

Table of Contents

Flabellate Bi₂Mo_{0.5}W_{0.5}O₆ Solid Solution Synthesized via PEG6000-Assisted Hydrothermal Process	
Z.F. Zhu, Y. Wang, H.G. Yu and J.Q. Li	1
Biological Activity of Gold Nanoparticles towards Filamentous Pathogenic Fungi	
G.D. Savi, M.M. da Silva Paula, J.C. Possato, T. Barichello, D. Castagnaro and V.M. Scussel	11
The Influence of Different Metal-Chelators on the Biological Profile of Nanoparticles for Gallium-68 Based Molecular Imaging	
Q.K.T. Ng, T. Segura, A. Ben-Shlomo, T. Krause, T.L. Mindt and M.A. Walter	21
Study of Surface Raman and Fluorescence Enhancement of RhB Molecules Adsorbed on Au Nanoparticles	
J. Tang, H.F. Wen, P.L. Chai, J. Liu, Y.B. Shi and C.Y. Xue	33
Synthesis of Nanoflower Precursors in Two-Phase System via Microwave-Assisted Hydrothermal Method and their <i>In Situ</i> Thermal Convection to NiO	
Y.B. Zhang, Z.F. Zhu, W.J. Zhang, Y.L. Zhang, H. Liu, G.H. Chen and Y. Wang	43
MnO_x/Ni(OH)₂ Nanocomposite Materials for High-Performance Electrochemical Capacitor Application	
Z. Wang, X. Wang, Y.X. Zhao, C.M. Zhao and W.T. Zheng	53
New Strategy for Controlled Release of Nitric Oxide	
A.B. Seabra, P.D. Marcato, L.B. de Paula and N. Durán	61
Biogenic Silver Nanoparticles: Antibacterial and Cytotoxicity Applied to Textile Fabrics	
P.D. Marcato, G. Nakasato, M. Brocchi, P.S. Melo, S.C. Huber, I.R. Ferreira, O.L. Alves and N. Durán	69
Properties and Antimicrobial Activity of Nanosilver Deposited Cotton Fabric Coated with γ-Methacryloxypropyl Trimethoxysilane	
S. Kurajica, T. Očko, V. Mandić, V. Cigula Kurajica and I. Ložić	77
Therapeutic Potential of Biogenic Silver Nanoparticles in Murine Cutaneous Leishmaniasis	
B. Rossi-Bergmann, W. Pacienza-Lima, P.D. Marcato, R. de Conti and N. Durán	89
Biogenic Silver Nanoparticles and its Antifungal Activity as a New Topical Transungual Drug	
P.D. Marcato, M. Durán, S.C. Huber, M. Rai, P.S. Melo, O.L. Alves and N. Durán	99
Virtual Force Feedback-Based 3D Master/Slave Tele-Nanomanipulation in SEM	
D.J. Li, W.B. Rong, L.N. Sun, W.Z. Xiao and Y. Zou	109
Nematic Liquid Crystals (NLC) Alignment by the Oriented Nanopatterns of some Polymers Functionalized with Monochlorotriazinyl-β-Cyclodextrin	
A.M. Grigoriu, C. Luca, A. Grigoriu, C. Racu, G. Hitruc, B. Stoica and G.E. Grigoriu	117
Surface Modification of Polydimethylsiloxane Using Low Pressure Chemical Vapour Deposition of Poly-Chloro-p-Xylene	
P.E. Poleni, N. Pereira-Rodrigues, D. Guimard, Y. Arakawa, Y. Sakai and T. Fujii	129
A New Theoretical Method for Transport Processes in Nanosensoristics	
P. di Sia	143