

Contents

Vol. 10, Nos. 7–8, 2015

A simultaneous English language translation of this journal is available from Pleiades Publishing, Ltd.
Distributed worldwide by Springer. *Nanotechnologies in Russia* ISSN 1995-0780.

Lecithin Organogels as Prospective Functional Nanomaterial <i>N. M. Murashova and E. V. Yurtov</i>	511
Influence of Carbon-Nanotube Concentration in Chloroform on the Kinetics of Agglomeration and Sedimentation <i>A. M. Grekhov and Yu. S. Eremin</i>	523
The Use of Ion Irradiation for Converting Superconducting Thin-Film NbN into Niobium Oxide Nb ₂ O ₅ <i>B. A. Gurovich, K. E. Prihod'ko, M. A. Tarkhov, E. A. Kuleshova, D. A. Komarov, V. L. Stolyarov, E. D. Ol'shanskii, B. V. Goncharov, D. A. Goncharova, L. V. Kutuzov, A. G. Domantovskii, Z. V. Lavrukhnina, and M. M. Dement'eva</i>	530
Characterization of SWCNT Products Manufactured in Russia and the Prospects for Their Industrial Application <i>A. V. Krestinin, N. N. Dremova, E. I. Knerel'man, L. N. Blinova, V. G. Zhigalina, and N. A. Kiselev</i>	537
Design of the Bulk Receptor Layer with Silver Nanoparticles for Micromechanical Sensors <i>A. Yu. Makarik, A. A. Tepanov, D. V. Kolesov, A. A. Kudrinskii, and G. V. Lisichkin</i>	549
Sorption-Membrane System for Deep Deoxygenation of Water <i>L. N. Polyanskii, V. S. Gorshkov, D. D. Vakhnin, and T. A. Kravchenko</i>	558
Hybrid Electrode Materials Based on Ion-Exchange Matrix Containing Copper Nanoparticles and Carbon Fibers for the Electroreduction of Nitrate Ions <i>M. Yu. Chaika, E. V. Bulavina, and T. A. Kravchenko</i>	565
Synthesis and Optimization of Methods for the Production of Magnetite Nanoparticles with Different Sizes and Morphology for Biological Application <i>N. V. Pul'kova, S. A. Tonevitskaya, V. M. Gerasimov, P. G. Rudakovskaya, A. G. Mazhuga, and D. A. Sakharov</i>	570
Synthesis of Catalytic Systems based on Nanocomposites Containing Palladium and Hydroxycarbonates of Rare-earth Elements <i>M. V. Chernysheva, T. M. Buslaeva, T. Pakkanen, V. V. Fomichev, and E. V. Kopylova</i>	576
Synthesis of Wear-Resistant Superhydrophobic Coatings via Laser Micro- and Nanotexturing <i>A. M. Emelyanenko, A. G. Domantovsky, K. A. Emelyanenko, and L. B. Boinovich</i>	585
Metamorphic Nanoheterostructures for Millimeter-Wave Electronics <i>G. B. Galiev, R. A. Khabibullin, D. S. Ponomarev, A. E. Yachmenev, A. S. Bugaev, and P. P. Maltsev</i>	593
In-situ Investigation of the Bulk Heterojunction Formation Processes in the Active Layers of Organic Solar Cells <i>K. Kvamen, S. Grigoryan, D. V. Anokhin, V. A. Bataev, A. I. Smirnov, and D. A. Ivanov</i>	600
Influence of Surface Potential Barriers on the Dependence of Photocurrent on Intensity of Exciting Light in Cadmium Sulfide Films with a Nanostructured Surface <i>T. L. Mayorova, V. G. Klyuev, and A. I. Zvyagin</i>	606
Photovoltaic Properties of Zn, Al, La, Sm, and Yb Complexes with O-Iminobenzoquinone Ligands <i>A. A. Maleev, O. Yu. Trofimova, A. P. Pushkarev, N. V. Somov, V. V. Travkin, G. L. Pakhomov, A. V. Piskunov, and M. N. Bochkarev</i>	613
Formation of Nanostructured Light-Guiding Films Based on Octavinylsilsesquioxane and Polyvinylsilsesquioxane Using Structured Aluminum Oxide <i>M. V. Tutov, N. P. Shapkin, N. B. Kondrikov, and V. G. Kuryavyi</i>	621

Capsulation of House-Dust-Mite Allergens into Nanoparticles Developed from Chitosan and Alginate	
<i>E. I. Kashirina, P. D. Reshetov, L. G. Alekseeva, S. V. Khlgatyan, D. Yu. Ryazantsev, V. P. Zubov, S. V. Guryanova, and E. V. Svirshchevskaya</i>	627
Study of Nanomechanical Properties of Biological Membranes Using Atomic Force Microscopy	
<i>N. I. Potaturkina-Nesterova, M. N. Artamonova, B. B. Kostishko, E. S. Pchelintseva, and A. S. Nesterov</i>	636
Effect of Silver Nanoparticles Encapsulated in a Polymer Matrix on the Structure of Nervous Tissue and Expression of Caspase-3	
<i>E. A. Titov, M. A. Novikov, and L. M. Sosedova</i>	640
Effects of Fullerol C ₆₀ (OH) ₂₄ on Physiological and Compensatory Erythropoiesis	
<i>N. V. Tishevskaya, E. V. Golubotovsky, K. O. Pharizova, and D. M. Omarova</i>	645
Nanostructured Water-Phosphorite Suspension is a New Promising Fertilizer	
<i>N. L. Sharonova, A. Kh. Yapparov, N. Sh. Khisamutdinov, A. M. Ezhkova, I. A. Yapparov, V. O. Ezhkov, I. A. Degtyareva, and E. V. Babynin</i>	651
