

Table of Contents

Controlling Water Flow in Pattern-Charged Nanotubes R.L. Zhang, G.J. Du, M.F. Wang and S.Y. Li	1
Systematic Characterization of the Crystalline Phase Transformation, from Amorphous to Rutile through Anatase, of TiO₂ Nanofibers Synthesised by Electrospun Technique O. Secundino-Sánchez, J. Díaz-Reyes, J.F. Sánchez-Ramírez, J.S. Arias-Cerón, M. Galván-Arellano and Á. Guillen-Cervantes	11
Synthesis of Zinc Oxide Nanoparticles by Precipitation and Sol Gel Methods from Different Precursors and their Comparison Impact on Seedling Attributes of Wheat F. Mehmood, H. Kousar, F. Hassan and Q.U. Zaman	25
Synthesis of Boron Nitride Nanosheets/Polyvinyl Butyral Thin Film: An Efficient Coating for UV Protection of Extra Virgin Olive Oil in Glass Bottles D. Kuru, A. Akpinar Borazan and N. Ay	37
A Facile Production of Reduced Graphene Oxide Transparent Films in Polyethylene Terephthalate Substrates N. Pereira, J. Carballo, M.D. Vozer Felisberto and G. Silva	53
Study of Copper Tin Selenide Nanoparticles of Milled Powder and Thin Films H. Rekkache, H. Kassentini, L. Bechiri, N. Benslim, A. Amara, X. Portier and P. Marie	67
Comparative Study of ZnO Nanomaterials Synthesized by Green and Electrospinning Methods S. Barman, J. Kumar, A.K. Das, S. Sikdar, A. Biswas, A. Srinivasan and R. Das	81
Near-Surface Nanostructuring of Polymethylmethacrylate by Silicon Ion Implantation G.B. Hadjichristov and T.E. Ivanov	95
Improving High Speed Switching Graphene Transistors Using Bandgap Engineering A. Benfdila	113
Photocatalytic Degradation of Total Organic Carbon in Water by under UV Irradiation on Graphene Oxide L. Kalankesh and M.A. Zazouli	123