|  |  |
| --- | --- |
| 1) | Glebova, Y., Reiter-Scherer, V., Suvanto, S., Korpela, T., Pakkanen, T.T., Severin, N., Shershnev, V., Rabe, J.P. [Nano-mechanical imaging reveals heterogeneous cross-link distribution in sulfur-vulcanized butadiene-styrene rubber comprising ZnO particles](https://www.scopus.com/record/display.uri?eid=2-s2.0-84995699462&origin=resultslist) (2016) *Polymer (United Kingdom)*, 107, pp. 102-107.   DOI: 10.1016/j.polymer.2016.11.011  Document Type: Article |

|  |  |
| --- | --- |
| 2) | Puchkov, P.A., Shmendel, E.V., Luneva, A.S., Morozova, N.G., Zenkova, M.A., Maslov, M.A. [Design, synthesis and transfection efficiency of a novel redox-sensitive polycationic amphiphile](https://www.scopus.com/record/display.uri?eid=2-s2.0-84999025132&origin=resultslist) (2016) *Bioorganic and Medicinal Chemistry Letters*, 26 (24), pp. 5911-5915.   DOI: 10.1016/j.bmcl.2016.11.005  Document Type: Article |

|  |  |
| --- | --- |
| 3) | Serafimov, L., Frolkova, A. [Determination of vapor-liquid equilibrium diagrams of multicomponent systems](https://www.scopus.com/record/display.uri?eid=2-s2.0-84989956237&origin=resultslist) (2016) *Chemical Papers*, 70 (12), pp. 1578-1589.   DOI: 10.1515/chempap-2016-0091  Document Type: Article |

|  |  |
| --- | --- |
| 4) | Arapov, O., Arapova, E., Volnyakova, O., Ivanova, A., Krivolapova, J., Solodukhin, D. [Philosophy as rational knowledge](https://www.scopus.com/record/display.uri?eid=2-s2.0-85008705082&origin=resultslist) (2016) *Indian Journal of Science and Technology*, 9 (46), art. no. 107529, .   DOI: 10.17485/ijst/2016/v9i46/107529  Document Type: Article |

|  |  |
| --- | --- |
| 5) | Gelever, V.D., Usachev, E.Y., Manushkin, A.A. [Modes of a hybrid nanoscope for conducting comprehensive investigations of nanostructured materials](https://www.scopus.com/record/display.uri?eid=2-s2.0-85008686536&origin=resultslist) (2016) *Bulletin of the Russian Academy of Sciences: Physics*, 80 (12), pp. 1441-1449.   DOI: 10.3103/S1062873816120066  Document Type: Article |

|  |  |
| --- | --- |
| 6) | Voronina, E.V., Seregin, Y.A., Litvinova, N.A., Shvets, V.I., Shukurov, R.R. [Design of a stable cell line producing a recombinant monoclonal anti-TNFα antibody based on a CHO cell line](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987981768&origin=resultslist) (2016) *SpringerPlus*, 5 (1), art. no. 1584, .   DOI: 10.1186/s40064-016-3213-2  Document Type: Article |

|  |  |
| --- | --- |
| 7) | Zhukova, E.S., Mikheykin, A.S., Torgashev, V.I., Bush, A.A., Yuzyuk, Y.I., Sashin, A.E., Prokhorov, A.S., Dressel, M., Gorshunov, B.P. [Crucial influence of crystal site disorder on dynamical spectral response in artificial magnetoplumbites](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994365005&origin=resultslist) (2016) *Solid State Sciences*, 62, pp. 13-21.   DOI: 10.1016/j.solidstatesciences.2016.10.012  Document Type: Article |

|  |  |
| --- | --- |
| 8) | Khabibullina, G.R., Fedotova, E.S., Meshcheryakova, E.S., Buslaeva, T.M., Akhmetova, V.R., Ibragimov, A.G. [Synthesis of Dithiaza- and Dioxadithiazacycloalkanes by Cyclothiomethylation of Arylamines with Formaldehyde and α,ω-Dithiols](https://www.scopus.com/record/display.uri?eid=2-s2.0-84997234901&origin=resultslist) (2016) *Chemistry of Heterocyclic Compounds*, pp. 1-9. Article in Press.   DOI: 10.1007/s10593-016-1975-7  Document Type: Article in Press |

|  |  |
| --- | --- |
| 9) | Korobkin, Y.V., Romanov, I.V., Shikanov, A.S. [On the Features of X-Ray Emission of a Laser-Plasma Diode](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994756477&origin=resultslist) (2016) *Russian Physics Journal*, pp. 1-5. Article in Press.   DOI: 10.1007/s11182-016-0854-0  Document Type: Article in Press |

|  |  |
| --- | --- |
| 10) | Olkhov, A.A., Krutikova, A.A., Goldshtrakh, M.A., Staroverova, O.V., Iordanskii, A.L., Ischenko, A.A. [Ultrathin fiber poly-3-hydroxybutyrate, modified by silicon carbide nanoparticles](https://www.scopus.com/record/display.uri?eid=2-s2.0-85005987205&origin=resultslist) (2016) *AIP Conference Proceedings*, 1783, art. no. 020167, .   DOI: 10.1063/1.4966460  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 11) | Komandin, G.A., Porodinkov, O.E., Spektor, I.E., Volkov, A.A., Vorotilov, K.A., Seregin, D.S., Sigov, A.S. [Electrodynamic properties of porous PZT-Pt films at terahertz frequency range](https://www.scopus.com/record/display.uri?eid=2-s2.0-84997427599&origin=resultslist) (2016) *Physica Status Solidi (C) Current Topics in Solid State Physics*, . Article in Press.   DOI: 10.1002/pssc.201600211  Document Type: Article in Press |

|  |  |
| --- | --- |
| 12) | Chelyuskina, T.V., Bedretdinov, F.N., Pronina, D.S. [Studying the structure of the vapor–liquid equilibrium diagram of the butyl propionate–propionic acid–butyl butyrate–butyric acid system](https://www.scopus.com/record/display.uri?eid=2-s2.0-84999836723&origin=resultslist) (2016) *Theoretical Foundations of Chemical Engineering*, 50 (6), pp. 1043-1048.   DOI: 10.1134/S0040579516060026  Document Type: Article |

|  |  |
| --- | --- |
| 13) | Guseva, E.V., Buslaeva, T.M., Polovnyak, V.K. [Rhodium complexation with phosphoryl-containing calix[4]resorcine](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994823951&origin=resultslist) (2016) *Russian Journal of Inorganic Chemistry*, 61 (11), pp. 1436-1444.   DOI: 10.1134/S0036023616110085  Document Type: Article |

|  |  |
| --- | --- |
| 14) | Berzin, A.A., Vinokurov, D.L., Morosov, A.I. [Evolution of the antiferromagnetism vector of a multiferroic BiFeO3 during switching its ferroelectric polarization](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994876681&origin=resultslist) (2016) *Physics of the Solid State*, 58 (11), pp. 2320-2324.   DOI: 10.1134/S1063783416110032  Document Type: Article |

|  |  |
| --- | --- |
| 15) | Lebedeva, M.V., Yashtulov, N.A., Flid, V.R. [Catalysts with platinum–palladium nanoparticles on polymer matrix supports](https://www.scopus.com/record/display.uri?eid=2-s2.0-84999749848&origin=resultslist) (2016) *Kinetics and Catalysis*, 57 (6), pp. 847-852.   DOI: 10.1134/S0023158416060070  Document Type: Article |

|  |  |
| --- | --- |
| 16) | Pleshanov, K.A., Ionkin, I.L., Roslyakov, P.V., Maslov, R.S., Ragutkin, A.V., Kondrat’eva, O.E. [Combustion of bark and wood waste in the fluidized bed boiler](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991764935&origin=resultslist) (2016) *Thermal Engineering*, 63 (11), pp. 813-818.   DOI: 10.1134/S0040601516110057  Document Type: Article |

|  |  |
| --- | --- |
| 17) | Chernikova, E.V., Serkhacheva, N.S., Smirnov, O.I., Prokopov, N.I., Plutalova, A.V., Lysenko, E.A., Kozhunova, E.Y. [Emulsifier-free polymerization of n-butyl acrylate involving trithiocarbonates based on oligomer acrylic acid](https://www.scopus.com/record/display.uri?eid=2-s2.0-85004045100&origin=resultslist) (2016) *Polymer Science - Series B*, 58 (6), pp. 629-639.   DOI: 10.1134/S1560090416060051  Document Type: Article |

|  |  |
| --- | --- |
| 18) | Kanareikin, A.G., Kaptelov, E.Y., Senkevich, S.V., Pronin, I.P., Sergienko, A.Y., Sergeeva, O.N. [Influence of high-temperature annealing on the orientation of the unipolarity vector in lead zirconate titanate thin films](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994805822&origin=resultslist) (2016) *Physics of the Solid State*, 58 (11), pp. 2325-2330.   DOI: 10.1134/S1063783416110147  Document Type: Article |

|  |  |
| --- | --- |
| 19) | Dzhardimalieva, G.I., Semenov, S.A., Knerelman, E.I., Davydova, G.I., Kydralieva, K.A. [Preparation and Reactivity of Metal-Containing Monomers. 78. Scandium-Containing Monomers And Polymers: Synthesis, Structure and Properties](https://www.scopus.com/record/display.uri?eid=2-s2.0-84979588358&origin=resultslist) (2016) *Journal of Inorganic and Organometallic Polymers and Materials*, 26 (6), pp. 1441-1451.   DOI: 10.1007/s10904-016-0421-8  Document Type: Article |

|  |  |
| --- | --- |
| 20) | Chekhov, A.L., Naydenov, P.N., Golikova, O.V., Bespalov, A.V., Stognij, A.I., Murzina, T.V. [Magnetoplasmonic crystals: Resonant linear and nonlinear magnetooptical effects](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994908350&origin=resultslist) (2016) *Physics of the Solid State*, 58 (11), pp. 2251-2255.   DOI: 10.1134/S1063783416110044  Document Type: Article |

|  |  |
| --- | --- |
| 21) | Krasavin, M., Lukin, A., Zhurilo, N., Kovalenko, A., Zahanich, I., Zozulya, S. [Novel agonists of free fatty acid receptor 1 (GPR40) based on 3-(1,3,4-thiadiazol-2-yl)propanoic acid scaffold](https://www.scopus.com/record/display.uri?eid=2-s2.0-84959057647&origin=resultslist) (2016) *Journal of Enzyme Inhibition and Medicinal Chemistry*, 31 (6), pp. 1404-1410. Cited 1 time.  DOI: 10.3109/14756366.2016.1142984  Document Type: Article |

|  |  |
| --- | --- |
| 22) | Tuyakova, F.T., Obraztsova, E.A., Korostylev, E.V., Klinov, D.V., Prusakov, K.A., Alekseev, A.A., Ismagilov, R.R., Obraztsov, A.N. [Photo- and cathodo-luminescence of needle-like single crystal diamonds](https://www.scopus.com/record/display.uri?eid=2-s2.0-84984833442&origin=resultslist) (2016) *Journal of Luminescence*, 179, pp. 539-544. Cited 2 times.  DOI: 10.1016/j.jlumin.2016.08.001  Document Type: Article |

|  |  |
| --- | --- |
| 23) | Sikolenko, V.V., Efimov, V.V., Efimova, E.A., Tiutiunnikov, S.I., Selutin, A.G., Karpinsky, D.V., Keller, L., Ritter, C., Nazarenko, M.A., Troyanchuk, I.O. [Neutron-diffraction studies of the antiferromagnetic–ferromagnetic transition in anion-deficient cobaltites](https://www.scopus.com/record/display.uri?eid=2-s2.0-85002398117&origin=resultslist) (2016) *Journal of Surface Investigation*, 10 (6), pp. 1133-1135.   DOI: 10.1134/S102745101605061X  Document Type: Article |

|  |  |
| --- | --- |
| 24) | Baierl, S., Hohenleutner, M., Kampfrath, T., Zvezdin, A.K., Kimel, A.V., Huber, R., Mikhaylovskiy, R.V. [Nonlinear spin control by terahertz-driven anisotropy fields](https://www.scopus.com/record/display.uri?eid=2-s2.0-84989928684&origin=resultslist) (2016) *Nature Photonics*, 10 (11), pp. 715-718. Cited 1 time.  DOI: 10.1038/nphoton.2016.181  Document Type: Article |

|  |  |
| --- | --- |
| 25) | Mazilkin, A.A., Straumal, B.B., Protasova, S.G., Bulatov, M.F., Baretzky, B. [Pseudopartial wetting of W/W grain boundaries by the nickel-rich layers](https://www.scopus.com/record/display.uri?eid=2-s2.0-85009291594&origin=resultslist) (2016) *Materials Letters*, . Article in Press.   DOI: 10.1016/j.matlet.2016.12.049  Document Type: Article in Press |

|  |  |
| --- | --- |
| 26) | Krasavin, M., Lukin, A., Bagnyukova, D., Zhurilo, N., Zahanich, I., Zozulya, S. [Novel FFA1 (GPR40) agonists containing spirocyclic periphery: polar azine periphery as a driver of potency](https://www.scopus.com/record/display.uri?eid=2-s2.0-84992402764&origin=resultslist) (2016) *Journal of Enzyme Inhibition and Medicinal Chemistry*, pp. 1-8. Article in Press.   DOI: 10.1080/14756366.2016.1230110  Document Type: Article in Press |

|  |  |
| --- | --- |
| 27) | Taran, Y.A., Bespalova, V.O., Taran, A.L., Taran, A.V. [Calculation of the Granulometric Composition of Prilled Products from the Most Probable Size of Granules](https://www.scopus.com/record/display.uri?eid=2-s2.0-84992109078&origin=resultslist) (2016) *Journal of Engineering Physics and Thermophysics*, pp. 1-7. Article in Press.   DOI: 10.1007/s10891-016-1476-7  Document Type: Article in Press |

|  |  |
| --- | --- |
| 28) | Podgorny, Y., Vorotilov, K., Lavrov, P., Sigov, A. [Leakage currents in porous PZT films](https://www.scopus.com/record/display.uri?eid=2-s2.0-84995609143&origin=resultslist) (2016) *Ferroelectrics*, 503 (1), pp. 77-84.   DOI: 10.1080/00150193.2016.1217140  Document Type: Article |

|  |  |
| --- | --- |
| 29) | Sherstyuk, N.E., Ivanov, M.S., Ilyin, N.A., Grishunin, K.A., Mukhortov, V.M., Kholkin, A.L., Mishina, E.D. [Local electric field distribution in ferroelectric films and photonic crystals during polarization reversal](https://www.scopus.com/record/display.uri?eid=2-s2.0-84995572433&origin=resultslist) (2016) *Ferroelectrics*, 503 (1), pp. 138-148.   DOI: 10.1080/00150193.2016.1217143  Document Type: Article |

|  |  |
| --- | --- |
| 30) | Pastukhova, S.E. [Estimates of Homogenization for the Beltrami Equation](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991109103&origin=resultslist) (2016) *Journal of Mathematical Sciences (United States)*, pp. 1-10. Article in Press.   DOI: 10.1007/s10958-016-3100-y  Document Type: Article in Press |

|  |  |
| --- | --- |
| 31) | Khaydukov, E.V., Mironova, K.E., Semchishen, V.A., Generalova, A.N., Nechaev, A.V., Khochenkov, D.A., Stepanova, E.V., Lebedev, O.I., Zvyagin, A.V., Deyev, S.M., Panchenko, V.Ya. [Riboflavin photoactivation by upconversion nanoparticles for cancer treatment](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991272308&origin=resultslist) (2016) *Scientific Reports*, 6, art. no. 35103, . Cited 1 time.  DOI: 10.1038/srep35103  Document Type: Article |

|  |  |
| --- | --- |
| 32) | Lesko, S.A., Zhukov, D.O. [Stochastic Self-Organisation of Poorly Structured Data and Memory Realisation in an Information Domain When Designing News Events Forecasting Models](https://www.scopus.com/record/display.uri?eid=2-s2.0-84995538939&origin=resultslist) (2016) *Proceedings - 2016 IEEE 14th International Conference on Dependable, Autonomic and Secure Computing, DASC 2016, 2016 IEEE 14th International Conference on Pervasive Intelligence and Computing, PICom 2016, 2016 IEEE 2nd International Conference on Big Data Intelligence and Computing, DataCom 2016 and 2016 IEEE Cyber Science and Technology Congress, CyberSciTech 2016, DASC-PICom-DataCom-CyberSciTech 2016*, art. no. 7588951, pp. 890-893.   DOI: 10.1109/DASC-PICom-DataCom-CyberSciTec.2016.153  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 33) | Abramova, E.N., Khort, A.M., Syrov, Y.V., Yakovenko, A.G., Shvets, V.I. [Morphology of pores produced in n-Si {100} by etching in hydrofluoric acid solutions](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987896343&origin=resultslist) (2016) *Inorganic Materials*, 52 (10), pp. 979-984.   DOI: 10.1134/S0020168516100010  Document Type: Article |

|  |  |
| --- | --- |
| 34) | Berzin, A.A., Morosov, A.I., Sigov, A.S. [Imry–Ma disordered state induced by impurities of “random local anisotropy” type in the system with O(n) symmetry](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991710996&origin=resultslist) (2016) *Physics of the Solid State*, 58 (10), pp. 2018-2020.   DOI: 10.1134/S1063783416100085  Document Type: Article |

|  |  |
| --- | --- |
| 35) | Rozanov, V.N., Treger, Y.A., Silina, I.S. [Stability of catalysts for the oxidative chlorination of methane](https://www.scopus.com/record/display.uri?eid=2-s2.0-85007092809&origin=resultslist) (2016) *Catalysis in Industry*, 8 (4), pp. 336-340.   DOI: 10.1134/S2070050416040085  Document Type: Article |

|  |  |
| --- | --- |
| 36) | Stognij, A.I., Novitskii, N.N., Ketsko, V.A., Sharko, S.A., Poddubnaya, N.N., Laletin, V.M., Bespalov, A.V., Golikova, O.L., Smirnova, M.N., Fetisov, L.Y., Titova, A.O. [Influence of the state of interfaces on the magnitude of the magnetoelectric effect in Co (Ni) films on PbZr0.45Ti0.55O3 and GaAs substrates](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987896956&origin=resultslist) (2016) *Inorganic Materials*, 52 (10), pp. 1070-1076.   DOI: 10.1134/S0020168516100162  Document Type: Article |

|  |  |
| --- | --- |
| 37) | Boltar, K.O., Burlakov, I.D., Ponomarenko, V.P., Filachev, A.M., Salo, V.V. [Solid-state photoelectronics of the ultraviolet range (Review)](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991808747&origin=resultslist) (2016) *Journal of Communications Technology and Electronics*, 61 (10), pp. 1175-1185.   DOI: 10.1134/S1064226916100041  Document Type: Review |

|  |  |
| --- | --- |
| 38) | Safronova, E.Y., Golubenko, D.V., Shevlyakova, N.V., D'yakova, M.G., Tverskoi, V.A., Dammak, L., Grande, D., Yaroslavtsev, A.B. [New cation-exchange membranes based on cross-linked sulfonated polystyrene and polyethylene for power generation systems](https://www.scopus.com/record/display.uri?eid=2-s2.0-84973495079&origin=resultslist) (2016) *Journal of Membrane Science*, 515, pp. 196-203. Cited 1 time.  DOI: 10.1016/j.memsci.2016.05.006  Document Type: Article |

|  |  |
| --- | --- |
| 39) | Ovchinnikov, A.V., Chefonov, O.V., Agranat, M.B., Grishunin, K.A., Il’in, N.A., Pisarev, R.V., Kimel, A.V., Kalashnikova, A.M. [Optical second harmonic generation induced by picosecond terahertz pulses in centrosymmetric antiferromagnet NiO](https://www.scopus.com/record/display.uri?eid=2-s2.0-85004191373&origin=resultslist) (2016) *JETP Letters*, 104 (7), pp. 441-448.   DOI: 10.1134/S0021364016190085  Document Type: Article |

|  |  |
| --- | --- |
| 40) | Belkin, M., Iakovlev, V. [Microwave-band circuit-level semiconductor laser modeling](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994578204&origin=resultslist) (2016) *Proceedings - EMS 2015: UKSim-AMSS 9th IEEE European Modelling Symposium on Computer Modelling and Simulation*, art. no. 7579866, pp. 443-445.   DOI: 10.1109/EMS.2015.71  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 41) | Magaril-Il’yaev, G.G., Osipenko, K.Y., Sivkova, E.O. [The Best Approximation of a Set Whose Elements Are Known Approximately](https://www.scopus.com/record/display.uri?eid=2-s2.0-84988699174&origin=resultslist) (2016) *Journal of Mathematical Sciences (United States)*, pp. 1-11. Article in Press.   DOI: 10.1007/s10958-016-3047-z  Document Type: Article in Press |

|  |  |
| --- | --- |
| 42) | Lagovsky, B., Samokhin, A., Shestopalov, Y. [Increasing effective angular resolution of measuring systems based on antenna arrays](https://www.scopus.com/record/display.uri?eid=2-s2.0-84992017473&origin=resultslist) (2016) *2016 URSI International Symposium on Electromagnetic Theory, EMTS 2016*, art. no. 7571418, pp. 432-434.   DOI: 10.1109/URSI-EMTS.2016.7571418  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 43) | Samokhin, A.B., Samokhina, A.S. [Fredholm integral equations: Scattering on dielectric structures](https://www.scopus.com/record/display.uri?eid=2-s2.0-84992109056&origin=resultslist) (2016) *2016 URSI International Symposium on Electromagnetic Theory, EMTS 2016*, art. no. 7571439, pp. 509-511.   DOI: 10.1109/URSI-EMTS.2016.7571439  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 44) | Tribelsky, M.I., Geffrin, J.-M., Litman, A., Eyraud, C., Moreno, F. [Directional Fano resonances in light scattering by a high refractive index dielectric sphere](https://www.scopus.com/record/display.uri?eid=2-s2.0-84990950095&origin=resultslist) (2016) *Physical Review B - Condensed Matter and Materials Physics*, 94 (12), art. no. 121110, .   DOI: 10.1103/PhysRevB.94.121110  Document Type: Article |

|  |  |
| --- | --- |
| 45) | Bikorimana, S., Lama, P., Walser, A., Dorsinville, R., Anghel, S., Mitioglu, A., Micu, A., Kulyuk, L. [Nonlinear optical responses in two-dimensional transition metal dichalcogenide multilayer: WS2, WSe2, MoS2 and Mo 0.5 W0.5 S2](https://www.scopus.com/record/display.uri?eid=2-s2.0-84989166285&origin=resultslist) (2016) *Optics Express*, 24 (18), pp. 20685-20695.   DOI: 10.1364/OE.24.020685  Document Type: Article |

|  |  |
| --- | --- |
| 46) | Nenashev, R.N., Kotova, N.M., Vishnevskii, A.S., Vorotilov, K.A. [Effect of the Brij 30 porogen on the properties of sol–gel derived thin polymethylsilsesquioxane films](https://www.scopus.com/record/display.uri?eid=2-s2.0-84981216566&origin=resultslist) (2016) *Inorganic Materials*, 52 (9), pp. 968-972.   DOI: 10.1134/S0020168516090120  Document Type: Article |

|  |  |
| --- | --- |
| 47) | Podgorny, Y., Vorotilov, K., Sigov, A. [Estimation of steady-state leakage current in polycrystalline PZT thin films](https://www.scopus.com/record/display.uri?eid=2-s2.0-84989245375&origin=resultslist) (2016) *AIP Advances*, 6 (9), art. no. 095025, .   DOI: 10.1063/1.4964147  Document Type: Article |

|  |  |
| --- | --- |
| 48) | Abramova, E.N., Khort, A.M., Gvelesiani, A.A., Yakovenko, A.G., Shvets, V.I. [A model of the mechanism of the chemical interaction of the etchant ion (HF2)– with silicon during its electrochemical etching in hydrofluoric acid solutions](https://www.scopus.com/record/display.uri?eid=2-s2.0-84989352455&origin=resultslist) (2016) *Doklady Chemistry*, 470 (1), pp. 252-254.   DOI: 10.1134/S0012500816090044  Document Type: Article |

|  |  |
| --- | --- |
| 49) | Shapiro, B.I., Manulik, E.V. [Multilayers and multichromic aggregates of anionic and cationic cyanine dyes](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991798764&origin=resultslist) (2016) *Nanotechnologies in Russia*, 11 (9-10), pp. 528-534.   DOI: 10.1134/S1995078016050177  Document Type: Article |

|  |  |
| --- | --- |
| 50) | Shapiro, B.I., Manulik, E.V. [Restructuring of the meso-methyl-substituted thiacarbocyanine aggregates in solution: Molecular nanomachines](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991769657&origin=resultslist) (2016) *Nanotechnologies in Russia*, 11 (9-10), pp. 523-527.   DOI: 10.1134/S1995078016050165  Document Type: Article |

|  |  |
| --- | --- |
| 51) | Kozlov, A.A., Abdullaev, S.D., Flid, V.R., Gusev, S.A. [Algorithm and criterion of quality for assessing the packing of polymer microspheres](https://www.scopus.com/record/display.uri?eid=2-s2.0-84982224686&origin=resultslist) (2016) *Russian Journal of Physical Chemistry A*, 90 (9), pp. 1835-1838.   DOI: 10.1134/S0036024416090156  Document Type: Article |

|  |  |
| --- | --- |
| 52) | Zhikov, V.V., Pastukhova, S.E. [On Integral Representation of Γ-Limit Functionals](https://www.scopus.com/record/display.uri?eid=2-s2.0-84982112010&origin=resultslist) (2016) *Journal of Mathematical Sciences (United States)*, 217 (6), pp. 736-750.   DOI: 10.1007/s10958-016-3002-z  Document Type: Article |

|  |  |
| --- | --- |
| 53) | Chernikova, E.V., Plutalova, A.V., Mineeva, K.O., Vishnevetskii, D.V., Lysenko, E.A., Serkhacheva, N.S., Prokopov, N.I. [Ternary copolymers of acrylic acid, N-isopropylacrylamide, and butyl acrylate: Synthesis and aggregative behavior in dilute solutions](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991800830&origin=resultslist) (2016) *Polymer Science - Series B*, 58 (5), pp. 564-573.   DOI: 10.1134/S1560090416050031  Document Type: Article |

|  |  |
| --- | --- |
| 54) | Markov, V.A., Saki, T.A., Markov, A.V. [Effect of relaxation processes during deformation on electrical resistivity of polyethylene composites filled with carbon black](https://www.scopus.com/record/display.uri?eid=2-s2.0-84983605908&origin=resultslist) (2016) *Journal of Polymer Research*, 23 (9), art. no. 191, .   DOI: 10.1007/s10965-016-1088-0  Document Type: Article |

|  |  |
| --- | --- |
| 55) | Berzin, A.A., Morosov, A.I., Sigov, A.S. [A mechanism of long-range order induced by random fields: Effective anisotropy created by defects](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987927023&origin=resultslist) (2016) *Physics of the Solid State*, 58 (9), pp. 1846-1849.   DOI: 10.1134/S1063783416090109  Document Type: Article |

|  |  |
| --- | --- |
| 56) | Mazilin, I.V., Baldaev, L.K., Drobot, D.V., Marchukov, E.Y., Akhmetgareeva, A.M. [Composition and structure of coatings based on rare-earth zirconates](https://www.scopus.com/record/display.uri?eid=2-s2.0-84981266380&origin=resultslist) (2016) *Inorganic Materials*, 52 (9), pp. 939-944.   DOI: 10.1134/S0020168516090119  Document Type: Article |

|  |  |
| --- | --- |
| 57) | Altuhov, V.I., Kasyanenko, I.S., Sankin, A.V., Bilalov, B.A., Sigov, A.S. [Calculation of the Schottky barrier and current–voltage characteristics of metal–alloy structures based on silicon carbide](https://www.scopus.com/record/display.uri?eid=2-s2.0-84986192894&origin=resultslist) (2016) *Semiconductors*, 50 (9), pp. 1168-1172.   DOI: 10.1134/S1063782616090025  Document Type: Article |

|  |  |
| --- | --- |
| 58) | Udod, V.A., Van, Y., Osipov, S.P., Chakhlov, S.V., Usachev, E.Y., Lebedev, M.B., Temnik, A.K. [State-of-the art and development prospects of digital radiography systems for nondestructive testing, evaluation, and inspection of objects: a review](https://www.scopus.com/record/display.uri?eid=2-s2.0-84996593357&origin=resultslist) (2016) *Russian Journal of Nondestructive Testing*, 52 (9), pp. 492-503.   DOI: 10.1134/S1061830916090072  Document Type: Review |

|  |  |
| --- | --- |
| 59) | Kondrat’eva, O.N., Stognii, A.I., Novitskii, N.N., Bespalov, A.V., Golikova, O.L., Nikiforova, G.E., Smirnova, M.N., Ketsko, V.A. [Synthesis specifics of Mg(Fe0.8Ga0.2)2O4 films on GaN](https://www.scopus.com/record/display.uri?eid=2-s2.0-84989808769&origin=resultslist) (2016) *Russian Journal of Inorganic Chemistry*, 61 (9), pp. 1080-1084.   DOI: 10.1134/S0036023616090102  Document Type: Article |

|  |  |
| --- | --- |
| 60) | Yashtulov, N.A., Patrikeev, L.N., Zenchenko, V.O., Lebedeva, M.V., Zaitsev, N.K., Flid, V.R. [Palladium–platinum–porous silicon nanocatalysts for fuel cells with direct formic acid oxidation](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991826623&origin=resultslist) (2016) *Nanotechnologies in Russia*, 11 (9-10), pp. 562-568.   DOI: 10.1134/S1995078016050207  Document Type: Article |

|  |  |
| --- | --- |
| 61) | Musatova, V.Y., Semenov, S.A., Drobot, D.V., Pronin, A.S., Pomogailo, A.D., Dzhardimalieva, G.I., Popenko, V.I. [Synthesis and thermal conversions of unsaturated nickel(II) dicarboxylates as precursors of metallopolymer nanocomposites](https://www.scopus.com/record/display.uri?eid=2-s2.0-84989968281&origin=resultslist) (2016) *Russian Journal of Inorganic Chemistry*, 61 (9), pp. 1111-1124.   DOI: 10.1134/S0036023616090163  Document Type: Article |

|  |  |
| --- | --- |
| 62) | Anghel, S., Chumakov, Yu., Kravtsov, V., Volodina, G., Mitioglu, A., Płochocka, P., Sushkevich, K., Mishina, E., Kulyuk, L. [Site-selective luminescence spectroscopy of bound excitons and local band structure of chlorine intercalated 2H- and 3R-MoS2 polytypes](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969246429&origin=resultslist) (2016) *Journal of Luminescence*, 177, pp. 331-336.   DOI: 10.1016/j.jlumin.2016.05.017  Document Type: Article |

|  |  |
| --- | --- |
| 63) | Shtykova, E.V., Feigin, L.A., Volkov, V.V., Malakhova, Y.N., Streltsov, D.R., Buzin, A.I., Chvalun, S.N., Katarzhanova, E.Y., Ignatieva, G.M., Muzafarov, A.M. [Small-angle x-ray scattering study of polymer structure: Carbosilane dendrimers in hexane solution](https://www.scopus.com/record/display.uri?eid=2-s2.0-84989345392&origin=resultslist) (2016) *Crystallography Reports*, 61 (5), pp. 815-825.   DOI: 10.1134/S1063774516050199  Document Type: Article |

|  |  |
| --- | --- |
| 64) | Ludkowski, S.V. [Octonion Orthocomplemantable Modules](https://www.scopus.com/record/display.uri?eid=2-s2.0-84983752644&origin=resultslist) (2016) *Advances in Applied Clifford Algebras*, pp. 1-16. Article in Press.   DOI: 10.1007/s00006-016-0711-9  Document Type: Article in Press |

|  |  |
| --- | --- |
| 65) | Zverev, M.M., Gamov, N.A., Zhdanova, E.V., Studionov, V.B., Sedova, I.V., Sorokin, S.V., Gronin, S.V., Ivanov, S.V. [ZnSe-based laser array pumped by electron beam with energy below 6 keV](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987893002&origin=resultslist) (2016) *Proceedings - 2016 International Conference Laser Optics, LO 2016*, art. no. 7549752, p. R342.   DOI: 10.1109/LO.2016.7549752  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 66) | Shcherbakov, V.V., Solodkov, A.F., Zadernovsky, A.A. [Dispersive distortions of signals in an analog fiber-optic link with direct intensity modulation](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987866711&origin=resultslist) (2016) *Proceedings - 2016 International Conference Laser Optics, LO 2016*, art. no. 7549891, p. R860.   DOI: 10.1109/LO.2016.7549891  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 67) | Zverev, M.M., Gamov, N.A., Zhdanova, E.V., Studionov, V.B., Sedova, I.V., Sorokin, S.V., Gronin, S.V., Ivanov, S.V., Ladugin, M.A., Padalitsa, A., Mazalov, A.V., Kureshov, V., Marmalyuk, A.A. [Infrared, green, and blue-violet pulsed lasers based on semiconductor structures pumped by low-energy electron beam](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987911758&origin=resultslist) (2016) *Proceedings - 2016 International Conference Laser Optics, LO 2016*, art. no. 7549724, p. R314.   DOI: 10.1109/LO.2016.7549724  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 68) | Zelepukin, I.V., Nikitin, M.P., Nechaev, A.V., Zvyagin, A.V., Nikitin, P.I., Deyev, S.M. [Near infrared luminescent-magnetic nanoparticles for bimodal imaging in vivo](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987927039&origin=resultslist) (2016) *Proceedings - 2016 International Conference Laser Optics, LO 2016*, art. no. 7550011, p. S244.   DOI: 10.1109/LO.2016.7550011  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 69) | Burdin, D., Chashin, D., Ekonomov, N., Fetisov, L., Fetisov, Y., Shamonin, M. [DC magnetic field sensing based on the nonlinear magnetoelectric effect in magnetic heterostructures](https://www.scopus.com/record/display.uri?eid=2-s2.0-84988956921&origin=resultslist) (2016) *Journal of Physics D: Applied Physics*, 49 (37), art. no. 375002, .   DOI: 10.1088/0022-3727/49/37/375002  Document Type: Article |

|  |  |
| --- | --- |
| 70) | Bossini, D., Belotelov, V.I., Zvezdin, A.K., Kalish, A.N., Kimel, A.V. [Magnetoplasmonics and Femtosecond Optomagnetism at the Nanoscale](https://www.scopus.com/record/display.uri?eid=2-s2.0-84983373050&origin=resultslist) (2016) *ACS Photonics*, 3 (8), pp. 1385-1400. Cited 2 times.  DOI: 10.1021/acsphotonics.6b00107  Document Type: Review |

|  |  |
| --- | --- |
| 71) | Mishina, E.D., Buryakov, A.M., Sherstyuk, N.E., Sigov, A.S., Rasing, T. [Nonlinear-optical study of magnetoelectric interactions in multilayer structures](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991508762&origin=resultslist) (2016) *Ferroelectrics*, 500 (1), pp. 37-46.   DOI: 10.1080/00150193.2016.1229107  Document Type: Article |

|  |  |
| --- | --- |
| 72) | Maksimochkin, G.I., Shmeliova, D.V., Pasechnik, S.V., Dubtsov, A.V., Semina, O.A., Kralj, S. [Orientational fluctuations and phase transitions in 8CB confined by cylindrical pores of the PET film](https://www.scopus.com/record/display.uri?eid=2-s2.0-84979017502&origin=resultslist) (2016) *Phase Transitions*, 89 (7-8), pp. 846-855.   DOI: 10.1080/01411594.2016.1199802  Document Type: Article |

|  |  |
| --- | --- |
| 73) | Shtein, M.M., Smekalin, L.F., Stepanov, S.A., Zatonov, I.A., Tkacheva, T.V., Usachev, E.Yu. [Studying radiation hardness of a cadmium tungstate crystal based radiation detector](https://www.scopus.com/record/display.uri?eid=2-s2.0-84995570239&origin=resultslist) (2016) *IOP Conference Series: Materials Science and Engineering*, 135 (1), art. no. 012042, .   DOI: 10.1088/1757-899X/135/1/012042  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 74) | Berenblyum, A.S., Danyushevsky, V.Y., Kuznetsov, P.S., Katsman, E.A., Shamsiev, R.S. [Catalytic methods for the manufacturing of high-production volume chemicals from vegetable oils and fats (review)](https://www.scopus.com/record/display.uri?eid=2-s2.0-84988850502&origin=resultslist) (2016) *Petroleum Chemistry*, 56 (8), pp. 663-671.   DOI: 10.1134/S0965544116080028  Document Type: Review |

|  |  |
| --- | --- |
| 75) | Berzin, A.A., Morosov, A.I., Sigov, A.S. [Anisotropy induced by impurities of “random local field” type in O(n) models and suppression of the Imry–Ma inhomogeneous state](https://www.scopus.com/record/display.uri?eid=2-s2.0-84982289367&origin=resultslist) (2016) *Physics of the Solid State*, 58 (8), pp. 1671-1674. Cited 2 times.  DOI: 10.1134/S1063783416080059  Document Type: Article |

|  |  |
| --- | --- |
| 76) | Charkin, O.P., Klimenko, N.M. [Theoretical study of isomerism in nitrogen- and phosphorus-substituted aluminum clusters M6Al38 and M12Al32 (M = N, P)](https://www.scopus.com/record/display.uri?eid=2-s2.0-84981736923&origin=resultslist) (2016) *Russian Journal of Inorganic Chemistry*, 61 (8), pp. 993-1002.   DOI: 10.1134/S0036023616080040  Document Type: Article |

|  |  |
| --- | --- |
| 77) | Lukin, A., Bagnyukova, D., Zhurilo, N., Krasavin, M. [Gram-scale synthesis of a novel core building block for the new GPR40 agonist design](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994876197&origin=resultslist) (2016) *Letters in Organic Chemistry*, 13 (7), pp. 491-495. Cited 1 time.  DOI: 10.2174/1570178613666160805115331  Document Type: Article |

|  |  |
| --- | --- |
| 78) | Mazilin, I.V., Baldaev, L.K., Drobot, D.V., Marchukov, E.Y., Zaitsev, N.G. [Phase composition and thermal conductivity of zirconia-based thermal barrier coatings](https://www.scopus.com/record/display.uri?eid=2-s2.0-84978288349&origin=resultslist) (2016) *Inorganic Materials*, 52 (8), pp. 802-810.   DOI: 10.1134/S0020168516080124  Document Type: Article |

|  |  |
| --- | --- |
| 79) | Smirnov, M.S., Ovchinnikov, O.V., Dedikova, A.O., Shapiro, B.I., Vitukhnovsky, A.G., Shatskikh, T.S. [Luminescence properties of hybrid associates of colloidal CdS quantum dots with J-aggregates of thiatrimethine cyanine dye](https://www.scopus.com/record/display.uri?eid=2-s2.0-84977677290&origin=resultslist) (2016) *Journal of Luminescence*, 176, pp. 77-85. Cited 4 times.  DOI: 10.1016/j.jlumin.2016.03.015  Document Type: Article |

|  |  |
| --- | --- |
| 80) | Lukin, A., Bagnyukova, D., Kalinchenkova, N., Zhurilo, N., Krasavin, M. [Spirocyclic amino alcohol building blocks prepared via a Prins-type cyclization in aqueous sulfuric acid](https://www.scopus.com/record/display.uri?eid=2-s2.0-84976891128&origin=resultslist) (2016) *Tetrahedron Letters*, 57 (30), pp. 3311-3314. Cited 3 times.  DOI: 10.1016/j.tetlet.2016.06.054  Document Type: Article |

|  |  |
| --- | --- |
| 81) | Sundeev, R.V., Glezer, A.M., Shalimova, A.V. [Are the abilities of crystalline alloys to amorphization upon melt quenching and severe plastic deformation identical or different?](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962809916&origin=resultslist) (2016) *Materials Letters*, 175, pp. 72-74.   DOI: 10.1016/j.matlet.2016.03.145  Document Type: Article |

|  |  |
| --- | --- |
| 82) | Pastukhova, S.E. [Estimates in homogenization of higher-order elliptic operators](https://www.scopus.com/record/display.uri?eid=2-s2.0-84973643919&origin=resultslist) (2016) *Applicable Analysis*, 95 (7), pp. 1449-1466.   DOI: 10.1080/00036811.2016.1151495  Document Type: Article |

|  |  |
| --- | --- |
| 83) | Kuleznev, V.N., Ivanov, M.S. [Stepwise creep in polyethylenes of trademarked pipes in the premelting temperature mode](https://www.scopus.com/record/display.uri?eid=2-s2.0-84979220921&origin=resultslist) (2016) *Polymer Science - Series A*, 58 (4), pp. 517-524.   DOI: 10.1134/S0965545X16040076  Document Type: Article |

|  |  |
| --- | --- |
| 84) | Krutov, V.V., Sigov, A.S., Shchuka, A.A. [Formation of micro- and nanodomain structures in ferroelectric films by interfering hypersound](https://www.scopus.com/record/display.uri?eid=2-s2.0-84980360851&origin=resultslist) (2016) *Doklady Physics*, 61 (7), pp. 332-334.   DOI: 10.1134/S1028335816070077  Document Type: Article |

|  |  |
| --- | --- |
| 85) | Shevelev, V.V. [Stochastic Model of Heat Conduction with Stochastic Boundary Conditions](https://www.scopus.com/record/display.uri?eid=2-s2.0-84982262053&origin=resultslist) (2016) *Journal of Engineering Physics and Thermophysics*, 89 (4), pp. 965-974.   DOI: 10.1007/s10891-016-1459-8  Document Type: Article |

|  |  |
| --- | --- |
| 86) | Senchikhin, I.N., Uryupina, O.Y., Zhavoronok, E.S., Vysotskii, V.V., Roldughin, V.I. [Novel nanocomposites based on silver nanoparticles and mixed epoxyamine networks](https://www.scopus.com/record/display.uri?eid=2-s2.0-84978628160&origin=resultslist) (2016) *Colloid Journal*, 78 (4), pp. 505-508.   DOI: 10.1134/S1061933X16040141  Document Type: Article |

|  |  |
| --- | --- |
| 87) | Sidorkina, Y.A., Sizykh, V.V., Shakhtarin, B.I., Shevtsev, V.A. [Costas circuit under the action of additive harmonic interferences and wideband noise](https://www.scopus.com/record/display.uri?eid=2-s2.0-84979248843&origin=resultslist) (2016) *Journal of Communications Technology and Electronics*, 61 (7), pp. 807-816. Cited 1 time.  DOI: 10.1134/S106422691607010X  Document Type: Article |

|  |  |
| --- | --- |
| 88) | Pastukhova, S.E., Tikhomirov, R.N. [Error Estimates of Homogenization in the Neumann Boundary Problem for an Elliptic Equation with Multiscale Coefficients](https://www.scopus.com/record/display.uri?eid=2-s2.0-84976634257&origin=resultslist) (2016) *Journal of Mathematical Sciences (United States)*, 216 (2), pp. 325-344.   DOI: 10.1007/s10958-016-2903-1  Document Type: Article |

|  |  |
| --- | --- |
| 89) | Sulimov, A.V., Danov, S.M., Ovcharova, A.V., Ovcharov, A.A., Flid, V.R. [Kinetics of propylene epoxidation with hydrogen peroxide catalyzed by extruded titanium silicalite in methanol](https://www.scopus.com/record/display.uri?eid=2-s2.0-84980002170&origin=resultslist) (2016) *Kinetics and Catalysis*, 57 (4), pp. 466-473.   DOI: 10.1134/S0023158416040121  Document Type: Article |

|  |  |
| --- | --- |
| 90) | Zhikov, V.V., Pastukhova, S.E. [On the convergence of bloch eigenfunctions in homogenization problems](https://www.scopus.com/record/display.uri?eid=2-s2.0-84988432811&origin=resultslist) (2016) *Functional Analysis and its Applications*, 50 (3), pp. 204-218.   DOI: 10.1007/s10688-016-0148-x  Document Type: Article |

|  |  |
| --- | --- |
| 91) | Terent'ev, A.O., Pastukhova, Z.Y., Yaremenko, I.A., Bruk, L.G., Nikishin, G.I. [Promising hydrogen peroxide stabilizers for large-scale application: unprecedented effect of aryl alkyl ketones](https://www.scopus.com/record/display.uri?eid=2-s2.0-84982678224&origin=resultslist) (2016) *Mendeleev Communications*, 26 (4), pp. 329-331.   DOI: 10.1016/j.mencom.2016.07.021  Document Type: Article |

|  |  |
| --- | --- |
| 92) | Dolgoleva, G.V., Lebo, A.I., Lebo, I.G. [Simulation of a thermonuclear target drive at the 1 MJ laser energy level](https://www.scopus.com/record/display.uri?eid=2-s2.0-84978492655&origin=resultslist) (2016) *Mathematical Models and Computer Simulations*, 8 (4), pp. 438-445.   DOI: 10.1134/S2070048216040062  Document Type: Article |

|  |  |
| --- | --- |
| 93) | Brevnov, P.N., Zabolotnov, A.S., Krasheninnikov, V.G., Pokid’ko, B.V., Bakirov, A.V., Babkina, O.N., Novokshonova, L.A. [Catalytic activation of layered silicates for the synthesis of nanocomposite materials based on ultra-high molecular weight polyethylene](https://www.scopus.com/record/display.uri?eid=2-s2.0-84980023436&origin=resultslist) (2016) *Kinetics and Catalysis*, 57 (4), pp. 482-489.   DOI: 10.1134/S0023158416030010  Document Type: Article |

|  |  |
| --- | --- |
| 94) | Olkhov, A.A., Pankova, Y.N., Goldshtrakh, M.A., Kosenko, R.Y., Markin, V.S., Ischenko, A.A., Iordanskiy, A.L. [Structure and properties of films based on blends of polyamide–polyhydroxybutyrate](https://www.scopus.com/record/display.uri?eid=2-s2.0-84980347618&origin=resultslist) (2016) *Inorganic Materials: Applied Research*, 7 (4), pp. 471-477.   DOI: 10.1134/S2075113316040249  Document Type: Article |

|  |  |
| --- | --- |
| 95) | Surnina, M.A., Akchurin, R.K., Marmalyuk, A.A., Bagaev, T.A., Sizov, A.L. [Growing InAs/GaAs quantum dots by droplet epitaxy under MOVPE conditions](https://www.scopus.com/record/display.uri?eid=2-s2.0-84981715331&origin=resultslist) (2016) *Technical Physics Letters*, 42 (7), pp. 747-749.   DOI: 10.1134/S1063785016070294  Document Type: Article |

|  |  |
| --- | --- |
| 96) | Tribelsky, M.I., Fukumoto, Y. [Laser heating of dielectric particles for medical and biological applications](https://www.scopus.com/record/display.uri?eid=2-s2.0-84977079494&origin=resultslist) (2016) *Biomedical Optics Express*, 7 (7), art. no. 263677, pp. 2781-2788. Cited 1 time.  DOI: 10.1364/BOE.7.002781  Document Type: Article |

|  |  |
| --- | --- |
| 97) | Altukhov, A.A., Teplova, T.B., L’vov, S.A., Gladchenkov, E.V., Afanas’ev, S.A. [Monitoring the yield of a borehole neutron generator](https://www.scopus.com/record/display.uri?eid=2-s2.0-84982291524&origin=resultslist) (2016) *Russian Engineering Research*, 36 (7), pp. 607-610.   DOI: 10.3103/S1068798X16070030  Document Type: Article |

|  |  |
| --- | --- |
| 98) | Fursova, A.Z., Rumyantseva, Y.V., Kolosova, N.G., Kedik, S.A., Panov, A.V., Tyukova, V.S. [Disulfiram inhibits cataract development in OXYS rats](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987761993&origin=resultslist) (2016) *Advances in Gerontology*, 6 (3), pp. 212-216.   DOI: 10.1134/S207905701603005X  Document Type: Article |

|  |  |
| --- | --- |
| 99) | Krasavin, M., Lukin, A., Zhurilo, N., Kovalenko, A., Zahanich, I., Zozulya, S., Moore, D., Tikhonova, I.G. [Novel free fatty acid receptor 1 (GPR40) agonists based on 1,3,4-thiadiazole-2-carboxamide scaffold](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971655998&origin=resultslist) (2016) *Bioorganic and Medicinal Chemistry*, 24 (13), pp. 2954-2963. Cited 2 times.  DOI: 10.1016/j.bmc.2016.04.065  Document Type: Article |

|  |  |
| --- | --- |
| 100) | Terent'Ev, A.O., Pastukhova, Z.Y., Yaremenko, I.A., Novikov, R.A., Demchuk, D.V., Bruk, L.G., Levitsky, D.O., Fleury, F., Nikishin, G.I. [Selective transformation of tricyclic peroxides with pronounced antischistosomal activity into 2-hydroxy-1,5-diketones using iron (II) salts](https://www.scopus.com/record/display.uri?eid=2-s2.0-84965175034&origin=resultslist) (2016) *Tetrahedron*, 72 (24), pp. 3421-3426.   DOI: 10.1016/j.tet.2016.04.054  Document Type: Article |

|  |  |
| --- | --- |
| 101) | Rogachev, S.O., Sundeev, R.V., Khatkevich, V.M.  [Evolution of the structure and strength of steel/vanadium alloy/steel hybrid material during severe plastic deformation](https://www.scopus.com/record/display.uri?eid=2-s2.0-84960383658&origin=resultslist) (2016) *Materials Letters*, 173, pp. 123-126. Cited 1 time.  DOI: 10.1016/j.matlet.2016.03.044  Document Type: Article |

|  |  |
| --- | --- |
| 102) | Gorshenin, A.K., Kuzmin, V.Y. [On an interface of the online system for a stochastic analysis of the varied information flows](https://www.scopus.com/record/display.uri?eid=2-s2.0-84984592135&origin=resultslist) (2016) *AIP Conference Proceedings*, 1738, art. no. 220009, .   DOI: 10.1063/1.4952008  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 103) | Nenashev, R.N., Kotova, N.M., Vishnevskii, A.S., Vorotilov, K.A. [Effect of methyltrimethoxysilane hydrolysis and condensation conditions on the properties of thin polymethylsilsesquioxane films](https://www.scopus.com/record/display.uri?eid=2-s2.0-84979530114&origin=resultslist) (2016) *Inorganic Materials*, 52 (6), pp. 625-629. Cited 1 time.  DOI: 10.1134/S0020168516060108  Document Type: Article |

|  |  |
| --- | --- |
| 104) | Zaitsev, A.B. [On Univalence of Solutions of Second-Order Elliptic Equations in the Unit Disk on the Plane](https://www.scopus.com/record/display.uri?eid=2-s2.0-84965032101&origin=resultslist) (2016) *Journal of Mathematical Sciences (United States)*, 215 (5), pp. 601-607.   DOI: 10.1007/s10958-016-2866-2  Document Type: Article |

|  |  |
| --- | --- |
| 105) | Zhuchkov, V.I., Pokid’ko, B.V., Frolkova, A.K. [Formation of the layering boundary in the water–benzene–perfluorobenzene system](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971624362&origin=resultslist) (2016) *Russian Journal of Physical Chemistry A*, 90 (6), pp. 1115-1119.   DOI: 10.1134/S0036024416060339  Document Type: Article |

|  |  |
| --- | --- |
| 106) | Elshin, A.S., Abdullaev, D.A., Mishina, E.D. [Dependence of the optimum parameters of femtosecond laser annealing of lead zirconate titanate films on their thickness](https://www.scopus.com/record/display.uri?eid=2-s2.0-84975842549&origin=resultslist) (2016) *Physics of the Solid State*, 58 (6), pp. 1154-1159.   DOI: 10.1134/S1063783416060147  Document Type: Article |

|  |  |
| --- | --- |
| 107) | Ianutsevich, E.A., Danilova, O.A., Groza, N.V., Kotlova, E.R., Tereshina, V.M. [Heat shock response of thermophilic fungi: Membrane lipids and soluble carbohydrates under elevated temperatures](https://www.scopus.com/record/display.uri?eid=2-s2.0-84977144615&origin=resultslist) (2016) *Microbiology (United Kingdom)*, 162 (6), art. no. 000279, pp. 989-999.   DOI: 10.1099/mic.0.000279  Document Type: Article |

|  |  |
| --- | --- |
| 108) | Bogachev, N.N., Bogdanevich, I.L., Gusein-Zade, N.G. [Operation modes and signal spectra of plasma asymmetrical dipole antenna](https://www.scopus.com/record/display.uri?eid=2-s2.0-84979220884&origin=resultslist) (2016) *2016 10th European Conference on Antennas and Propagation, EuCAP 2016*, art. no. 7481512, .   DOI: 10.1109/EuCAP.2016.7481512  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 109) | Tribelsky, M.I., Miroshnichenko, A.E. [Giant in-particle field concentration and Fano resonances at light scattering by high-refractive-index particles](https://www.scopus.com/record/display.uri?eid=2-s2.0-84973458169&origin=resultslist) (2016) *Physical Review A - Atomic, Molecular, and Optical Physics*, 93 (5), art. no. 053837, . Cited 5 times.  DOI: 10.1103/PhysRevA.93.053837  Document Type: Article |

|  |  |
| --- | --- |
| 110) | Taran, A.L., Ostanina, O.I., Taran, A.V., Bespalova, V.O. [Analysis of the National and Foreign Quality Requirements for Basic Mineral Nitrogenous Fertilizers, and Technical Solutions for Improving Their Quality](https://www.scopus.com/record/display.uri?eid=2-s2.0-84970004951&origin=resultslist) (2016) *Chemical and Petroleum Engineering*, pp. 1-5. Article in Press.   DOI: 10.1007/s10556-016-0138-0  Document Type: Article in Press |

|  |  |
| --- | --- |
| 111) | Fetisov, Y.K., Serov, V.N., Fetisov, L.Y., Makovkin, S.A., Viehland, D., Srinivasan, G. [A magnetoelectric composite based signal generator](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971570047&origin=resultslist) (2016) *Applied Physics Letters*, 108 (21), art. no. 213502, . Cited 1 time.  DOI: 10.1063/1.4952768  Document Type: Article |

|  |  |
| --- | --- |
| 112) | Olkhov, A.A., Tyubaeva, P.M., Staroverova, O.V., Mastalygina, E.E., Popov, A.A., Ischenko, A.A., Iordanskii, A.L. [Process optimization electrospinning fibrous material based ?n polyhydroxybutyrate](https://www.scopus.com/record/display.uri?eid=2-s2.0-84984586111&origin=resultslist) (2016) *AIP Conference Proceedings*, 1736, art. no. 4949673, .   DOI: 10.1063/1.4949673  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 113) | Shapiro, B.I., Manulik, E.V. [Multichromic J-aggregates of cyanine dyes for visible and IR range of spectrum](https://www.scopus.com/record/display.uri?eid=2-s2.0-84976313434&origin=resultslist) (2016) *Nanotechnologies in Russia*, 11 (5-6), pp. 273-279. Cited 1 time.  DOI: 10.1134/S1995078016030162  Document Type: Article |

|  |  |
| --- | --- |
| 114) | Budanova, U.A., Shchelik, I.S., Koloskova, O.O., Sebyakin, Y.L. [Multivalent glycoconjugate as the vector of target delivery of bioactive compounds](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969917075&origin=resultslist) (2016) *Mendeleev Communications*, 26 (3), pp. 205-206.   DOI: 10.1016/j.mencom.2016.04.008  Document Type: Article |

|  |  |
| --- | --- |
| 115) | Sazonova, A.Y., Raeva, V.M., Frolkova, A.K. [Design of extractive distillation process with mixed entrainer](https://www.scopus.com/record/display.uri?eid=2-s2.0-84959226734&origin=resultslist) (2016) *Chemical Papers*, 70 (5), pp. 594-601.   DOI: 10.1515/chempap-2015-0247  Document Type: Article |

|  |  |
| --- | --- |
| 116) | Bruk, L.G., Temkin, O.N. [Conjugate reactions: New potentials of an old idea](https://www.scopus.com/record/display.uri?eid=2-s2.0-84975683699&origin=resultslist) (2016) *Kinetics and Catalysis*, 57 (3), pp. 277-296.   DOI: 10.1134/S0023158416030022  Document Type: Article |

|  |  |
| --- | --- |
| 117) | Popov, V.A., Shelekhov, E.V., Vershinina, E.V. [Influence of Reinforcing Nonagglomerated Nanodiamond Particles on Metal Matrix Nanocomposite Structure Stability in the Course of Heating](https://www.scopus.com/record/display.uri?eid=2-s2.0-84952685536&origin=resultslist) (2016) *European Journal of Inorganic Chemistry*, 2016 (13-14), pp. 2122-2124.   DOI: 10.1002/ejic.201501149  Document Type: Article |

|  |  |
| --- | --- |
| 118) | Kudryavtsev, A.V., Mishina, E.D., Sigov, A.S. [Nonlinear Optical Properties of Triphenylalanine-based Peptide Nanostructures](https://www.scopus.com/record/display.uri?eid=2-s2.0-84966355897&origin=resultslist) (2016) *Russian Physics Journal*, 59 (1), pp. 8-15.   DOI: 10.1007/s11182-016-0732-9  Document Type: Article |

|  |  |
| --- | --- |
| 119) | Ianutsevich, E.A., Danilova, O.A., Groza, N.V., Tereshina, V.M. [Membrane lipids and cytosol carbohydrates in Aspergillus niger under osmotic, oxidative, and cold impact](https://www.scopus.com/record/display.uri?eid=2-s2.0-84975480571&origin=resultslist) (2016) *Microbiology (Russian Federation)*, 85 (3), pp. 302-310.   DOI: 10.1134/S0026261716030152  Document Type: Article |

|  |  |
| --- | --- |
| 120) | Charkin, O.P., Klimenko, N.M. [Theoretical study of isomerism of carbonand silicon-substituted aluminum clusters M6Al38 and M12Al32](https://www.scopus.com/record/display.uri?eid=2-s2.0-84975763768&origin=resultslist) (2016) *Russian Journal of Inorganic Chemistry*, 61 (5), pp. 594-603.   DOI: 10.1134/S0036023616050041  Document Type: Article |

|  |  |
| --- | --- |
| 121) | Shapiro, B.I., Manulik, E.V., Prokhorov, V.V. [Multilayer J-aggregates of cyanine dyes](https://www.scopus.com/record/display.uri?eid=2-s2.0-84976293046&origin=resultslist) (2016) *Nanotechnologies in Russia*, 11 (5-6), pp. 265-272. Cited 1 time.  DOI: 10.1134/S1995078016030150  Document Type: Article |

|  |  |
| --- | --- |
| 122) | Afanas’ev, V.P., Vorotilov, K.A., Mukhin, N.V. [Effect of the synthesis conditions on the properties of polycrystalline films of lead zirconate titanate of nonstoichiometric composition](https://www.scopus.com/record/display.uri?eid=2-s2.0-84975468045&origin=resultslist) (2016) *Glass Physics and Chemistry*, 42 (3), pp. 295-301.   DOI: 10.1134/S1087659616030020  Document Type: Article |

|  |  |
| --- | --- |
| 123) | Koloskova, O.O., Nikonova, A.A., Budanova, U.A., Shilovskiy, I.P., Kofiadi, I.A., Ivanov, A.V., Smirnova, O.A., Zverev, V.V., Sebaykin, Y.L., Andreev, S.M., Khaitov, M.R. [Synthesis and evaluation of novel lipopeptide as a vehicle for efficient gene delivery and gene silencing](https://www.scopus.com/record/display.uri?eid=2-s2.0-84960958118&origin=resultslist) (2016) *European Journal of Pharmaceutics and Biopharmaceutics*, 102, pp. 159-167.   DOI: 10.1016/j.ejpb.2016.03.014  Document Type: Article |

|  |  |
| --- | --- |
| 124) | Rudobashta, S.P., Kosheleva, M.K., Kartashov, É.M. [Mathematical Simulation of the Extraction of a Blending Agent from Cylindrical Bodies in the Semicontinuous Regime](https://www.scopus.com/record/display.uri?eid=2-s2.0-84974663155&origin=resultslist) (2016) *Journal of Engineering Physics and Thermophysics*, 89 (3), pp. 606-613.   DOI: 10.1007/s10891-016-1417-5  Document Type: Article |

|  |  |
| --- | --- |
| 125) | Alasadi, R.T., Razenko, I.O., Burakov, V.V., Proshin, A.N., Serova, T.M., Kuznetsov, A.I. [Synthesis of diazahomoadamantanones thiosemicarbazones](https://www.scopus.com/record/display.uri?eid=2-s2.0-84975687757&origin=resultslist) (2016) *Russian Journal of Organic Chemistry*, 52 (5), pp. 740-744.   DOI: 10.1134/S1070428016050213  Document Type: Article |

|  |  |
| --- | --- |
| 126) | Chudinov, M.V., Matveev, A.V., Prutkov, A.N., Konstantinova, I.D., Fateev, I.V., Prasolov, V.S., Smirnova, O.A., Ivanov, A.V., Galegov, G.A., Deryabin, P.G. [Novel 5-alkyl(aryl)-substituted ribavirine analogues: Synthesis and antiviral evaluation](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969919802&origin=resultslist) (2016) *Mendeleev Communications*, 26 (3), pp. 214-216.   DOI: 10.1016/j.mencom.2016.04.012  Document Type: Article |

|  |  |
| --- | --- |
| 127) | Kozakov, A.T., Kochur, A.G., Torgashev, V.I., Googlev, K.A., Kubrin, S.P., Trotsenko, V.G., Bush, A.A., Nikolskii, A.V. [Bi1-xCaxFeO3-δ (0 ≤ x ≤ 1) ceramics: Crystal structure, phase and elemental composition, and chemical bonding from X-ray diffraction, Raman scattering, Mössbauer, and X-ray photoelectron spectra](https://www.scopus.com/record/display.uri?eid=2-s2.0-84954157354&origin=resultslist) (2016) *Journal of Alloys and Compounds*, 664, pp. 392-405. Cited 1 time.  DOI: 10.1016/j.jallcom.2015.12.241  Document Type: Article |

|  |  |
| --- | --- |
| 128) | Vasiliev, V.G., Sheremetyeva, N.A., Buzin, M.I., Turenko, D.V., Papkov, V.S., Klepikov, I.A., Razumovskaya, I.V., Muzafarov, A.M., Kramarenko, E.Y. [Magnetorheological fluids based on a hyperbranched polycarbosilane matrix and iron microparticles](https://www.scopus.com/record/display.uri?eid=2-s2.0-84966447547&origin=resultslist) (2016) *Smart Materials and Structures*, 25 (5), art. no. 055016, . Cited 1 time.  DOI: 10.1088/0964-1726/25/5/055016  Document Type: Article |

|  |  |
| --- | --- |
| 129) | Kovalenko, A.N. [Electrodynamic analysis and synthesis of shielded coupled microstrip lines](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962173649&origin=resultslist) (2016) *Radiophysics and Quantum Electronics*, 58 (10), pp. 798-803.   DOI: 10.1007/s11141-016-9653-2  Document Type: Article |

|  |  |
| --- | --- |
| 130) | Finkelshtein, E.I., Morozova, T.A., Shamsiev, R.S., Belozertseva, E.A., Katsman, E.A. [Self association of α-tocopherol in solutions. Infrared absorption and theoretical study](https://www.scopus.com/record/display.uri?eid=2-s2.0-84953425813&origin=resultslist) (2016) *Journal of Molecular Structure*, 1109, pp. 74-81.   DOI: 10.1016/j.molstruc.2015.12.077  Document Type: Article |

|  |  |
| --- | --- |
| 131) | Éminov, P.A. [Influence of Spin on the Dispersion of a Massive Dirac Neutrino in a Magnetized Plasma](https://www.scopus.com/record/display.uri?eid=2-s2.0-84964523893&origin=resultslist) (2016) *Russian Physics Journal*, 58 (12), pp. 1826-1833.   DOI: 10.1007/s11182-016-0723-x  Document Type: Article |

|  |  |
| --- | --- |
| 132) | Sulimov, A.V., Danov, S.M., Ovcharova, A.V., Ovcharov, A.A., Flid, V.R. [Studying the effect of process parameters on the epoxidation of propylene in a methanol medium in the presence of extruded titanium silicate](https://www.scopus.com/record/display.uri?eid=2-s2.0-84983036496&origin=resultslist) (2016) *Catalysis in Industry*, 8 (2), pp. 116-120.   DOI: 10.1134/S2070050416020124  Document Type: Article |

|  |  |
| --- | --- |
| 133) | Yurasov, A.N., Telegin, A.V., Sukhorukov, Y.P. [Model of the magnetorefractive effect in manganites within the effective medium theory](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969964475&origin=resultslist) (2016) *Physics of the Solid State*, 58 (4), pp. 674-677.   DOI: 10.1134/S1063783416040326  Document Type: Article |

|  |  |
| --- | --- |
| 134) | Sokolik, V.N., Gizatullin, S.F., Raigorodskii, I.M., Kopylov, V.M., Salikhov, T.R. [Synthesis and studies of benzoxazinesiloxanes](https://www.scopus.com/record/display.uri?eid=2-s2.0-85008474099&origin=resultslist) (2016) *Russian Chemical Bulletin*, 65 (4), pp. 1027-1033.   DOI: 10.1007/s11172-016-1408-x  Document Type: Article |

|  |  |
| --- | --- |
| 135) | Morgacheva, A.A., Artyukhov, A.A., Flegontov, P.A., Zhavoronok, E.S., Shtilman, M.I., Panov, A.V., Mezhuev, Y.O. [New methacrylate-containing derivatives of hydroxyethyl starch](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971641686&origin=resultslist) (2016) *Russian Journal of General Chemistry*, 86 (4), pp. 885-889.   DOI: 10.1134/S1070363216040204  Document Type: Article |

|  |  |
| --- | --- |
| 136) | Zhikov, V.V., Pastukhova, S.E. [Bloch principle for elliptic differential operators with periodic coefficients](https://www.scopus.com/record/display.uri?eid=2-s2.0-84976448999&origin=resultslist) (2016) *Russian Journal of Mathematical Physics*, 23 (2), pp. 257-277. Cited 2 times.  DOI: 10.1134/S1061920816020114  Document Type: Article |

|  |  |
| --- | --- |
| 137) | Tarasenkov, A.N., Vasil´ev, V.G., Buzin, M.I., Getmanova, E.V., Pak, G.G., Kramarenko, E.Y., Muzafarov, A.M. [Rheological properties of sulfur-containing hyperbranched polycarbosilanes and related magnetic compositions](https://www.scopus.com/record/display.uri?eid=2-s2.0-85008697708&origin=resultslist) (2016) *Russian Chemical Bulletin*, 65 (4), pp. 1086-1096.   DOI: 10.1007/s11172-016-1417-9  Document Type: Article |

|  |  |
| --- | --- |
| 138) | Rocheva, V.V., Khochenkov, D.A., Generalova, A.N., Nechaev, A.V., Semchishen, V.A., Stepanova, E.V., Sokolov, V.I., Khaydukov, E.V., Panchenko, V.Y. [Upconversion nanoparticles for tumor imaging with near-infrared radiation](https://www.scopus.com/record/display.uri?eid=2-s2.0-84973904878&origin=resultslist) (2016) *Bulletin of the Russian Academy of Sciences: Physics*, 80 (4), pp. 467-470.   DOI: 10.3103/S1062873816040274  Document Type: Article |

|  |  |
| --- | --- |
| 139) | Iselev, A.P.K., Plachenov, A.B. [Laplace-Gauss and Helmholtz-Gauss paraxial modes in media with quadratic refraction index](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962393947&origin=resultslist) (2016) *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, 33 (4), pp. 663-666.   DOI: 10.1364/JOSAA.33.000663  Document Type: Article |

|  |  |
| --- | --- |
| 140) | Tuyakova, F.T., Obraztsova, E.A., Ismagilov, R.R. [Single-crystal diamond pyramids: Synthesis and application for atomic force microscopy](https://www.scopus.com/record/display.uri?eid=2-s2.0-84948783907&origin=resultslist) (2016) *Journal of Nanophotonics*, 10 (1), art. no. 012517, . Cited 3 times.  DOI: 10.1117/1.JNP.10.012517  Document Type: Article |

|  |  |
| --- | --- |
| 141) | Zhukov, D., Samoylo, I., Brooks, J.W., Hodges, V. [Structural and Percolation Models of Intelligence: To the Question of the Reduction of the Neural Network](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969716610&origin=resultslist) (2016) *Emerging Trends in Applications and Infrastructures for Computational Biology, Bioinformatics, and Systems Biology: Systems and Applications*, pp. 333-340.   DOI: 10.1016/B978-0-12-804203-8.00023-7  Document Type: Book Chapter |

|  |  |
| --- | --- |
| 142) | Harb, M., Enquist, H., Jurgilaitis, A., Tuyakova, F.T., Obraztsov, A.N., Larsson, J. [Phonon-phonon interactions in photoexcited graphite studied by ultrafast electron diffraction](https://www.scopus.com/record/display.uri?eid=2-s2.0-84960871954&origin=resultslist) (2016) *Physical Review B - Condensed Matter and Materials Physics*, 93 (10), art. no. 104104, .   DOI: 10.1103/PhysRevB.93.104104  Document Type: Article |

|  |  |
| --- | --- |
| 143) | Makin, A.S. [On the absence of the basis property for the root function system of the Sturm–Liouville operator with degenerate boundary conditions](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971577978&origin=resultslist) (2016) *Doklady Mathematics*, 93 (2), pp. 220-222.   DOI: 10.1134/S1064562416020290  Document Type: Article |

|  |  |
| --- | --- |
| 144) | Sebyakin, A.Y., Frolkova, A.K. [Structure of the phase diagram of the 2-methyl-1,3-butadiene–2-methyl-2-butene–acetonitrile–water system](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969800843&origin=resultslist) (2016) *Theoretical Foundations of Chemical Engineering*, 50 (2), pp. 201-208.   DOI: 10.1134/S0040579516020093  Document Type: Article |

|  |  |
| --- | --- |
| 145) | Abramova, E.N., Khort, A.M., Tsygankov, V.N., Yakovenko, A.G., Shvets, V.I. [The role of the etchant ion in the formation and growth of pores in silicon during its etching in hydrofluoric acid solutions](https://www.scopus.com/record/display.uri?eid=2-s2.0-84970951412&origin=resultslist) (2016) *Doklady Chemistry*, 467 (1), pp. 61-63.   DOI: 10.1134/S0012500816030010  Document Type: Article |

|  |  |
| --- | --- |
| 146) | Abdullaev, S.D., Kozlov, A.A., Flid, V.R., Gritskova, I.A. [Synthesis and properties of the ordered structures of polymer microspheres](https://www.scopus.com/record/display.uri?eid=2-s2.0-85006850596&origin=resultslist) (2016) *Russian Chemical Bulletin*, 65 (3), pp. 756-758.   DOI: 10.1007/s11172-016-1369-0  Document Type: Article |

|  |  |
| --- | --- |
| 147) | Sandulyak, A., Sandulyak, A., Belgacem, F.B.M., Kiselev, D. [Special solutions for magnetic separation problems using force and energy conditions for ferro-particles capture](https://www.scopus.com/record/display.uri?eid=2-s2.0-84946594760&origin=resultslist) (2016) *Journal of Magnetism and Magnetic Materials*, 401, pp. 902-905.   DOI: 10.1016/j.jmmm.2015.10.108  Document Type: Article |

|  |  |
| --- | --- |
| 148) | Budanova, U.A., Marusova, V.V., Sebyakin, Y.L. [Properties and transfection activity of cationic dimeric amphiphiles based on amino acids](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962138817&origin=resultslist) (2016) *Mendeleev Communications*, 26 (2), pp. 101-102. Cited 3 times.  DOI: 10.1016/j.mencom.2016.03.004  Document Type: Article |

|  |  |
| --- | --- |
| 149) | Khudak, Y.I. [Composite electromagnetic waves in magnetodielectric systems](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971572329&origin=resultslist) (2016) *Doklady Mathematics*, 93 (2), pp. 227-230.   DOI: 10.1134/S1064562416020083  Document Type: Article |

|  |  |
| --- | --- |
| 150) | Simonov-Emel’yanov, I.D., Apeksimov, N.V., Kochergina, L.M., Bilichenko, Y.V., Kireev, V.V., Brigadnov, K.A., Sirotin, I.S., Filatov, S.N. [Rheological and rheokinetic properties of phosphazene-containing epoxy oligomers](https://www.scopus.com/record/display.uri?eid=2-s2.0-84979501939&origin=resultslist) (2016) *Polymer Science - Series B*, 58 (2), pp. 168-172.   DOI: 10.1134/S1560090416020093  Document Type: Article |

|  |  |
| --- | --- |
| 151) | Bykov, V.I., Serafimov, L.A., Tsybenova, S.B. [Critical slowdown of transitional processes in an isothermal perfect-mixing flow reactor](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969785616&origin=resultslist) (2016) *Theoretical Foundations of Chemical Engineering*, 50 (2), pp. 158-164.   DOI: 10.1134/S0040579516020032  Document Type: Article |

|  |  |
| --- | --- |
| 152) | Patrashin, A.I., Burlakov, I.D., Korneeva, M.D., Shabarov, V.V. [Analytical model used to calculate focal-plane-array parameters](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962685727&origin=resultslist) (2016) *Journal of Communications Technology and Electronics*, 61 (3), pp. 311-318.   DOI: 10.1134/S106422691603013X  Document Type: Article |

|  |  |
| --- | --- |
| 153) | Livanova, N.M., Karpova, S.G., Kovaleva, L.A., Ovsyannikov, N.Y., Popov, A.A. [The nature of sites of absorption of low-molecular-mass compounds by butadiene–acrylonitrile copolymers](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962419457&origin=resultslist) (2016) *Polymer Science - Series A*, 58 (2), pp. 130-138. Cited 1 time.  DOI: 10.1134/S0965545X16020127  Document Type: Article |

|  |  |
| --- | --- |
| 154) | Burlakov, I.D., Denisov, I.A., Sizov, A.L., Silina, A.A., Smirnova, N.A. [Investigation of the surface roughness of CdZnTe substrates by different techniques of nanometer accuracy](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962677088&origin=resultslist) (2016) *Journal of Communications Technology and Electronics*, 61 (3), pp. 333-337.   DOI: 10.1134/S1064226916030062  Document Type: Article |

|  |  |
| --- | --- |
| 155) | Gaidukevich, S.K., Mikulovich, Y.L., Smirnova, T.G., Andreevskaya, S.N., Sorokoumova, G.M., Chernousova, L.N., Selishcheva, A.A., Shvets, V.I. [Antibacterial Effects of Liposomes Containing Phospholipid Cardiolipin and Fluoroquinolone Levofloxacin on Mycobacterium tuberculosis with Extensive Drug Resistance](https://www.scopus.com/record/display.uri?eid=2-s2.0-84961669842&origin=resultslist) (2016) *Bulletin of Experimental Biology and Medicine*, 160 (5), pp. 675-678.   DOI: 10.1007/s10517-016-3247-z  Document Type: Article |

|  |  |
| --- | --- |
| 156) | Nikitin, K.N., Osadchii, V.Y., Kolikov, A.P., Saf’yanov, A.V., Lyakh, A.P., Eremin, V.N. [Production of hexahedral pipe blanks from centrifugally cast 04Х14ТЗР1Ф (СЧ82) steel billet for the nuclear industry](https://www.scopus.com/record/display.uri?eid=2-s2.0-84977080466&origin=resultslist) (2016) *Steel in Translation*, 46 (3), pp. 213-219.   DOI: 10.3103/S0967091216030104  Document Type: Article |

|  |  |
| --- | --- |
| 157) | Kazakov, G.S., Sivaev, I.B., Suponitsky, K.Y., Kirilin, A.D., Bregadze, V.I., Welch, A.J. [Facile synthesis of closo-nido bis(carborane) and its highly regioselective halogenation](https://www.scopus.com/record/display.uri?eid=2-s2.0-84954430436&origin=resultslist) (2016) *Journal of Organometallic Chemistry*, 805, pp. 1-5. Cited 2 times.  DOI: 10.1016/j.jorganchem.2016.01.009  Document Type: Article |

|  |  |
| --- | --- |
| 158) | Lukin, A., Karapetian, R., Ivanenkov, Y., Krasavin, M. [Privileged 1,2,4-oxadiazoles in anticancer drug design: Novel 5-aryloxymethyl-1,2,4-oxadiazole leads for prostate cancer therapy](https://www.scopus.com/record/display.uri?eid=2-s2.0-84960107411&origin=resultslist) (2016) *Letters in Drug Design and Discovery*, 13 (3), pp. 198-204. Cited 1 time.  DOI: 10.2174/1570180812999150812164251  Document Type: Article |

|  |  |
| --- | --- |
| 159) | Kuz’micheva, G.M., Timaeva, O.I., Rybakov, V.B., Kaurova, I.A., Kosinova, A.V., Grebenev, V.V. [Growth, structure peculiarities, and dielectric properties of ferroelectric KDP/TiO2 single crystals](https://www.scopus.com/record/display.uri?eid=2-s2.0-84953355986&origin=resultslist) (2016) *Journal of Materials Science*, 51 (6), pp. 3045-3055.   DOI: 10.1007/s10853-015-9615-7  Document Type: Article |

|  |  |
| --- | --- |
| 160) | Grinberg, V.Y., Tsvetkov, V.B., Markova, A.A., Dezhenkova, L.G., Burova, T.V., Grinberg, N.V., Dubovik, A.S., Plyavnik, N.V., Shtil, A.A. [Interactions of non-phosphorous glycerolipids with DNA: Energetics, molecular docking and topoisomerase I attenuation](https://www.scopus.com/record/display.uri?eid=2-s2.0-84958965781&origin=resultslist) (2016) *Anti-Cancer Agents in Medicinal Chemistry*, 16 (3), pp. 335-346.  Document Type: Article |

|  |  |
| --- | --- |
| 161) | Gritskova, I.A., Adikanova, D.B., Papkov, V.S., Prokopov, N.I., Shragin, D.I., Gusev, S.A., Levachev, S.M., Milushkova, E.V., Ezhova, A.A., Lukashevich, A.D. [Polymerization of styrene in the presence of carboxyl-containing polydimethylsiloxane and its mixture with oxyethylated poly(propylene glycol)](https://www.scopus.com/record/display.uri?eid=2-s2.0-84979587233&origin=resultslist) (2016) *Polymer Science - Series B*, 58 (2), pp. 163-167.   DOI: 10.1134/S1560090416020019  Document Type: Article |

|  |  |
| --- | --- |
| 162) | Kompanets, V.O., Chekalin, S.V., Lazov, M.A., Alov, N.V., Ionov, A.M., Dorofeev, S.G., Barzilovich, P.Y., Ryabov, E.A., Bagratashvili, V.N., Babkina, S.S., Ischenko, A.A. [Chemical composition of hybrid silicon nanoparticles and ultrafast dynamics of charge carriers](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969895444&origin=resultslist) (2016) *Nanotechnologies in Russia*, 11 (3-4), pp. 128-136.   DOI: 10.1134/S1995078016020087  Document Type: Article |

|  |  |
| --- | --- |
| 163) | Tiercelin, N., Dusch, Y., Giordano, S., Klimov, A., Preobrazhensky, V., Pernod, P. [Strain Mediated Magnetoelectric Memory](https://www.scopus.com/record/display.uri?eid=2-s2.0-84983776626&origin=resultslist) (2016) *Nanomagnetic Devices and Phenomena for Energy-Efficient Computing*, pp. 221-257.   DOI: 10.1002/9781118869239.ch8  Document Type: Book Chapter |

|  |  |
| --- | --- |
| 164) | Efremova, E.I., Kydryashova, Z.A., Nosikova, L.A., Kovshik, A.P., Dobrun, L.A., Melnikov, A.B. [Phase Diagram and Dielectric Studies in Hydrogen-Bonded Liquid Crystal System](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962238156&origin=resultslist) (2016) *Molecular Crystals and Liquid Crystals*, 626 (1), pp. 12-20. Cited 1 time.  DOI: 10.1080/15421406.2015.1106220  Document Type: Article |

|  |  |
| --- | --- |
| 165) | Solovyev, P.A., Fesenko, A.A., Shutalev, A.D. [A new synthesis of 4- or/and 6-CF3-containing hexahydro- and 1,2,3,4-tetrahydropyrimidin-2-ones](https://www.scopus.com/record/display.uri?eid=2-s2.0-84951334955&origin=resultslist) (2016) *Journal of Fluorine Chemistry*, 182, pp. 28-33. Cited 4 times.  DOI: 10.1016/j.jfluchem.2015.11.008  Document Type: Article |

|  |  |
| --- | --- |
| 166) | Syrov, Y.V. [Interaction of indium antimonide with saturated sulfur vapor](https://www.scopus.com/record/display.uri?eid=2-s2.0-85008627629&origin=resultslist) (2016) *Doklady Chemistry*, 471 (2), pp. 365-367.   DOI: 10.1134/S0012500816120077  Document Type: Article |

|  |  |
| --- | --- |
| 167) | Kuzovlev, A.S., Savinkina, E.V., Chernyshev, V.V., Grigoriev, M.S., Volov, A.N. [Copper and palladium complexes with substituted pyrimidine-2-thiones and 2-thiouracils: Syntheses, spectral characterization, and X-ray crystallographic study](https://www.scopus.com/record/display.uri?eid=2-s2.0-84958162501&origin=resultslist) (2016) *Journal of Coordination Chemistry*, 69 (3), pp. 508-521. Cited 1 time.  DOI: 10.1080/00958972.2015.1123696  Document Type: Article |

|  |  |
| --- | --- |
| 168) | Pevtsov, E.F., Storozheva, Z.I., Proshin, A.T., Pevtsova, E.I. [A Hardware-and-Software System for Experimental Studies of the Acoustic Startle Response in Laboratory Rodents](https://www.scopus.com/record/display.uri?eid=2-s2.0-84959111335&origin=resultslist) (2016) *Bulletin of Experimental Biology and Medicine*, 160 (4), pp. 410-413.   DOI: 10.1007/s10517-016-3183-y  Document Type: Article |

|  |  |
| --- | --- |
| 169) | Glezer, A.M., Tomchuk, A.A., Rassadina, T.V. [Effect of reversible torsion on the structure and mechanical properties of iron under severe plastic deformations in a Bridgman camera](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962877581&origin=resultslist) (2016) *Doklady Physics*, 61 (2), pp. 61-63.   DOI: 10.1134/S1028335816020014  Document Type: Article |

|  |  |
| --- | --- |
| 170) | Subkhangulov, R.R., Mikhaylovskiy, R.V., Zvezdin, A.K., Kruglyak, V.V., Rasing, T., Kimel, A.V. [Terahertz modulation of the Faraday rotation by laser pulses via the optical Kerr effect](https://www.scopus.com/record/display.uri?eid=2-s2.0-84956587740&origin=resultslist) (2016) *Nature Photonics*, 10 (2), pp. 111-114. Cited 4 times.  DOI: 10.1038/nphoton.2015.249  Document Type: Article |

|  |  |
| --- | --- |
| 171) | Levanyuk, A.P., Misirlioglu, I.B. [Strong influence of non-ideality of electrodes on stability of single domain state in ferroelectric-paraelectric superlattices](https://www.scopus.com/record/display.uri?eid=2-s2.0-84955490156&origin=resultslist) (2016) *Journal of Applied Physics*, 119 (2), art. no. 024109, .   DOI: 10.1063/1.4939779  Document Type: Article |

|  |  |
| --- | --- |
| 172) | Delimova, L.A., Gushchina, E.V., Yuferev, V.S., Ratnikov, V.V., Zaitseva, N.V., Sharenkova, N.V., Seregin, D.S., Vorotilov, K.A., Sigov, A.S. [Peculiarities of Electrical Characteristics of Ferroelectric Memory Elements Based on PZT-Films](https://www.scopus.com/record/display.uri?eid=2-s2.0-84954135342&origin=resultslist) (2016) *Russian Physics Journal*, pp. 1-5. Article in Press.   DOI: 10.1007/s11182-016-0647-5  Document Type: Article in Press |

|  |  |
| --- | --- |
| 173) | Lavrinenko, M., Biktashev, E., Kirko, D. [Properties of corona discharge plasma near metal surface](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971668167&origin=resultslist) (2016) *Journal of Physics: Conference Series*, 666 (1), art. no. 012031, .   DOI: 10.1088/1742-6596/666/1/012031  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 174) | Skvortsova, N.N., Chirkov, A.Y., Kharchevsky, A.A., Malakhov, D.V., Gorshenin, A.K., Korolev, V.Y. [Doppler reflectometry studies of plasma gradient instabilities in L-2M stellarator](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971673868&origin=resultslist) (2016) *Journal of Physics: Conference Series*, 666 (1), art. no. 012007, .   DOI: 10.1088/1742-6596/666/1/012007  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 175) | Taran, Y.A., Taran, A.L. [Revamping Equipment and Technology of Existing Granulating Plants to Improve the Quality of Granulated Products](https://www.scopus.com/record/display.uri?eid=2-s2.0-84954154691&origin=resultslist) (2016) *Chemical and Petroleum Engineering*, 51 (9-10), pp. 581-589.   DOI: 10.1007/s10556-016-0090-z  Document Type: Article |

|  |  |
| --- | --- |
| 176) | Pastukhova, S.E. [The Neumann problem for elliptic equations with multiscale coefficients: Operator estimates for homogenization](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971236515&origin=resultslist) (2016) *Sbornik Mathematics*, 207 (3), pp. 418-443.   DOI: 10.1070/SM8486  Document Type: Article |

|  |  |
| --- | --- |
| 177) | Gnoenskii, L.S., Shishkin, E.A. [Maximum divergences and resonance phenomena in delay controlled systems](https://www.scopus.com/record/display.uri?eid=2-s2.0-84961590946&origin=resultslist) (2016) *Journal of Computer and Systems Sciences International*, 55 (1), pp. 21-35.   DOI: 10.1134/S1064230715060064  Document Type: Article |

|  |  |
| --- | --- |
| 178) | Markov, V.A., Markov, A.V., Poldushev, M.A., Abysov, E.Y. [The influence of the method used to prepare electrically conductive composites based on polyethylene, polypropylene, and carbon black on their properties at elevated temperatures](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971519338&origin=resultslist) (2016) *International Polymer Science and Technology*, 43 (3), pp. T13-T18.  Document Type: Article |

|  |  |
| --- | --- |
| 179) | Demenkova, T., Tverdokhlebov, L. [Use of graphic processor for creation of 3D panorama](https://www.scopus.com/record/display.uri?eid=2-s2.0-85009442778&origin=resultslist) (2016) *CEUR Workshop Proceedings*, 1761, pp. 332-338.  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 180) | Smirnova, O., Petrov, A., Babiychuk, G. [Common techniques for social network analysis study](https://www.scopus.com/record/display.uri?eid=2-s2.0-85009437501&origin=resultslist) (2016) *CEUR Workshop Proceedings*, 1761, pp. 262-269.  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 181) | Sigov, A., Nechaev, V., Baranyuk, V., Smirnova, O. [Approaches to group control and information-driven interaction in heterogeneous robot squads](https://www.scopus.com/record/display.uri?eid=2-s2.0-85009386995&origin=resultslist) (2016) *CEUR Workshop Proceedings*, 1763, pp. 146-151.  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 182) | Frolkova, A.V., Akishina, A.A., Frolkova, A.K. [Binodal varieties of the systems with four-component azeotrope](https://www.scopus.com/record/display.uri?eid=2-s2.0-84961654812&origin=resultslist) (2016) *Theoretical Foundations of Chemical Engineering*, 50 (1), pp. 110-118.   DOI: 10.1134/S004057951601005X  Document Type: Article |

|  |  |
| --- | --- |
| 183) | Ivchenko, V.D., Ignatov, A.S., Krug, P.G., Kurakov, M.V., Pavelyev, S.A. [Study of Type I and Type II errors occurring in the automatic fault detection after remote reconfiguration of FPGA of a mobile robot for space application](https://www.scopus.com/record/display.uri?eid=2-s2.0-85003848637&origin=resultslist) (2016) *International Journal of Control Theory and Applications*, 9 (30), pp. 61-71.  Document Type: Article |

|  |  |
| --- | --- |
| 184) | Karabutov, N. [Structural identification of dynamic systems with hysteresis](https://www.scopus.com/record/display.uri?eid=2-s2.0-85000501965&origin=resultslist) (2016) *International Journal of Intelligent Systems and Applications*, 8 (7), pp. 1-13. Cited 1 time.  DOI: 10.5815/ijisa.2016.07.01  Document Type: Article |

|  |  |
| --- | --- |
| 185) | Sokolova, L.V., Nepomnyashchii, A.F., Kanauzova, A.A., Reznichenko, S.V. [The influence of the nature of the metal oxide on the process of peroxide vulcanisation of SKF-32 fluorinecontaining rubber](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962634167&origin=resultslist) (2016) *International Polymer Science and Technology*, 43 (1), pp. 19-24.  Document Type: Article |

|  |  |
| --- | --- |
| 186) | Zibro, I.P., Filonenko, V.P., Nikishina, E.E., Lebedeva, E.N., Drobot, D.V. [High-pressure synthesis of H2Ta2O6 · H2O with a defect pyrochlore structure](https://www.scopus.com/record/display.uri?eid=2-s2.0-84950327553&origin=resultslist) (2016) *Inorganic Materials*, 52 (1), pp. 38-43.   DOI: 10.1134/S0020168515120158  Document Type: Article |

|  |  |
| --- | --- |
| 187) | Sebyakin, Y.L., Loseva, A.A., Budanova, U.A., Lubeshkin, A.V. [Synthesis of dipeptide and carbohydrate ivermectin B1 derivatives](https://www.scopus.com/record/display.uri?eid=2-s2.0-85006046453&origin=resultslist) (2016) *Macroheterocycles*, 9 (3), pp. 314-319.   DOI: 10.6060/mhc160644s  Document Type: Article |

|  |  |
| --- | --- |
| 188) | Egorova, O.N., Astapovich, M.S., Belkin, M.E., Semjonov, S.L. [Multicore optical fibre and fibre-optic delay line based on it](https://www.scopus.com/record/display.uri?eid=2-s2.0-85007420829&origin=resultslist) (2016) *Quantum Electronics*, 46 (12), pp. 1134-1138.   DOI: 10.1070/QEL16224  Document Type: Article |

|  |  |
| --- | --- |
| 189) | Semenov, S.A., Drobot, D.V., Musatova, V.Yu., Pronin, A.S., Pomogailo, A.D., Dzhardimalieva, G.I. [Effect of intramolecular hydrogen bond in unsaturated dicarboxylic acid molecules on the formation of cobalt(II) and nickel(II) carboxylates](https://www.scopus.com/record/display.uri?eid=2-s2.0-84957558004&origin=resultslist) (2016) *Russian Journal of Inorganic Chemistry*, 61 (1), pp. 59-62.   DOI: 10.1134/S0036023616010216  Document Type: Article |

|  |  |
| --- | --- |
| 190) | Zhikov, V.V., Pastukhova, S.E. [Operator estimates in homogenization theory](https://www.scopus.com/record/display.uri?eid=2-s2.0-84987842809&origin=resultslist) (2016) *Russian Mathematical Surveys*, 71 (3), pp. 417-511.   DOI: 10.1070/RM9710  Document Type: Article |

|  |  |
| --- | --- |
| 191) | Nikulchev, E., Ilin, D., Biryukov, D., Bubnov, G. [Monitoring of information space for professional skills demand](https://www.scopus.com/record/display.uri?eid=2-s2.0-84992187017&origin=resultslist) (2016) *Contemporary Engineering Sciences*, 9 (13-16), pp. 671-678.   DOI: 10.12988/ces.2016.6327  Document Type: Article |

|  |  |
| --- | --- |
| 192) | Afanasiev, S.A., Afanasiev, M.S., Zhukov, A.O., Egorov, V.K., Egorov, E.V. [Ion beam diagnostics planar epitaxial structures nanophotonics, nanoelectronics and microsystems technology](https://www.scopus.com/record/display.uri?eid=2-s2.0-84995376558&origin=resultslist) (2016) *International Journal of Environmental and Science Education*, 11 (17), art. no. ijese.2016.754, pp. 10423-10434.  Document Type: Article |

|  |  |
| --- | --- |
| 193) | Azarova, V.V., Bessonov, A.S., Bondarev, A.L., Makeev, A.P., Petrukhin, E.A. [Two-channel method for measuring losses in a ring optical resonator at a wavelength of 632.8 nm](https://www.scopus.com/record/display.uri?eid=2-s2.0-84981290400&origin=resultslist) (2016) *Quantum Electronics*, 46 (7), pp. 650-654.   DOI: 10.1070/QEL16008  Document Type: Article |

|  |  |
| --- | --- |
| 194) | Lukin, A., Vedekhina, T., Tovpeko, D., Zhurilo, N., Krasavin, M. [Zn-catalyzed hydrohydrazination of propargylamides with BocNHNH2: A novel entry into the 1,2,4-triazine core](https://www.scopus.com/record/display.uri?eid=2-s2.0-84976522938&origin=resultslist) (2016) *RSC Advances*, 6 (63), pp. 57956-57959.   DOI: 10.1039/c6ra12664b  Document Type: Article |

|  |  |
| --- | --- |
| 195) | Botova, O.I., Gritskova, I.A., Grinfel'd, E.A., Lobanova, N.A., Shitov, R.O. [The influence of the nature and concentration of the emulsifier on the degree of dispersion and the stability of artificial latex with positively charged particles](https://www.scopus.com/record/display.uri?eid=2-s2.0-84983388923&origin=resultslist) (2016) *International Polymer Science and Technology*, 43 (4), pp. T7-T10.  Document Type: Article |

|  |  |
| --- | --- |
| 196) | Postnikov, P.V., Krotov, G.I., Efimova, Y.A., Rodchenkov, G.M. [Basic analytical methods for identification of erythropoiesis-stimulating agents in doping control](https://www.scopus.com/record/display.uri?eid=2-s2.0-84960540445&origin=resultslist) (2016) *Russian Chemical Reviews*, 85 (2), pp. 99-114.   DOI: 10.1070/RCR4563  Document Type: Review |

|  |  |
| --- | --- |
| 197) | Egorova, E.M., Kubatiev, A.A., Schvets, V.I. [Biological effects of metal nanoparticles](https://www.scopus.com/record/display.uri?eid=2-s2.0-84979176768&origin=resultslist) (2016) *Biological Effects of Metal Nanoparticles*, pp. 1-292.   DOI: 10.1007/978-3-319-30906-4  Document Type: Book |

|  |  |
| --- | --- |
| 198) | Zhuravleva, L.M., Legkiy, N.M. [Development prospects for fiber optic information transmission systems](https://www.scopus.com/record/display.uri?eid=2-s2.0-85003023972&origin=resultslist) (2016) *International Journal of Applied Engineering Research*, 11 (22), pp. 10923-10927.  Document Type: Article |

|  |  |
| --- | --- |
| 199) | Kaliya, O.L., Kuznetsova, N.A., Bulgakov, R.A., Solovyova, L.I., Shevchenko, E.N., Slivka, L.K., Lukyanets, E.A. [Effect of pH on acid-base and photophysicochemical properties of 2,3,9,10,16,17,23,24-octacarboxyphthalocyanines in aqueous media](https://www.scopus.com/record/display.uri?eid=2-s2.0-84977545000&origin=resultslist) (2016) *Macroheterocycles*, 9 (2), pp. 186-192.   DOI: 10.6060/mhc160646k  Document Type: Article |
| 200) | Poldushova, G.A., Kandyrin, K.L., Reznichenko, S.V. [The effect of the structure of p-phenylenediamine antiagers on the physicomechanical and hysteresis properties of filled rubber compounds](https://www.scopus.com/record/display.uri?eid=2-s2.0-84971526236&origin=resultslist) (2016) *International Polymer Science and Technology*, 43 (2), pp. T19-T22.  Document Type: Article |
| 201) | Volovetsky, A.B., Shilyagina, N.Y., Dudenkova, V.V., Pasynkova, S.O., Grin, M.A., Mironov, A.F., Feofanov, A.V., Balalaeva, I.V., Maslennikova, A.V. [Biodistribution of amine-amide chlorin e6 derivative conjugate with a boron nanoparticle for boron neutron-capture therapy](https://www.scopus.com/record/display.uri?eid=2-s2.0-84962030243&origin=resultslist) (2016) *Sovremennye Tehnologii v Medicine*, 8 (1), pp. 34-39.   DOI: 10.17691/stm2016.8.1.05  Document Type: Article |
| 202) | Sandulyak, A.A., Sandulyak, D.A., Shitikova, M.V., Rossikhin, Y.A., Sandulyak, A.V., Semenov, V.S. [Validation of a temperature parameter in the expression for the efficiency of filtering magnetophoresis](https://www.scopus.com/record/display.uri?eid=2-s2.0-84961658141&origin=resultslist) (2016) Advanced Materials, Structures and Mechanical Engineering - Proceedings of the International Conference on Advanced Materials, Structures and Mechanical Engineering, pp. 311-316.  Document Type: Conference Paper |
| 203) | Shirkovskiy, P., Preobrazhensky, V., Pernod, P., Koshelyuk, S. [Phase conjugation of ultrasound waves in comparison with backscattering in disordered medium](https://www.scopus.com/record/display.uri?eid=2-s2.0-84947996222&origin=resultslist) (2016) *Wave Motion*, 60, pp. 149-157.   DOI: 10.1016/j.wavemoti.2015.08.007  Document Type: Article |
| 204) | Popov, V.A., Shelekhov, E.V., Prosviryakov, A.S., Matveev, D.V., Vershinina, E.V., Khomutov, M.G. [Development of aluminium matrix composites with non-agglomerated nanodiamond reinforcements](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991782491&origin=resultslist) (2016) *International Journal of Nanotechnology*, 13 (8-9), pp. 584-590.   DOI: 10.1504/IJNT.2016.079659  Document Type: Article |

|  |  |
| --- | --- |
| 205) | Chudinov, M.V., Prutkov, A.N., Matveev, A.V., Grebenkina, L.E., Konstantinova, I.D., Berezovskaya, Y.V. [An alternative route to the arylvinyltriazole nucleosides](https://www.scopus.com/record/display.uri?eid=2-s2.0-84973868617&origin=resultslist) (2016) *Bioorganic and Medicinal Chemistry Letters*, 26 (14), pp. 3223-3225.   DOI: 10.1016/j.bmcl.2016.05.072  Document Type: Article |

|  |  |
| --- | --- |
| 206) | Abramycheva, N.Y., Fedotova, E.Y., Klyushnikov, S.A., Ustinova, V.V., Kunetsky, V.E., Stepanova, M.S., Timerbaeva, S.L., Alekseev, Y.I., Illarioshkin, S.N. [An original target genetic panel to diagnose neurodegenerative diseases on the basis of next-generation sequencing: First experience](https://www.scopus.com/record/display.uri?eid=2-s2.0-85007499977&origin=resultslist) (2016) *Sovremennye Tehnologii v Medicine*, 8 (4), pp. 185-189.   DOI: 10.17691/stm2016.8.4.23  Document Type: Article |

|  |  |
| --- | --- |
| 207) | Delimova, L.A., Gushchina, E.V., Yuferev, V.S., Ratnikov, V.V., Zaitseva, N.V., Sharenkova, N.V., Seregin, D.S., Vorotilov, K.A., Sigov, A.S. [Peculiarities of electrical characteristics of ferroelectric memory elements based on PZT-films](https://www.scopus.com/record/display.uri?eid=2-s2.0-85008449853&origin=resultslist) (2016) *Russian Physics Journal*, 58 (9), pp. 1301-1305.   DOI: 10.1007/s11182-016-0647-5  Document Type: Article |

|  |  |
| --- | --- |
| 208) | Golovanova, N.B., Asyaeva, E.A., Gavrilenko, S.A., Temirkanova, A.V., Sokolov, A.A. [Funds management as relation system in business company for highly effective finance administration](https://www.scopus.com/record/display.uri?eid=2-s2.0-85004010425&origin=resultslist) (2016) *International Journal of Economics and Financial Issues*, 6 (8Special Issue), pp. 13-18.  Document Type: Article |

|  |  |
| --- | --- |
| 209) | Andreeva, E.V., Il'chenko, S.N., Kurnyavko, Yu.V., Luk'yanov, Yu.V., Shidlovskii, V.R., Yakubovich, S.D. [Highly reliable high-power superluminescent diodes with three single-mode active channels](https://www.scopus.com/record/display.uri?eid=2-s2.0-84981156432&origin=resultslist) (2016) *Quantum Electronics*, 46 (7), pp. 594-596.   DOI: 10.1070/QEL16082  Document Type: Article |

|  |  |
| --- | --- |
| 210) | Iakobson, O.D., Gribkova, O.L., Tameev, A.R., Kravchenko, V.V., Egorov, A.V., Vannikov, A.V. [Conductive composites of polyaniline-polyacid complex and graphene nanostacks](https://www.scopus.com/record/display.uri?eid=2-s2.0-84948649231&origin=resultslist) (2016) *Synthetic Metals*, 211, pp. 89-98.   DOI: 10.1016/j.synthmet.2015.11.018  Document Type: Article |

|  |  |
| --- | --- |
| 211) | Lille, H., Kõo, J., Ryabchikov, A., Reitsnik, R., Sergejev, F., Matvejev, D. [Comparison of some mechanical and physical methods for measurement of residual stresses in brush-plated nickel hardened gold and silver coatings](https://www.scopus.com/record/display.uri?eid=2-s2.0-84958780950&origin=resultslist) (2016) *Medziagotyra*, 22 (1), pp. 36-40.   DOI: 10.5755/j01.ms.22.1.7439  Document Type: Article |

|  |  |
| --- | --- |
| 212) | Vasilyeva, I., Kuz'Micheva, G., Pochtar, A., Gainanova, A., Timaeva, O., Dorokhov, A., Podbel'Skiy, V. [On the nature of the phase "η-TiO2"](https://www.scopus.com/record/display.uri?eid=2-s2.0-84953270265&origin=resultslist) (2016) *New Journal of Chemistry*, 40 (1), pp. 151-161. Cited 2 times.  DOI: 10.1039/c5nj01870f  Document Type: Article |

|  |  |
| --- | --- |
| 213) | Manzhirov, A.V., Parshin, D.A. [Accretion of spherical viscoelastic objects under self-gravity](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994234276&origin=resultslist) (2016) *Lecture Notes in Engineering and Computer Science*, 2224, pp. 1131-1135.  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 214) | Goloveshkin, V., Zhukova, G., Ulyanov, M., Fomichev, M. [Probability distribution of the complexity of the individual traveling salesman problem (fixed number of nodes)](https://www.scopus.com/record/display.uri?eid=2-s2.0-85009476020&origin=resultslist) (2016) *CEUR Workshop Proceedings*, 1761, pp. 304-310.  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 215) | Nechaev, V., Goncharenko, V., Rozhnov, A., Lytchev, A., Lobanov, I. [Integration of virtual semantic environments components and generalized data envelopment analysis (DEA) model](https://www.scopus.com/record/display.uri?eid=2-s2.0-85009454914&origin=resultslist) (2016) *CEUR Workshop Proceedings*, 1761, pp. 339-347.  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 216) | Varizhuk, A.M., Dezhenkov, A.V., Kirillova, Y.G. [Chiral Acyclic PNA Modifications: Synthesis and Properties](https://www.scopus.com/record/display.uri?eid=2-s2.0-84976340666&origin=resultslist) (2016) *Studies in Natural Products Chemistry*, 47, pp. 261-305.   DOI: 10.1016/B978-0-444-63603-4.00008-5  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 217) | Kasperovich, A.V., Krotova, O.A., Potapov, E.E., Reznichenko, S.V., Shkodich, V.F. [A study of the influence of a new promoter on the adhesion of rubber to a metal cord](https://www.scopus.com/record/display.uri?eid=2-s2.0-84975709151&origin=resultslist) (2016) *Polymer Science - Series D*, 9 (1), pp. 68-71.   DOI: 10.1134/S1995421215040061  Document Type: Article |

|  |  |
| --- | --- |
| 218) | Yashtulov, N.A., Zenchenko, V.O., Lebedeva, M.V., Samoilov, V.M., Karimov, O.K., Flid, V.R. [Synthesis and electrocatalytic activity of palladium nanoparticles on porous silicon](https://www.scopus.com/record/display.uri?eid=2-s2.0-84992723855&origin=resultslist) (2016) *Russian Chemical Bulletin*, 65 (1), pp. 133-138.   DOI: 10.1007/s11172-016-1275-5  Document Type: Article |

|  |  |
| --- | --- |
| 219) | Zinchenko, Y.P., Zotova, O.Y., Tarasova, L.V., Gaidamashko, I.V. [The contamination of young people's notions about narcotics and psychoactive substances as a threat to psychological security](https://www.scopus.com/record/display.uri?eid=2-s2.0-85003020547&origin=resultslist) (2016) *Psychology in Russia: State of the Art*, 9 (2), pp. 39-53.   DOI: 10.11621/pir.2016.0204  Document Type: Article |

|  |  |
| --- | --- |
| 220) | Belkin, M.E., Iakovlev, V., Sigov, A., Tyschuk, Y., Golovin, V. [An advanced approach to simulation of super-wide bandwidth information and communication systems combining microwave and photonic industrial technologies](https://www.scopus.com/record/display.uri?eid=2-s2.0-85002131263&origin=resultslist) (2016) *28th European Modeling and Simulation Symposium, EMSS 2016*, pp. 141-147.  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 221) | Sboev, A., Litvinova, T., Vlasov, D., Serenko, A., Moloshnikov, I. [On the Applicability of Spiking Neural Network Models to Solve the Task of Recognizing Gender Hidden in Texts](https://www.scopus.com/record/display.uri?eid=2-s2.0-85008257444&origin=resultslist) (2016) *Procedia Computer Science*, 101, pp. 187-196.   DOI: 10.1016/j.procs.2016.11.023  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 222) | Gorshenin, A., Korolev, V. [A methodology for the identification of extremal loading in data flows in information systems](https://www.scopus.com/record/display.uri?eid=2-s2.0-84986238325&origin=resultslist) (2016) *Communications in Computer and Information Science*, 638, pp. 94-103.   DOI: 10.1007/978-3-319-44615-8\_8  Document Type: Conference Paper |

|  |  |
| --- | --- |
| 223) | Vereshchagin, K.A., Il'Chenko, S.N., Morozov, V.B., Olenin, A.N., Tunkin, V.G., Yakovlev, D.V., Yakubovich, S.D. [Parametric amplification of broadband radiation of a cw superluminescent diode under picosecond pumping](https://www.scopus.com/record/display.uri?eid=2-s2.0-84989327794&origin=resultslist) (2016) *Quantum Electronics*, 46 (9), pp. 811-814.   DOI: 10.1070/QEL16156  Document Type: Article |

|  |  |
| --- | --- |
| 224) | Kamynin, V.A., Filatova, S.A., Zhluktova, I.V., Tsvetkov, V.B. [Picosecond holmium fibre laser pumped at 1125 nm](https://www.scopus.com/record/display.uri?eid=2-s2.0-85007487712&origin=resultslist) (2016) *Quantum Electronics*, 46 (12), pp. 1082-1084.   DOI: 10.1070/QEL16220  Document Type: Article |

|  |  |
| --- | --- |
| 225) | Burlakov, I.D., Boltar, K.O., Vlasov, P.V., Lopukhin, A.A., Toropov, A.I., Juravlev, K.S., Fadeev, V.V. [Fpa 320×256 insb detectors with an epitaxial layer fabricated on the high doping substrate](https://www.scopus.com/record/display.uri?eid=2-s2.0-84994460738&origin=resultslist) (2016) *Applied Physics*, 2016-January (3), pp. 58-64.  Document Type: Article |

|  |  |
| --- | --- |
| 226) | Rybaltovskiy, A.O., Ischenko, A.A., Zavorotny, Y.S., Garshev, A.V., Dorofeev, S.G., Kononov, N.N., Minaev, N.V., Minaeva, S.A., Sviridov, A.P., Timashev, P.S., Khodos, I.I., Yusupov, V.I., Lazov, M.A., Panchenko, V.Y., Bagratashvili, V.N. [Synthesis of photoluminescent Si/SiO x core/shell nanoparticles by thermal disproportionation of SiO: structural and spectral characterization](https://www.scopus.com/record/display.uri?eid=2-s2.0-84925536083&origin=resultslist) (2016) *Journal of Materials Science*, 50 (5), pp. 2247-2256. Cited 2 times.  DOI: 10.1007/s10853-014-8787-x  Document Type: Article |

|  |  |
| --- | --- |
| 227) | Kasimtsev, A.V., Markova, G.V., Shuitsev, A.V., Levinskii, Y.V., Sviridova, T.A., Alpatov, A.V. [The powdered calcium hydride TiNi intermetallic compound](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969581307&origin=resultslist) (2016) *Russian Journal of Non-Ferrous Metals*, 57 (1), pp. 62-68.   DOI: 10.3103/S1067821216010089  Document Type: Article |

|  |  |
| --- | --- |
| 228) | Volovetskiy, A.B., Shilyagina, N.Y., Dudenkova, V.V., Pasynkova, S.O., Ignatova, A.A., Mironov, A.F., Grin, M.A., Bregadze, V.I., Feofanov, A.V., Balalaeva, I.V., Maslennikova, A.V. [Study of the tissue distribution of potential boron neutron-capture therapy agents based on conjugates of chlorin e 6 aminoamide derivatives with boron nanoparticles](https://www.scopus.com/record/display.uri?eid=2-s2.0-84969776488&origin=resultslist) (2016) *Biophysics (Russian Federation)*, 61 (1), pp. 133-138.   DOI: 10.1134/S0006350916010255  Document Type: Article |

|  |  |
| --- | --- |
| 229) | Krasavin, M., Lukin, A., Bagnyukova, D., Zhurilo, N., Zahanich, I., Zozulya, S., Ihalainen, J., Forsberg, M.M., Lehtonen, M., Rautio, J., Moore, D., Tikhonova, I.G. [Free fatty acid receptor 1 (GPR40) agonists containing spirocyclic periphery inspired by LY2881835](https://www.scopus.com/record/display.uri?eid=2-s2.0-84991737619&origin=resultslist) (2016) *Bioorganic and Medicinal Chemistry*, 24 (21), pp. 5481-5494. Cited 1 time.  DOI: 10.1016/j.bmc.2016.09.004  Document Type: Article |

|  |  |
| --- | --- |
| 230) | Mitroshina, E.V., Mishchenko, T.A., Vedunova, M.V., Yudintsev, A.V., Generalova, A.N., Nechaev, A.V., Deyev, S.M., Mukhina, I.V., Zvyagin, A.V. [The influence of different types of upconversion nanoparticles surface coatings on neurotoxicity](https://www.scopus.com/record/display.uri?eid=2-s2.0-85007439946&origin=resultslist) (2016) *Sovremennye Tehnologii v Medicine*, 8 (4), pp. 133-141.   DOI: 10.17691/stm2016.8.4.18  Document Type: Article |