

Table of Contents

Investigation of Phosphorus In-Diffusion and Strain in GaAsP/GaAs Using High-Resolution Transmission Electron Microscopy

W. Chang 1

The Effect of Vapor Transport Annealing on FeSe Films Deposited on 2D Material

N. Fitriyah, T.H. Hong, H.T. Duy, J.W. Mi, Y.F. Hsiao and J.Y. Juang 8

Electrochemical Capacitive Properties of CuO Nanorods Prepared by a Facile Microwave-Assisted Synthesis Method

W. Li and N.N. Feng 21

Optimization Aging Parameters of Mg Silica Aerogel Using Box-Behnken Approach

I.T. Kara, S. Yücel and M. Arıcı 31

Modelling and Simulation of Hetero-Dielectric Surrounding Gate TFET

I.V. Anand, T.S.A. Samuel, P. Vimala and A. Shenbagavalli 47

The Differentially Effect of Some Antilipid Drugs on Activity of the Novel Synthesized Paraoxonase (PON1)-Inorganic Hybrid Nanoflowers

H. Nadaroglu, F. Ghebleh, M. Türkoglu and S.B. Ceyhun 59

Growth and Characterization of Nanostructured Ag-ZnO for Application in Water Purification

A. Barnasas, M.V. Karavasilis, C. Aggelopoulos, C.D. Tsakiroglou and P. Poulopoulos 75

Thickness Effect of Zno Film on the Performance of Photocatalytic in a p-Nio/n-Zno Heterostructure under Solar Light Irradiation

H. Farh, A. Noua, R. Guemini, D.E. Guitoume and O. Zaoui 87

Essential Oils Encapsulation into Nanoliposome and Novel Application of Nanoliposome as a Storage Pesticide

Z. Faraji, J. Shakarami, J. Varshosaz and S. Jafari 96

Critical Buckling Load of Triple-Walled Carbon Nanotube Based on Nonlocal Elasticity Theory

T. Bensattalah, A. Hamidi, K. Bouakkaz, M. Zidour and T.H. Daouadji 108