Badr, A. Tchenka, J. Hanyny, A. El Kissani, L. El Gaini, N. S. Awwad, A. Narjis, L. Nkhaili and A. Outzourhit	27
Preparation of Iron-Doped Carbon Dots for Enhanced Photocatalytic Carbon Dioxide Reduction Y.Q. Dang, X.T. Gao, X.Y. Feng, B.N. Li, K.K. Li, J. Jia and Y.T. Zhang	45
Study of Electric Properties of rGO/Fe₃O₄ Nanocomposites and their Potential Applications as Counter Electrode of Dye-Sensitized Solar Cells A.P. Supriyono, N.M. Chusna, A. Hidayat and S. Sunaryono	59
Phase Change Microcapsules Shelled with Silica Functionalized with CNTs for Enhanced Thermal Conductivity and Solar Thermal Conversion J.L. Li, Z.W. Hou, H. Cheng, Y.P. Ma, A.H. He and H.R. Nie	75
Built-In n⁺pp⁺ Silicon Junction Photocathode with NiFe Layered Double Hydroxide for High-Performance Solar Hydrogen Production H.S. Li, Y.L. Pan, M.L. Jin, M. Li, H. Liao, G.F. Zhou, M.H. Ning and Z.H. Chen	89
Selective Intercalation of Keggin-Type Polyoxometalates into Layered Double Hydroxides S.S. Guo, C.J. Zhao, Z.H. Zhang, G.Q. Zhao, Y.J. Gu and X.P. Li	103