

COLLECTED SCIENTIFIC TRANSACTIONS

**NANOSISTEMI,
NANOMATERIALI,
NANOTEHNOLOGII**

FOUNDED IN OCTOBER, 2003

Volume 14, Issue 3 (2016)

CONTENTS

Editorial Announcements	Information for Subscribers Information for Contributors	VIII XI
	Formation of Nanoscale Structures on a Surface of Materials at Ion-Beam Sputtering <i>V. O. KHARCHENKO, D. O. KHARCHENKO, I. O. LYSENKO, V. V. YANOVSKY, and A. V. DVORNICHENKO</i>	319
	Synthesis and Properties of the Monolayer and Multilayer Films of Nickel at Thermal Fabrication of Them <i>V. A. ARTEMYUK, L. I. KARBOVSKA, L. P. KLIUIENKO, and V. L. KARBIVSKYY</i>	375
	Complex Impedance Dielectric Properties of Nickel–Cobalt Ferrites <i>V. S. BUSHKOVA</i>	387
	Structural-Phase, Morphological, and Electrophysical Properties of $\text{FeF}_3 \cdot n\text{H}_2\text{O}$ ($n = 0; 0.33; 3$) / C Nanocomposites <i>V. V. MOKLYAK, B. K. OSTAFIYCHUK, V. O. KOTSYUBYNSKY, L. Z. ZBIHLEI, A. B. HRUBYAK, and P. I. KOLKOVSKYY</i>	403
	Synthesis and Properties of a MgF_2 / Carbon Nanocomposite for Cathodes of Lithium Electrical Current Supplies <i>R. V. IL'NYTS'KYI, B. K. OSTAFIYCHUK, I. M. GASYUK, I. M. BUDZULYAK, M. Ya. SICHKA, and S. V. VOYTKIV</i>	425
	High-Performance Electrode Based on Activated Carbon for Electrochemical Energy Sources <i>B. P. BAKHMATYUK, I. Ya. DUPLIAK, and J. M. VOITOVIC</i>	435
	Influence of an <i>L</i> -Aspartic Acid on Crystallization of Calcium Oxalate Monohydrate <i>Yu. V. TARANETS, O. M. BEZKROVNAYA,</i>	

CONTENTS, Iss. 3 (Vol. 14)

<i>I. M. PRITULA, P. V. MATEYCHENKO, D. S. SOFRONOV, and V. K. KLOCHKOV</i>	445
Studying of Mechanical Properties of Crystalline Molecular Scintillators of <i>n</i> -Terphenyl by Indentation Methods	
<i>Yu. V. MILMAN, N. Z. GALUNOV, S. I. CHUGUNOVA, I. V. LAZAREV, B. V. ISTOMIN, O. I. ZAPOROZHETS, and I. V. GONCHAROVA</i>	461
Structural and Magnetic Phase Transformations in the Invar Fe–Ni–C Alloy Induced by Mechanoactivation	
<i>D. L. VASHCHUK, S. Yu. MAKARENKO, V. E. YAKOVLEV, I. M. MELNYK, V. M. NADUTOV, and V. V. MOKLYAK</i>	477

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-03142 Kyyiv, Ukraine
Telephone: +380 44 4229551, +380 44 4249042, +380 44 4241221. Fax: +380 44 4242561
E-mail: tatar@imp.kiev.ua; dsleonov@gmail.com