

Investigation on Infiltration of Molten Aluminum into a Metal Fibrous Preform Yong Bum Choi, Kazuhiro Matsugi, Gen Sasaki, Sung Ho Park, Won Jo Park	569
NANO COMPOSITES	
Manufacturing of Nano-scale Particulate Ppeinforced Aluminum Matrix Composites Adnan Ahmed, Krishnakumar Shankar and Andrew Neely	571
Production of Carbon Nanofibers by Using Catalytic Cracking Chemical Vapor Deposition Method (CC-CVD) Fahad S. Al Kasmoul, Muataz A. Atieh, Naif M. Al Abbadi, Sulaiman I. Al Mayman, Bader.A.AI Shehri	573
Mn – Containing Nanoclusters in Magnetically Ordered Si:Mn and GaMnAs Jadwiga Bak-Misiuk, P. Romanowski, J. Domagala, A. Misiuk, E. Dynowska, A. Barcz, J. Sadowski, W. Caliebe	577
Multilayer Coating for Stents with Tinbn, SiO ₂ , Xerogel And Nanostructured Cap U.Beck, R.Lange, U.Lembke, and H.G.Neumann	579
Ab Initio Study of Interactions between Covalently Functionalized Carbon Nanotubes Bessem BenDoudou, Jun Chen, Alexandre Vivet, Christophe Poilane, Gerard Nouet, Mhamed Ayachi	581
Quantitative Analysis of Nanocrystalline Materials Using X-Ray Powder Diffraction Xim Bokhimi, Antonio Morales, Oscar Ovalle	583
Nanostructured Al-Al ₄ C ₃ Composites Using CGraphite or CFullerene as initial reinforcements Francisco C. Robles Hernández, Hector A. Calderon	585
Nanocomposites based on Polyhedral Oligomeri Silsesquioxane (POSS) Feng Chih Chang	588
Waste HIPS-PE Foam (Partially Crosslinked) Composites Vinay kr. Chaudhary, P.A. Mahanwar	591
Interlaced Nano-Chitin-Fibers in Lucanidae Cuticle Bin Chen, Shitao Sun, Xianghe Peng, David Hui, Guozhen Quan	593
Modification of Carbon Nanotubes by Plasma Treatment and Preparation of CNT-Epoxy Composite LHan Chen, Chuh Yung Chen	595
Mechanical Properties of Transversely Isotropic Co-Nanowire-Reinforced Polymer Composites Wen Hwa Chen, Hsien Chie Cheng, Yu Chen Hsu, Ruoh Huey Uang, Jon Hiung Hsu	597
Nanostructures and Raman Scattering Guangxu Cheng, Chaoling Du, Juanhong Duan, Jia Wang, Shantao Zhang, Yanfeng Chen, Hua Xia, Kunji Chen, Xinkuai Zhang, Wei Zhang, Yuliang He, Fengqi Liu, Guanghuo Wang, Hai Shan, Youwei Du, Yongbing Xu, J.A.C.B. Iand	599
Research on the Mechanical Properties and Microstructure of PP/Kaolin Nanocomposites Hongfei Cheng, Qinfu Liu, Xuehui Fan	601
Effect of Solvents on the Mwcnt / Adhesive Grade Epoxy Nanocomposites Preparation Anil ChinnabhandAr, Jeena Jose, H N Narasimha Murthy, M Krishna	603
Effect of Carbon Nanotube With Plasma Modified in the Polyimide Matrix Wanjung Chou, Chuhyung Chen	605
Capacitive Effects in Ultrananocrystalline Diamond Gennaro Conte, M.C. Rossi, S. Salvatori	607
Failure Mechanisms of a Nanocomposite Laminate in Fatigue Daniel Davis, Jiang Zhu, Justin Wilkerson	609
Ultra High Temperature (UHT) Nanocomposites Through Fast Synthesis and Densification Processes Bruno Debenedetti, D. Vallauri, F.A. Deorsola, G. Ortigoza, I. Amato	611
Ni-P/Ceramic Nano-composite Coatings Deposited from Stable Dispersions in Electroless Nickel Solution Yoram de Hazan, Dennis Werner, Torben Reuter, Markus Z'graggen, Sigfried Roos, Thomas Graule	613
Dielectric Behavior of (PZT/PVDF) Nanocomposites for Temperature Sensors	