

COLLECTED SCIENTIFIC TRANSACTIONS

NANOSISTEMI, NANOMATERIALI, NANOTEHNOLOGII

FOUNDED IN OCTOBER, 2003

Volume 13, Issue 1 (2015)

CONTENTS

Editorial Announcements	Information for Subscribers	VIII
	Information for Contributors	XI
	Modification of Antineoplastic Drugs by Nanostructures <i>M. A. ZABOLOTNYY, M. P. KULISH, I. S. CHEKMAN, G. I. SOLYANYK, O. P. DMYTRENKO, T. O. BUSKO, O. L. PAVLENKO, L. M. KIRKILEVS'KA, and Yu. M. KONDRATS'KYY</i>	1
	Application of Nanoparticles of Pyrogenic Silica for Stabilization and Regulation of Rheological Properties of Aqueous Suspensions of Coal <i>D. P. SAVITSKYI, K. V. MAKAROVA, and A. S. MAKAROV</i>	15
	Adsorption of Glycine and Its Influence on an Electro- kinetic Potential and Stability of Suspensions of Multilayer Carbon Nanotubes <i>M. V. MANILO</i>	25
	New Composite Materials Based on the Recovered Oxide of Graphene and Polyaniline in Supercapacitors of High Capacity <i>S. A. BASKAKOV, O. D. ZOLOTARENKO, Yu. V. BASKAKOVA, Yu. M. SHUL'GA, D. V. SHCHUR, I. E. KUZNETSOV, O. N. EFIMOV, A. L. GUSEV, and S. V. DOROSHENKO</i>	37
	Influence of Conditions of Deposition and Annealing on a Nanohardness of Amorphous Si-C-N Films <i>O. K. PORADA</i>	59
	Quantum Dimensional Effect in an Electrical Conductivity of Films of the Copper Deposited on a Surface of Sublayers of Silicon and Antimony <i>R. I. BIGUN, M. D. BUCHKOV'S'KA, V. M. GAVRYLYUKH, Ya. A. PASTYRS'KYY, and Z. V. STASYUK</i>	75
	Different Electron-Scattering Mechanisms' Contribution to the Formation of the Amplitude Contrast of Electron-	

Microscopic Images <i>M. Yu. BOBYK, V. P. IVANITSKY, M. M. RYABOSHCHUK, and O. Ya. SVATYUK</i>	85
The Dispersion Sensitivity of Scattering Pattern to Defects Depending on Thickness of Crystalline Products of Nanotechnologies. I. Theoretical Model <i>V. V. LIZUNOV, E. V. KOHELAB, O. S. SKAKUNOVA, E. G. LEN, V. B. MOLODKIN, S. J. OLIKHOVS' KYY, M. G. TOLMACHOV, B. V. SHELUDCHENKO, S. V. LIZUNOVA, and L. M. SKAPA</i>	99
Structures for Absorption of an Electromagnetic Field in a Centimetric Range <i>A. T. PONOMARENKO and V. G. SHEVCHENKO</i>	117
Features of Electronic Structure of Phosphate and Vanadate Apatites of Calcium and Cadmium <i>A. P. SOROKA, V. Kh. KASIYANENKO, and V. L. KARBOVSKIY</i>	135
Ferromagnetic Resonance in the Exchange-Coupled Multilayer Structures <i>I. M. KOZAK, D. M. POLISHCHUK, A. F. KRAVETS', V. O. GOLUB, and V. KORENIVSKI</i>	147
The Higgsless Causally Complete Theory Based on Unreduced Complex Dynamics of Interaction <i>A. P. KIRILYUK</i>	161

Scientific Editors of Issue—*V. B. Molodkin, V. A. Tatarenko*

Executive Managing Editor—*V. A. Tatarenko*

Technical Editor—*D. S. Leonov*

Editorial-Publishing Department, G. V. Kurdyumov Institute for Metal Physics, N.A.S. of Ukraine

Editorial Office: 36 Academician Vernadsky Boulevard, UA-03680 Kyiv-142, Ukraine

Telephone: +380 44 4229551, +380 44 4241221. Fax: +380 44 4242561

E-mail: tatar@imp.kiev.ua; dsleonov@gmail.com