

CONTENTS

Original articles

<p>Noor A. Saeed, Wafaa A. Hussain, Mukhlis M. Ismail, Mudatheer M. Al-Slivani Tunable magnetic, dielectric, and optical properties of cobalt ferrite/PVA nanocomposites: Effect of nanoparticle calcination temperature</p>	3	<p>Rahimli M. A., Mamedova S. R. Features of equilibrium uranium sorption on the fibrous carboxylated sorbent FORPAN from carbonate-containing solutions simulating seawater</p>	103
<p>Barkov K. A., Babakov V. V., Potudansky G. P., Ivkov S. A., Peshkov Ya. A., Polshin I. V., Kersnovsky E. S., Khydyrova S. Y., Moiseev K. M., Zanin I. E., Pelagina A. K., Buylov N. S., Tran Van Tu, Nikonov A. E., Sitnikov A. V. On the formation of the Ag₂Si metastable phase in an Ag-Si film obtained by ion-beam sputtering</p>	15	<p>Tyurina E. A., Velmuzhov A. P., Sukhanov M. V., Plekhovich A. D., Fukina D. G., Shiryayev V. S. Stability against crystallization and optical properties of (Ga₁₀Ge₁₅Te₇₅)_{100-x}(AgI)_x (x = 0–15 mol %) glasses</p>	115
<p>Vdovenkov F. A., Tarakanov P. P., Kozaderov O. A., Fomin P. V. Electrochemical reduction of nitrate ions on copper coatings of various roughness under conditions of mixed transport and kinetic control</p>	28	<p>Hafizov A. A., Markelova M. N., Gu Ruoxuan, Graboy I. E., Amelichev V. A., Volkov D. A., Gabrielyan D. A., Safin A. R., Nikitov S. A., Kaul A. R. MOCVD and ferromagnetic resonance of epitaxial Lu₃Fe₅O₁₂ films for high-frequency applications</p>	126
<p>Gonchar K. A., Saushkin N. Yu., Samsonova J. V., Osminkina L. A. Silicon nanowires modified with Au/Ag nanoparticles for the label-free detection of prostate-specific antigen using surface-enhanced Raman spectroscopy</p>	40	<p>Short communication Dudkina S. I., Zorin D. I., Glazunova E. V., Shilkina L. A., Andryushina I. N., Andryushin K. P., Verbenko I. A., Reznichenko L. A. Lead-free smart materials based on alkali metal niobates: phase formation, crystal structure, macroscopic responses</p>	137
<p>Qurbanov A. A., Ahmadov E. J., Shukurova G. M., Alverdiyev I. J., Jafarov Y. I. Thermodynamic study of the BiSI-BiSeI system by the electromotive force method</p>	46	<p>Pobedinsky V. V., Buylov N. S., Ilina E. A., Goloshchapov D. L., Kersnovsky E. S., Polshin I. V., Chukavin A. I., Zolnikov K. V., Kutsko P. P., Parmon P. L., Semeykin I. V., Koniaev I. V., Seredin P. V. Electronic structure and spatial architecture of chemically deposited high-phosphorus nickel coatings for application in advanced microelectronics technologies</p>	143
<p>Ilina E. A., Kozaderov O. A., Sotskaya N. V., Golovinsky A. D., Kolbeshkina E. D., Polikarchuk V. A. Kinetics of cathodic deposition of copper from an acid sulfate solution in the presence of organic disulfides</p>	57	<p>Popov E. A., Potanina D. S., Bogatkov E. V. Detection of acetone by a sensor based on clinoptilolite</p>	148
<p>Lenshin A. S., Frolova V. E., Makagonov V. A., Pelagina A. K., Domashevskaya E. P. Microstructural and hydrophilic properties of acrylonitrile-butadiene-styrene copolymer ABS samples with different 3D-printed patterns</p>	69	<p>Turishchev S. Yu., Belikov E. A., Parinova E. V., Kureshi D. Z., Chuvenkova O. A., Sivakov V., Antipov S. S. <i>E. coli</i> cells as a source of biohybrid material: electron microscopy and microanalysis study</p>	153
<p>Nemykh Ya. M., Kostryukov V. F., Gorbunov I. N., Tomina E. V. Effect of Sr²⁺ ions on the gas-sensitive properties of LaCrO₃ and GdCrO₃</p>	81	<p>Anniversary of Professor Aleksandr V. Vvedenskii's anniversary</p>	159
<p>Popov P. A., Shchelokov A. V., Mitroshenkov N. V., Kushnereva A. A., Konyushkin V. A., Nakladov A. N., Fedorov P. P., Kuznetsov S. V. Semi-empirical description of the regularity of change in thermal conductivity of single crystals based on the example of a concentration series of Ba_{1-x}La_xF_{2+2x} solid solutions</p>	92	<p>Guide for Authors – 2026</p>	161