

Reviews on Advanced Materials Science

Volume 5, Number 5, December 2003

Proceedings

**of the International Conference
NANOMATERIALS AND NANOTECHNOLOGIES
(Crete, Greece, August 30 – September 6, 2003)**

Part V

edited by Ilya Ovid'ko

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Editorial Policy. The journal "Reviews on Advanced Materials Science" provides an international medium for the publication of reviews, topical issues and international conference proceedings in the area of theoretical and experimental study of advanced materials. Focuses are placed on, but not limited to nanostructured materials, semiconductors and high-transition-temperature superconductors. We encourage prospective authors to correspond with the principal editor before submitting a review article. Proposals should include an outline with key citations. All papers submitted will be rigorously peer-reviewed prior to publication. The journal "Reviews on Advanced Materials Science" is published in both paper and electronic versions.

CONTENTS

Preface	A5
Materials Physics and Mechanics Journal	A6
Effects of Topography in Nano-Structured Thin Films: a Lorentz Transmission Electron Microscopy and Electron Holography Study	403
Jeff Th. M. De Hosson and Hans A. De Raedt	
Polymeric Nanocomposites: Molecular Modelling Assessment of Organophilic Moieties in Layered Silicates	413
Graziella Ranghino, Giorgio Giannotta, Gianluigi Marra and Riccardo Po	
Enhanced Approach to Synthesize Carbon Allotropes by Arc Plasma	420
R. Dubrovsky and V. Bezmelnitsyn	
Growth Model of Carbon Nanotubes Assisted with Co-Based Catalysts	425
H.L.Chang, J.S. Fang and C.T. Kuo	
Structures and Properties of the Crystalline Si-C-N Using Additional Si-Source and Co-Catalyst	432
H.L.Chang, J.S. Fang and C.T. Kuo	
Porous Silicon Matrix for Applications in Biology	440
Anca Angelescu, Irina Kleps, Miu Mihaela, Monica Simion, Teodora Neghina, Stefana Petrescu, Nicanor Moldovan, Crina Paduraru and Aurelia Raducanu	
Nanocrystalline Hydrogen Absorbing Mg-Ni Alloy Processed by Mechanical (Ball) Milling	450
J. Bystrzycki, T. Czujko, R. A. Varin, D. Oleszak T. Durejko, W. Darlewski, Z. Bojar and W. Przetakiewicz	
LiMn_{2-x}Co_xO₄ Powders Syntesized by the Microwave-Induced Combustion Method and Its Electrochemical Properties	455
Yen-Pei Fu, Yu-Hsiu Su and Cheng-Hsiung Lin	
Formation and Field-Emission Properties of Carbon Nanofibers by a Simplified Thermal Growth	459
C.-T. Hsieh, J.-M. Chen, R.-R. Kuo and Y.-H. Huang	
The Small-Angle X-ray Scattering and Photon Absorption Studies on the Synthesis of Silver Nanoparticles with the Laser Induced Structure Changes	464
T.-L. Lin, Y. Hu and T.-H. Hsieh	
Studies of Surface Properties and Fractal Dimensions of Carbon Nanotubes Using Complex Methods	471
P. Staszczuk, M. Matyjewicz, E. Kowalska, J. Radomska, P. Byszewski and M. Kozłowski	
Superparamagnetic Relaxation in Cobalt Ferrite Nanoparticles Synthesized from Hydroxide Carbonate Precursors	477
Y. Ahn, E. J. Choi and E. H. Kim	
Microstructure of Fe Nanoparticles Fabricated by Chemical Vapor Condensation	481
Taek-Soo Kim, Wei Sun, Chul-Jin Choi and Byong-Taek Lee	
Preparation and Characterization of Magnetic Fe, Fe/C and Fe/N Nanoparticles Synthesized by Chemical Vapor Condensation Process	487
Chul-Jin Choi, Byoung-Kee Kim, Oleg Tolochko and Li-Da	

An Industrial Method for Nanoparticle Synthesis with a Wide Range of Compositions	493
Markku Rajala, Kauko Janka and Pekka Kykkänen	
Production of Iron-Cobalt Compound Nanoparticles Using Reverse Micellar System	498
Onur Döker, Emine Bayraktar, Ülkü Mehmetoğlu and Ayla Çalimli	
Microbially Synthesized Bioactive Nanoparticles and their Formulation Active Against Human Pathogenic Fungi	501
Sushil K. Shahi and Mamta Patra	
Crystallization and Failure Behaviors of Ta-Co Nanostructured/Amorphous Diffusion Barriers for Copper Metallization	510
J.S Fang, H.L. Chang, G.S. Chen and P.Y. Lee	
Instructions for authors	A7
Subscription order form 2003	A8
Subscription order form 2004	A9
Copyright transfer agreement form	A10

PREFACE

The International Conference "NANOMATERIALS AND NANOTECHNOLOGIES" (Crete, Greece, August 30 – September 6, 2003) provided a dynamic overview of current multidisciplinary research on nanostructured materials and development of nanotechnologies with the primary focus on reinforce of connection between the fundamental science, engineering and commercialization of nanostructures; between universities, governmental laboratories, academic institutions, private research sector and industry. The main aim of the Conference was to assess the current status and to identify future priority directions of fabrication, research, design and applications of nanocomposites, carbon nanotubes, self-assembled supramolecules, nanostructured bulk solids, films and coatings, quantum dots and wires. This issue of Reviews on Advanced Materials Science Journal is the fifth one of five issues containing selected papers presented at the Conference.

This issue will be of interest to researchers and graduate students in the field of nanostructured materials science and nanotechnologies. It can be also useful for engineers who are involved in production and processing of nanostructured materials for functional and structural applications.

I would like to greatly acknowledge the significant contribution of the international organizing committee: E.C. Aifantis (Greece), M.-I. Baraton (France), G.-M. Chow (Singapore), M.Yu. Gutkin (Russia), J.Th.M. De Hosson (The Netherlands), G. Kiriakidis (Greece), E. Lavernia (USA), C.S. Pande (USA), H.-E. Schaefer (Germany), S. Seal (USA), R.D. Shull (USA), G. Skandan (USA), V. Teixeira (Portugal) and T. Tsakalacos (USA). Special thanks are to Maria Prodromitis and representatives of Advanced Study Center (St. Petersburg, Russia), Creta Maris Hotel (Crete) and Select Travel Agency (Heraklion, Crete) for making the Conference a successful and smoothly running meeting.

The support of this Conference by Advanced Study Center (Russia), European Office of Aerospace Research and Development, Air Force Office of Scientific Research (USA), United States Air Force Research Laboratory, National Science Foundation (USA) and University of Central Florida (USA) is gratefully acknowledged.

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September 19, 2003

MATERIALS PHYSICS AND MECHANICS**JOURNAL**

Commencing publication with the March 2000 issue, the journal "Materials Physics and Mechanics" specializes in the rapid publication of international conference proceedings in every area of materials physics and mechanics. This permits such proceedings to be conveniently referenced, abstracted and read. All contributions are peer-reviewed, edited by the corresponding guest editor(s) and they may not be published elsewhere. The journal covers research activities in physics and mechanics of the traditional as well as the newly emerging materials.

The journal "Materials Physics and Mechanics" is published in both paper and electronic versions.

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