

Author Index
Functional Materials Vol.15, № 1–4

- Ageev L.A.** – Optical properties of nanostructures V.K.Miloslavsky, L.A.Ageev, E.D.Makovetsky, S.A.Maskevich 3 313
- Aksenov I.I.** – Vacuum arc plasma source with rectilinear filter for deposition of functional coatings I.I.Aksenov, D.S.Aksyonov 3 442
- Aksyonov D.S.** – Vacuum arc plasma source with rectilinear filter for deposition of functional coatings I.I.Aksenov, D.S.Aksyonov 3 442
- Aldongarov A.A.** – Effect of lumino-phor/polymeric matrix chemical binding factor on the luminescence of PMMA-based scintillation composition A.A.Aldongarov, N.N.Barashkov, I.S.Irgibaeva, O.A.Khakhel, Yu.E.Sakhno 3 398
- Aleksandrova I.P.** – Local polar order in the ferroelectric-relaxor $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ as studied by ^{23}Na NMR Yu.E.Yablonskaya, I.P.Aleksandrova, A.A.Sukhovskiy, Yu.N.Ivanov 1 46
- Alekseev A.N.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, P.P.Dmytrenko, N.P.Kulich, Yu.I.Prylutskyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Alekseev S.A.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, P.P.Dmytrenko, N.P.Kulich, Yu.I.Prylutskyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Ananchenko B.A.** – Dependence of electrolytic properties of CaYb_2S_4 phases on the over-stoichiometric content of binary sulfides L.A.Kalinina, Ju.N.Ushakova, B.A.Ananchenko, E.G.Fominykh, G.I.Shirokova 3 369
- Ananenko A.A.** – Light collection peculiarities in X-ray scintillation detectors T.E.Gorbacheva, V.A.Tarasov, Yu.T.Vidayj, A.A.Ananenko, V.P.Gavrylyuk 1 97
- Anders A.G.** – Magnetic resonance and anisotropy in multilayer Co/Cu (111) system K.V.Kutko, A.I.Kaplienko, E.P.Nikolova, A.G.Anders, V.V.Zorchenko, A.N.Stetsenko 3 350
- Andreev E.P.** – Specific growing features of variable section sapphire articles by Stepanov technique P.V.Konevskiy, E.P.Andreev, L.A.Lytvynov 2 283
- Aruslanova R.I.** – Determination of side products of stilbene synthesis by gas chromatography and chromatography-mass spectrometry V.A.Averin, R.I.Aruslanova, S.V.Budakovskiy, V.L.Volkov, V.V.Vashchenko, I.V.Knyazeva 2 293
- Arzhavitin V.M.** – Features of temperature-dependent internal friction at phase decomposition of Nb-Ti alloy V.M.Arzhavitin 3 402
- Averin V.A.** – Determination of side products of stilbene synthesis by gas chromatography and chromatography-mass spectrometry V.A.Averin, R.I.Aruslanova, S.V.Budakovskiy, V.L.Volkov, V.V.Vashchenko, I.V.Knyazeva 2 293
- Avramenko B.O.** – Magnetoresistive characteristics of bismuth films B.O.Avramenko, I.G.Mirzoev, A.G.Ravlik 1 87
- Azamatov Sh.A.** – Magnetic inhomogeneities of soliton and breather type in magnetics with local nonhomogeneities of anisotropy E.G.Ekomasov, Sh.A.Azamatov, R.R.Murtazin 2 235
- Babayevskaya N.V.** – Luminescent ceramics based on polycrystalline calcium fluorapatite $\text{Ca}_{10}(\text{PO}_4)_6\text{F}_2:\text{Eu}^{3+}$ N.V.Babayevskaya, P.V.Mateychenko, T.G.Deineka, Z.I.Kolupaeva 2 259
- Babayevskaya N.V.** – Nanosized phosphors based on $\text{Gd}_{1-x}\text{Eu}_x\text{PO}_4$ obtained by low-temperature methods N.V.Babayevskaya, A.S.Kryzhanovskaya, Yu.N.Savvin, A.V.Tolmachev 3 433
- Badiyan E.E.** – Formation of micro-discontinuities during thermal processing and plastic deformation of polycrystalline materials E.E.Badiyan, A.G.Tonkopyrad, O.V.Shekhovtsov, R.V.Shurinov 2 198
- Baganov Ye.** – Simulation of growth of graded bandgap GaAsP layers at liquid phase electroepitaxy V.Tsybulenko, Ye.Baganov, V.Krasnov, S.Shutov 3 413
- Bagmut A.G.** – Growth of crystals with bent crystalline lattice in amorphous semiconductor films A.G.Bagmut, S.N.Grigorov, V.M.Kosevich, E.A.Lyubchenko, G.P.Nikolaychuk, D.N.Samoylenko 3 332
- Bairachnaya T.** – Structure and properties of electrolytic cobalt-tungsten alloy coatings M.Ved, N.Sakhnenko, T.Bairachnaya, N.Tkachenko 4 613
- Baisa D.F.** – NMR study of proton dynamics in ferroelectric $\text{KIO}_3 \cdot 2\text{H}_2\text{O}$ crystal D.F.Baisa, E.D.Chesnokov, A.I.Ovcharenko, I.G.Vertegel 1 19
- Balazyuk V.N.** – Temperature and composition effects on elastic properties of CdZnSb solid solution single crystals V.N.Balazyuk, A.I.Eremenko, N.D.Raransky 3 343

- Barabash A.I.** – NQR investigation of crystal structure peculiarities of layered $Pb_{x-1}Cd_x$ semiconductors Yu.P.Gnatenko, I.A.Beinik, A.I.Barabash, I.G.Vertegel, E.D.Chesnokov, A.I.Ovcharenko, L.S.Ivanova 2 175
- Barannik S.V.** – On the cellular structure period of the crystallization front of a binary melt V.N.Kanishev, S.V.Barannik 4 517
- Barashkov N.N.** – Effect of lumino-phor/polymeric matrix chemical binding factor on the luminescence of PMMA-based scintillation composition A.A.Aldongarov, N.N.Barashkov, I.S.Irgibaeva, O.A.Khakhel, Yu.E.Sakhno 3 398
- Bashtyk Y.** – The active medium scattering characteristics of liquid crystal displays Z.Mykytyuk, A.Fechan, O.Sushynsky, M.Shymchyshyn, Y.Bashtyk 3 459
- Baumer V.N.** – Transparent ceramics of yttrium-aluminum garnet ($Y_3Al_5O_{12}$) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Baumer V.N.** – Growth and scintillation properties of $NaLa(WO_4)_2$ and $NaLa(MoO_4)_2$ single crystals V.N.Baumer, Yu.N.Gorobets, M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, O.V.Zelenskaya 4 537
- Beinik I.A.** – NQR investigation of crystal structure peculiarities of layered $Pb_{x-1}Cd_x$ semiconductors Yu.P.Gnatenko, I.A.Beinik, A.I.Barabash, I.G.Vertegel, E.D.Chesnokov, A.I.Ovcharenko, L.S.Ivanova 2 175
- Belokolos E.D.** – Dynamical regimes reconstruction in three-component bistable system with dispersive relaxation time E.D.Belokolos, V.O.Kharchenko 4 496
- Belousov N.N.** – Influence of intensive etching processes on structure and properties of carbon nitride films R.V.Shalaev, V.N.Varyukhin, A.M.Prudnikov, A.I.Linik, I.V.Zhikharev, N.N.Belousov, D.V.Raspornya, A.N.Ulyanov 4 580
- Belozorov D.P.** – High-gradient fields in magnets with giant anisotropy V.N.Samofalov, D.P.Belozorov, .G.Ravlik 3 407
- Bely N.M.** – Radiation damage of isotactic polypropylene composites with multiwalled carbon nanotubes L.V.Diyakon, .P.Dmytrenko, N.P.Kulish, Yu.I.Prylutskiy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Bendeberya G.** – Schottky structures $nZnSe(O,Te)/Ni$ as candidates for selective ultraviolet detectors K.Katrunov, N.Starzhinskiy, B.Grinyov, L.Galchinetskii, G.Bendeberya, E.Bondarenko 3 364
- Bendeberya G.N.** – Effect of technology parameters on the quality of $nZnSe(X)/Ni$ Schottky diodes K.A.Katrunov, L.P.Galchinetskii, B.V.Grinyov, N.G.Starzhinskiy, G.N.Bendeberya, E.A.Bondarenko 4 585
- Berezovskaya I.V.** – Distribution and luminescence characteristics of Ce^{3+} ions in calcium hydroxyapatite I.V.Berezovskaya, N.P.Efryushina, G.B.Stryganyuk, A.S.Voloshinovskii, E.V.Zubar, V.P.Dotsenko 2 164
- Bezus A.V.** – Spin-reorientation phase transitions in soft magnetic films of different anisotropy A.V.Bezus, Yu.A.Mamalui, Yu.A.Siryuk 2 218
- Blank T.A.** – Specific features of dielcometric water determination in alcohols used in synthesis and analysis of functional materials T.A.Blank, L.P.Ekспериандова, O.Ts.Sidletsky, N.A.Kasyan, L.N.Liset-sky 2 301
- Bogdanov A.N.** – Phenomenological model of surface-induced anisotropy in magnetic nanostructures A.A.Leonov, I.E.Dragunov, U.K.Roessler, A.N.Bogdanov 1 109
- Bondarenko E.** – Schottky structures $nZnSe(O,Te)/Ni$ as candidates for selective ultraviolet detectors K.Katrunov, N.Starzhinskiy, B.Grinyov, L.Galchinetskii, G.Bendeberya, E.Bondarenko 3 364
- Bondarenko E.A.** – Effect of technology parameters on the quality of $nZnSe(X)/Ni$ Schottky diodes K.A.Katrunov, L.P.Galchinetskii, B.V.Grinyov, N.G.Starzhinskiy, G.N.Bendeberya, E.A.Bondarenko 4 585
- Bondarenko S.A.** – New approach to the efficiency increase problem for multi-junction silicon photovoltaic converters with vertical diode cells V.R.Kopach, M.V.Kirichenko, S.V.Shramko, R.V.Zaitsev, S.A.Bondarenko 2 253
- Borovoy I.A.** – Comparison of two polymethine dyes used as exciton traps for amphi-PIC J-aggregates R.S.Grynyov, A.V.Sorokin, G.Ya.Guralchuk, S.L.Yefimova, I.A.Borovoy, Yu.V.Malyukin 4 475
- Bovda V.O.** – Corrosion resistance of Nd-Fe-B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M.Bovda, V.O.Bovda, V.V.Chebotarev, V.D.Fedorchenko, I.E.Garkusha, L.V.Onischenko, M.D.Sakhnenko, V.I.Tereshin, O.S.Tortika, M.V.Ved' 4 589
- Bovda O.M.** – Corrosion resistance of Nd-Fe-B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M.Bovda, V.O.Bovda, V.V.Chebotarev, V.D.Fedorchenko, I.E.Garkusha, L.V.Onischenko, M.D.Sakhnenko, V.I.Tereshin, O.S.Tortika, M.V.Ved' 4 589
- Budakovskiy S.V.** – Determination of side products of stilbene synthesis by gas chromatography and chromatomass spectrometry V.A.Averin, R.I.Aruslanova, S.V.Budakovskiy, V.L.Volkov, V.V.Vashchenko, I.V.Knyazeva 2 293
- Bugayev Ye.A.** – Initial stages of diffusion and phase formation in Sc/Si layered systems D.L.Voronov, E.N.Zubarev, V.V.Kondratenko, Yu.P.Pershyn, V.A.Sevryukova, Ye.A.Bugayev 1 30

- Bukivskij P.M.** – The effect of impurity and intrinsic defects on the energy structure and dynamic of electronic processes CdTe:V and Cd_{1-x}Hg_xTe:V crystals Yu.P.Gnatenko, P.M.Bukivskij, Yu.P.Piryatinski, I.O.Faryna, M.S.Furyer, R.V.Gamernyk 1 23
- Chebotarev V.V.** – Corrosion resistance of Nd-Fe-B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M.Bovda, V.O.Bovda, V.V.Chebotarev, V.D.Fedorchenko, I.E.Garkusha, L.V.Onischenko, M.D.Sakhnenko, V.I.Tereshin, O.S.Tortika, M.V.Ved' 4 589
- Cheng X.M.** – On the nature of asymmetry of nucleation centers activity in ultrathin Co films and Co/Pt multilayers Yu.L.Iunin, Yu.P.Kabanov, V.I.Nikitenko, X.M.Cheng, A.J.Shapiro, C.L.Chien, R.D.Shull 1 51
- Cheranovskii V.O.** – Energy spectrum and thermodynamics of quasi-one-dimensional ferrimagnets on the basis of transition metal compounds V.O.Cheranovskii, A.A.Kravchenko, T.O.Kuznetsova 4 511
- Cherginets V.L.** – Interaction of hygroscopic halides with reactive gas atmosphere at elevated temperatures T.P.Rebrova, V.L.Cherginets, T.V.Ponomarenko, Yu.I.Dolzhenko 2 287
- Chernenkov Yu.P.** – Unusual paramagnet to ferromagnet phase transition and magnetic inhomogeneities in hole doped manganites A.V.Lazuta, V.A.Ryzhov, I.A.Kiselev, Yu.P.Chernenkov, O.P.Smirnov, P.L.Molkanov, I.O.Troyanchuk, V.A.Khomchenko 2 178
- Chesnokov E.D.** – NMR study of proton dynamics in ferroelectric KIO₃·2HIO₃ crystal D.F.Baisa, E.D.Chesnokov, A.I.Ovcharenko, I.G.Vertegel 1 19
- Chesnokov E.D.** – NQR investigation of crystal structure peculiarities of layered Pb_x-₁Cd_x2 semiconductors Yu.P.Gnatenko, I.A.Beinik, A.I.Barabash, I.G.Vertegel, E.D.Chesnokov, A.I.Ovcharenko, L.S.Ivanova 2 175
- Chien C.L.** – On the nature of asymmetry of nucleation centers activity in ultrathin Co films and Co/Pt multilayers Yu.L.Iunin, Yu.P.Kabanov, V.I.Nikitenko, X.M.Cheng, A.J.Shapiro, C.L.Chien, R.D.Shull 1 51
- Chow Lee** – Silicon based materials for spintronics prepared by implantation and temperature – (pressure) treatment Andrzej Misiuk, Lee Chow 1 131
- Dan'ko A.Ya.** – Optical and luminescence characteristics of YAG:Ce crystals grown by horizontal directed crystallization in reducing gas medium S.V.Nizhankovsky, A.Ya.Dan'ko, V.M.Puzikov, Yu.N.Savvin, A.G.Trushkovsky, S.I.Krivotogov 4 546
- Deineka T.G.** – Effect of silver on thermal e.m.f. and electric resistance of La-Sr-Co-O ceramics A.A.Kozlovskii, V.F.Khirnyi, T.G.Deineka, A.V.Semenov, V.M.Puzikov, P.V.Mateychenko, V.A.Finkel 1 78
- Deineka T.G.** – Luminescent ceramics based on polycrystalline calcium fluoroapatite Ca₁₀(PO₄)₆F₂:Eu³⁺ N.V.Babayevskaya, P.V.Mateychenko, T.G.Deineka, Z.I.Kolupaeva 2 259
- Deineka T.G.** – Transparent ceramics of yttrium-aluminum garnet (Y₃Al₅O₁₂) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Dekhtyaruk L.V.** – The effect of giant magnetoresistance in Co/Cu/Co structure Yu.A.Shkurdoda, L.V.Dekhtyaruk, V.B.Loboda 1 38
- Deshko V.I.** – Control of radiation-conductive heat exchange at crystal growth from melt V.I.Deshko, A.Ya.Karvatskii, A.V.Lenkin, Yu.V.Lokhmanets 2 229
- Deshko V.I.** – Development of thermal regime control for crucibleless AHP method V.I.Deshko, V.D.Golyshev, A.Ya.Karvatskii, Yu.V.Lokhmanets 1 90
- Diyakon L.V.** – Radiation damage of isotactic polypropylene composites with multiwalled carbon nanotubes L.V.Diyakon, .P.Dmytrenko, N.P.Kulish, Yu.I.Prylutskyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Dmytrenko .P.** – Radiation damage of isotactic polypropylene composites with multiwalled carbon nanotubes L.V.Diyakon, .P.Dmytrenko, N.P.Kulish, Yu.I.Prylutskyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Dobrotvorskaya M.V.** – Heteronanoparticles of silicon dioxide with shell of Pt nanocrystals N.A.Matveevskaya, M.V.Dobrotvorskaya, S.V.Dukarov, Z.I.Kolupaeva 1 81
- Dobrotvorskaya M.V.** – Electrochemical deposition of cadmium telluride films N.P.Klochko, N.D.Volkova, M.V.Dobrotvorskaya, V.R.Kopach, T.A.Li 1 119
- Dobrotvorskaya M.V.** – Photostimulated passivation of spectrometric CdZnTe detectors Yu.A.Zagoruiko, N.O.Kovalenko, O.A.Fedorenko, V.K.Komar, S.V.Sulima, M.V.Dobrotvorskaya, I.S.Terzin 2 249
- Dolzhenko Yu.I.** – Interaction of hygroscopic halides with reactive gas atmosphere at elevated temperatures T.P.Rebrova, V.L.Cherginets, T.V.Ponomarenko, Yu.I.Dolzhenko 2 287
- Doroshenko A.O.** – 8-Hydroxyquinoline derivatives with 2-pyrazoline fragment in chromophore system as chelating agents for polyvalent metals A.J.Marrugo Gonzalez, V.D.Orlov, A.O.Doroshenko 2 299
- Dotsenko V.P.** – Distribution and luminescence characteristics of Ce³⁺ ions in calcium hydroxyapatite I.V.Berezovskaya, N.P.Efryushina, G.B.Stryganyuk, A.S.Voloshinovskii, E.V.Zubar, V.P.Dotsenko 2 164

- Dragunov I.E.** – Phenomenological model of surface-induced anisotropy in magnetic nanostructures A.A. Leonov, I.E. Dragunov, U.K. Roessler, A.N. Bogdanov 1 109
- Dukarov S.V.** – Heteronanoparticles of silicon dioxide with shell of Pt nanocrystals N.A. Matveevskaya, M.V. Dobrotvorskaya, S.V. Dukarov, Z.I. Kolupaeva 1 81
- Dzyubenko M.I.** – Aluminium barium phosphate glass laser emitting at $\lambda = 1.54 \mu\text{m}$ M.I. Dzyubenko, V.A. Konradiy, V.V. Maslov, Yu.P. Nikolaev, V.V. Shevchenko 3 455
- Efryushina N.P.** – Distribution and luminescence characteristics of Ce^{3+} ions in calcium hydroxyapatite I.V. Berezovskaya, N.P. Efryushina, G.B. Stryganyuk, A.S. Voloshinovskii, E.V. Zubar, V.P. Dotsenko 2 164
- Ekomasov E.G.** – Magnetic inhomogeneities of soliton and breather type in magnetics with local nonhomogeneities of anisotropy E.G. Ekomasov, Sh.A. Azamatov, R.R. Murtazin 2 235
- Eksperiandova L.P.** – Specific features of dielectric water determination in alcohols used in synthesis and analysis of functional materials T.A. Blank, L.P. Eksperiandova, O.Ts. Sidletsky, N.A. Kasyan, L.N. Lisetsky 2 301
- El-Astal A.H.** – Characteristics of electromagnetic and magneto-static surface waves in metal-dielectric-ferrite-left handed waveguide layered structure A.H. El-Astal, M.S. Hamada, M.M. Shabat 1 102
- Eremenko A.I.** – Temperature and composition effects on elastic properties of CdZnSb solid solution single crystals V.N. Balazyuk, A.I. Eremenko, N.D. Raransky 3 343
- Faryna I.O.** – The effect of impurity and intrinsic defects on the energy structure and dynamic of electronic processes CdTe:V and $\text{Cd}_{1-x}\text{Hg}_x\text{Te}:\text{V}$ crystals Yu.P. Gnatenko, P.M. Bukivskij, Yu.P. Piryatinski, I.O. Faryna, M.S. Furyer, R.V. Gamernyk 1 23
- Fechan A.** – The active medium scattering characteristics of liquid crystal displays Z. Mykytyuk, A. Fechan, O. Sushynsky, M. Shymchyshyn, Y. Bashtyk 3 459
- Fedorchenko V.D.** – Corrosion resistance of Nd-Fe-B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M. Bovda, V.O. Bovda, V.V. Chebotarev, V.D. Fedorchenko, I.E. Garkusha, L.V. Onischenko, M.D. Sakhnenko, V.I. Terreshin, O.S. Tortika, M.V. Ved' 4 589
- Fedorenko O.A.** – ZnMgSe: Cr^{2+} single crystal: a novel material for active elements of tunable IR region lasers (rapid communication) Yu.A. Zagoruiko, N.O. Kovalenko, O.A. Fedorenko, V.A. Khristyan 2 247
- Fedorenko O.A.** – Photostimulated passivation of spectrometric CdZnTe detectors Yu.A. Zagoruiko, N.O. Kovalenko, O.A. Fedorenko, V.K. Komar, S.V. Sulima, M.V. Dobrotvorskaya, I.S. Terzin 2 249
- Fedorov S.A.** – Peculiarities of photonic band gap width dependence upon concentration of the admixture layers randomly included in composite material V.V. Romyantsev, S.A. Fedorov, E. Ya. Shterman 2 223
- Filipov V.B.** – Thermionic properties of $\text{LaB}_6-(\text{T}_{0.6}\text{Zr}_{0.4})\text{B}_2$ material Yu.B. Paderno, A.A. Taran, D.A. Voronovich, V.N. Paderno, V.B. Filipov 1 63
- Finkel V.A.** – Effect of silver on thermal e.m.f. and electric resistance of La-Sr-Co-O ceramics A.A. Kozlovskii, V.F. Khirnyi, T.G. Deineka, A.V. Semenov, V.M. Puzikov, P.V. Mateychenko, V.A. Finkel 1 78
- Fiyala Ya.M.** – Structural and energy changes at the cleavage surfaces of In_4Se_3 layered crystals under interface formation P.V. Galiy, T.M. Nenchuk, Ya.B. Losovyj, Ya.M. Fiyala 1 68
- Focsha A.A.** – Integrated detectors of ionizing radiation based on $\text{ZnSe}(\text{Te})/\rho\text{ZnTe}-\eta\text{CdSe}$ structures N.G. Starzhinskiy, B.V. Grinyov, P.A. Gashin, A.A. Focsha, A.B. Galat, V.D. Ryzhikov, K.A. Katrunov, I.M. Zenya 1 115
- Fokina N.P.** – FMR linewidth and resonance frequency shift caused by double exchange in doped lanthanum manganites K.O. Khutsishvili, N.P. Fokina 2 209
- Fominykh E.G.** – Dependence of electrolytic properties of CaYb_2S_4 phases on the overstoichiometric content of binary sulfides L.A. Kalinina, Ju.N. Ushakova, B.A. Ananchenko, E.G. Fominykh, G.I. Shirokova 3 369
- Franc J.** – Nanodimensional formations on the CdTe and $\text{Zn}_x\text{Cd}_{1-x}\text{Te}$ surfaces at chemical etching Z.F. Tomashyk, V.M. Tomashyk, I.I. Hnativ, I.B. Stratiychuk, P. Moravec, J. Franc, V. Ivanitska 2 265
- Furyer M.S.** – The effect of impurity and intrinsic defects on the energy structure and dynamic of electronic processes CdTe:V and $\text{Cd}_{1-x}\text{Hg}_x\text{Te}:\text{V}$ crystals Yu.P. Gnatenko, P.M. Bukivskij, Yu.P. Piryatinski, I.O. Faryna, M.S. Furyer, R.V. Gamernyk 1 23
- Galat A.B.** – Integrated detectors of ionizing radiation based on $\text{ZnSe}(\text{Te})/\rho\text{ZnTe}-\eta\text{CdSe}$ structures N.G. Starzhinskiy, B.V. Grinyov, P.A. Gashin, A.A. Focsha, A.B. Galat, V.D. Ryzhikov, K.A. Katrunov, I.M. Zenya 1 115
- Galchinetskii L.** – Schottky structures $n\text{ZnSe}(\text{O},\text{Te})/\text{Ni}$ as candidates for selective ultraviolet detectors K. Katrunov, N. Starzhinskiy, B. Grinyov, L. Galchinetskii, G. Bendeberya, E. Bondarenko 3 364
- Galchinetskii L.P.** – Effect of technology parameters on the quality of $n\text{ZnSe}(\text{X})/\text{Ni}$ Schottky diodes K.A. Katrunov, L.P. Galchinetskii, B.V. Grinyov, N.G. Starzhinskiy, G.N. Bendeberya, E.A. Bondarenko 4 585
- Galenin E.P.** – Surface defects of BGO crystals E.P. Galenin, I.V. Gerasymov, V.T. Nahornyak, O.Ts. Sidletsky, S.A. Tkachenko 2 274
- Galiy P.V.** – Structural and energy changes at the cleavage surfaces of In_4Se_3 layered crystals under interface formation P.V. Galiy, T.M. Nenchuk, Ya.B. Losovyj, Ya.M. Fiyala 1 68
- Galunov N.Z.** – Semi-empirical description of quenching processes in a track of ionizing particles for organic crystalline scintillators N.Z. Galunov, E.V. Martynenko 3 380

- Gamernyk R.V.** – The effect of impurity and intrinsic defects on the energy structure and dynamic of electronic processes CdTe:V and Cd_{1-x}Hg_xTe:V crystals Yu.P.Gnatenko, P.M.Bukivskij, Yu.P.Piryatinski, I.O.Faryna, M.S.Furyer, R.V.Gamernyk 1 23
- Ganina I.I.** – Migration-enhanced energy transfer from host to dopant in Sr₂CeO₄:Eu crystal A.A.Masalov, O.G.Vyagin, I.I.Ganina, Yu.V.Malyukin 4 470
- Garkusha I.E.** – Corrosion resistance of Nd-Fe-B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M.Bovda, V.O.Bovda, V.V.Chebotarev, V.D.Fedorchenko, I.E.Garkusha, L.V.Onischenko, M.D.Sakhnenko, V.I.Tereshin, O.S.Tortika, M.V.Ved' 4 589
- Gashin P.A.** – Integrated detectors of ionizing radiation based on ZnSe(Te)/pZnTe-nCdSe structures N.G.Starzhinskiy, B.V.Grinyov, P.A.Gashin, A.A.Focsha, A.B.Galat, V.D.Ryzhikov, K.A.Katrunov, I.M.Zenya 1 115
- Gavrylyuk N.A.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, P.Dmytrenko, N.P.Kulich, Yu.I.Prylutskiy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Gavrylyuk V.P.** – Light collection peculiarities in X-ray scintillation detectors T.E.Gorbacheva, V.A.Tarasov, Yu.T.Viday, A.A.Ananenko, V.P.Gavrylyuk 1 97
- Gayvoronsky V.** – Growth and characterization of KH₂PO₄ single crystals doped with TiO₂ nanocrystals I.Pritula, V.Gayvoronsky, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Gayvoronsky V.** – The effect of thermal annealing on linear and nonlinear optical response of dyed KDP crystals I.Pritula, V.Gayvoronsky, Yu.Gromov, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova 4 561
- Gerasymov I.V.** – Surface defects of BGO crystals E.P.Galenin, I.V.Gerasymov, V.T.Nahornyak, O.Ts.Sidletskiy, S.A.Tkachenko 2 274
- Gnatenko Yu.P.** – NQR investigation of crystal structure peculiarities of layered Pb_{1-x}Cd_xTe₂ semiconductors Yu.P.Gnatenko, I.A.Beinik, A.I.Barabash, I.G.Vertegel, E.D.Chesnokov, A.I.Ovcharenko, L.S.Ivanova 2 175
- Gnatenko Yu.P.** – The effect of impurity and intrinsic defects on the energy structure and dynamic of electronic processes CdTe:V and Cd_{1-x}Hg_xTe:V crystals Yu.P.Gnatenko, P.M.Bukivskij, Yu.P.Piryatinski, I.O.Faryna, M.S.Furyer, R.V.Gamernyk 1 23
- Golyshev V.D.** – Development of thermal regime control for crucibleless AHP method V.I.Deshko, V.D.Golyshev, A.Ya.Karvatskii, Yu.V.Lokhmanets 1 90
- Gonzalez A.J.Marrugo** – 8-Hydroxyquinoline derivatives with 2-pyrazoline fragment in chromophore system as chelating agents for polyvalent metals A.J.Marrugo Gonzalez, V.D.Orlov, A.O.Doroshenko 2 299
- Gorbacheva T.E.** – Influence of inorganic scintillator light output non-proportionality and energy of registered ionizing radiation on radiometric parameters of detectors on their base Yu.T.Viday, V.A.Tarasov, T.E.Gorbacheva 2 279
- Gorbacheva T.E.** – Light collection peculiarities in X-ray scintillation detectors T.E.Gorbacheva, V.A.Tarasov, Yu.T.Viday, A.A.Ananenko, V.P.Gavrylyuk 1 97
- Goriletsky V.I.** – Effect of growth atmosphere composition on heat and mass transfer at continuous feed growth of scintillation crystals from melt M.M.Tymoshenko, V.I.Goriletsky, V.V.Vasylyev, V.I.Sumin, O.T.Sidletskiy, T.O.Ilyashenko 3 438
- Goriletsky V.I.** – Volume defects of crystal structure in alkali halide crystals grown from melt by continuous automated method V.I.Goriletsky, M.M.Tymoshenko, V.V.Vasylyev, T.O.Ilyashenko 4 550
- Gorobets Yu.N.** – Growth and scintillation properties of NaLa(WO₄)₂ and NaLa(MoO₄)₂ single crystals V.N.Baumer, Yu.N.Gorobets, M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, O.V.Zelenskaya 4 537
- Gorobets Yu.I.** – Influence of damping parameter on reflection of bulk spin waves from the uniaxial multilayer ferromagnetic structure Yu.I.Gorobets, S.A.Reshetnyak, T.A.Homenko 2 239
- Grabovskiy Yu.E.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, P.Dmytrenko, N.P.Kulich, Yu.I.Prylutskiy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Grigorov S.N.** – Growth of crystals with bent crystalline lattice in amorphous semiconductor films A.G.Bagmut, S.N.Grigorov, V.M.Kosevich, E.A.Lyubchenko, G.P.Nikolaychuk, D.N.Samoylenko 3 332
- Grinyov B.** – Schottky structures nZnSe(O,Te)/Ni as candidates for selective ultraviolet detectors K.Katrunov, N.Starzhinskiy, B.Grinyov, L.Galchinetkii, G.Bendeberya, E.Bondarenko 3 364
- Grinyov B.V.** – Effect of technology parameters on the quality of nZnSe(X)/Ni Schottky diodes K.A.Katrunov, L.P.Galchinetkii, B.V.Grinyov, N.G.Starzhinskiy, G.N.Bendeberya, E.A.Bondarenko 4 585
- Grinyov B.V.** – Integrated detectors of ionizing radiation based on ZnSe(Te)/pZnTe-nCdSe structures N.G.Starzhinskiy, B.V.Grinyov, P.A.Gashin, A.A.Focsha, A.B.Galat, V.D.Ryzhikov, K.A.Katrunov, I.M.Zenya 1 115

- Gromov Yu.** – The effect of thermal annealing on linear and nonlinear optical response of dyed KDP crystals I.Pritula, V.Gayvoronsky, Yu.Gromov, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova 4 561
- Grynyov R.S.** – Comparison of two polymethine dyes used as exciton traps for amphi-PIC J-aggregates R.S.Grynyov, A.V.Sorokin, G.Ya.Guralchuk, S.L.Yefimova, I.A.Borovoy, Yu.V.Malyukin 4 475
- Guralchuk G.Ya.** – Comparison of two polymethine dyes used as exciton traps for amphi-PIC J-aggregates R.S.Grynyov, A.V.Sorokin, G.Ya.Guralchuk, S.L.Yefimova, I.A.Borovoy, Yu.V.Malyukin 4 475
- Gurina G.I.** – Changes in optical properties, structure and chemical composition of thin-film Ag-PbI₂ systems at intercalation of ammonia V.V.Mussil, Ye.T.Lemeshevskaya, V.V.Pilipenko, G.I.Gurina 4 594
- Gusakova L.G.** – High-sensitivity piezoceramic elements for medical ultrasonic examination equipment N.A.Spiridonov, L.G.Gusakova, V.M.Pogybko, V.N.Spiridonov, V.M.Ischuk 2 269
- Gvozдовskyy I.A.** – Rotation of small crystals of non-chiral substances at the top of a cholesteric droplet: an inverse case of the Lehmann-type effect I.A.Gvozдовskyy, L.N.Lisetski 3 388
- Hamada M.S.** – Characteristics of electromagnetic and magneto-static surface waves in metal-dielectric-ferrite-left handed waveguide layered structure A.H.El-Astal, M.S.Hamada, M.M.Shabat 1 102
- Hnativ I.I.** – Nanodimensional formations on the CdTe and Zn_xCd_{1-x}Te surfaces at chemical etching Z.F.Tomashyk, V.M.Tomashyk, I.I.Hnativ, I.B.Stratiychuk, P.Moravec, J.Franc, V.Ivanitska 2 265
- Homenko T.A.** – Influence of damping parameter on reflection of bulk spin waves from the uniaxial multilayer ferromagnetic structure Yu.I.Gorobets, S.A.Reshetnyak, T.A.Homenko 2 239
- Il'yashenko E.I.** – Effect of low-energy ion bombardment during the sputtering on the crystal structure of FePt films V.V.Naumov, E.I.Il'yashenko 3 356
- Ilin O.A.** – Optical properties of quantum-sized structures and two-dimensional photon crystals fabricated in semiconductor substrates using irreversible giant modification A.M.Kamuz, P.F.Oleksenko, O.A.Kamuz, O.A.Ilin, A.V.Stronski 4 608
- Ilyashenko T.O.** – Effect of growth atmosphere composition on heat and mass transfer at continuous feed growth of scintillation crystals from melt M.M.Tymoshenko, V.I.Goriletsky, V.V.Vasylyev, V.I.Sumin, O.T.Sidletskiy, T.O.Ilyashenko 3 438
- Ilyashenko T.O.** – Volume defects of crystal structure in alkali halide crystals grown from melt by continuous automated method V.I.Goriletsky, M.M.Tymoshenko, V.V.Vasylyev, T.O.Ilyashenko 4 550
- Irgibaeva I.S.** – Effect of luminophor/polymeric matrix chemical binding factor on the luminescence of PMMA-based scintillation composition A.A.Aldongarov, N.N.Barashkov, I.S.Irgibaeva, O.A.Khakhel, Yu.E.Sakhno 3 398
- Isaeva L.P.** – ZrN coatings on U8 steel obtained by electrospray alloying after a concentrated solar irradiation A.V.Paustovsky, V.V.Pasichny, V.I.Novikova, N.M.Mordovets, L.P.Isaeva, S.A.Ostapenko 3 429
- Ischuk V.M.** – High-sensitivity piezoceramic elements for medical ultrasonic examination equipment N.A.Spiridonov, L.G.Gusakova, V.M.Pogybko, V.N.Spiridonov, V.M.Ischuk 2 269
- Ishchuk V.M.** – Tuning of piezoelectric parameters in the phase transition process via the transient state V.M.Ishchuk, N.A.Spiridonov 1 11
- Iunin Yu.L.** – On the nature of asymmetry of nucleation centers activity in ultrathin Co films and Co/Pt multilayers Yu.L.Iunin, Yu.P.Kabanov, V.I.Nikitenko, X.M.Cheng, A.J.Shapiro, C.L.Chien, R.D.Shull 1 51
- Ivakhnenko S.M.** – Temperature conditions in a cone S.M.Ivakhnenko, M.A.Serga, S.N.Shevchuk, V.V.Yanovsky 4 505
- Ivanitska V.** – Nanodimensional formations on the CdTe and Zn_xCd_{1-x}Te surfaces at chemical etching Z.F.Tomashyk, V.M.Tomashyk, I.I.Hnativ, I.B.Stratiychuk, P.Moravec, J.Franc, V.Ivanitska 2 265
- Ivanov Yu.N.** – Local polar order in the ferroelectric relaxor Na_{1/2}Bi_{1/2}TiO₃ as studied by ²³Na NMR Yu.E.Yablonskaya, I.P.Aleksandrova, A.A.Sukhovskiy, Yu.N.Ivanov 1 46
- Ivanova L.S.** – NQR investigation of crystal structure peculiarities of layered Pb_x-₇Cd_xl₂ semiconductors Yu.P.Gnatenko, I.A.Beinik, A.I.Barabash, I.G.Vertegel, E.D.Chesnokov, A.I.Ovcharenko, L.S.Ivanova 2 175
- Kabanov Yu.P.** – On the nature of asymmetry of nucleation centers activity in ultrathin Co films and Co/Pt multilayers Yu.L.Iunin, Yu.P.Kabanov, V.I.Nikitenko, X.M.Cheng, A.J.Shapiro, C.L.Chien, R.D.Shull 1 51
- Kalinina L.A.** – Dependence of electrolytic properties of CaYb₂S₄ phases on the overstoichiometric content of binary sulfides L.A.Kalinina, Ju.N.Ushakova, B.A.Ananchenko, E.G.Fominykh, G.I.Shirokova 3 369
- Kamuz O.A.** – Optical properties of quantum-sized structures and two-dimensional photon crystals fabricated in semiconductor substrates using irreversible giant modification A.M.Kamuz, P.F.Oleksenko, O.A.Kamuz, O.A.Ilin, A.V.Stronski 4 608
- Kamuz A.M.** – Optical properties of quantum-sized structures and two-dimensional photon crystals fabricated in semiconductor substrates using irreversible giant modification A.M.Kamuz, P.F.Oleksenko, O.A.Kamuz, O.A.Ilin, A.V.Stronski 4 608
- Kanischev V.N.** – On the cellular structure period of the crystallization front of a binary melt V.N.Kanischev, S.V.Barannik 4 517

- Kaplienko A.I.** – Magnetic resonance and anisotropy in multilayer Co/Cu (111) system K.V.Kutko, A.I.Kaplienko, E.P.Nikolova, A.G.Anders, V.V.Zorchenko, A.N.Stetsenko 3 350
- Karvatskii A.Ya.** – Control of radiation-conductive heat exchange at crystal growth from melt V.I.Deshko, A.Ya.Karvatskii, A.V.Lenkin, Yu.V.Lokhmanets 2 229
- Karvatskii A.Ya.** – Development of thermal regime control for crucibleless AHP method V.I.Deshko, V.D.Golyshev, A.Ya.Karvatskii, Yu.V.Lokhmanets 1 90
- Kasyan N.A.** – Specific features of dielectric water determination in alcohols used in synthesis and analysis of functional materials T.A.Blank, L.P.Eksperiandova, O.Ts.Sidletsky, N.A.Kasyan, L.N.Lisetsky 2 301
- Katrunov K.A.** – Integrated detectors of ionizing radiation based on ZnSe(Te)/pZnTe-nCdSe structures N.G.Starzhinskiy, B.V.Grinyov, P.A.Gashin, A.A.Focsha, A.B.Galat, V.D.Ryzhikov, K.A.Katrunov, I.M.Zenya 1 115
- Katrunov K.** – Schottky structures nZnSe(O,Te)/Ni as candidates for selective ultraviolet detectors K.Katrunov, N.Starzhinskiy, B.Grinyov, L.Galchinetskiy, G.Bendeberya, E.Bondarenko 3 364
- Katrunov K.A.** – Effect of technology parameters on the quality of nZnSe(X)/Ni Schottky diodes K.A.Katrunov, L.P.Galchinetskiy, B.V.Grinyov, N.G.Starzhinskiy, G.N.Bendeberya, E.A.Bondarenko 4 585
- Khakhel O.A.** – Effect of luminophor/polymeric matrix chemical binding factor on the luminescence of PMMA-based scintillation composition A.A.Aldongarov, N.N.Barashkov, I.S.Irgibaeva, O.A.Khakhel, Yu.E.Sakhno 3 398
- Kharchenko M.F.** – Linear in magnetic field increase of the magneto-optical Kerr effect in multilayered Co/Cu films I.M.Lukienko, M.F.Kharchenko, V.V.Zorchenko, A.N.Stetsenko 1 56
- Kharchenko V.O.** – Dynamical regimes reconstruction in three-component bistable system with dispersive relaxation time E.D. Belokolos, V.O. Kharchenko 4 496
- Khirnyi V.F.** – Effect of silver on thermal e.m.f. and electric resistance of La-Sr-Co-O ceramics A.A.Kozlovskii, V.F.Khirnyi, T.G.Deineka, A.V.Semenov, V.M.Puzikov, P.V.Mateychenko, V.A.Finkel 1 78
- Khomchenko V.A.** – Unusual paramagnet to ferromagnet phase transition and magnetic inhomogeneities in hole doped manganites A.V.Lazuta, V.A.Ryzhov, I.A.Kiselev, Yu.P.Chernenkov, O.P.Smirnov, P.L.Molkanov, I.O.Troyanchuk, V.A.Khomchenko 2 178
- Khovailo V.V.** – A composite functional material with shape memory effect exhibiting a giant reversible straining D.I.Zakharov, A.G.Kirilin, V.V.Koledov, G.A.Lebedev, E.P.Perov, V.G.Pushin, V.V.Khovailo, V.G.Shavrov, A.V.Shelyakov 3 448
- Khristyan V.A.** – ZnMgSe:Cr²⁺ single crystal: a novel material for active elements of tunable IR region lasers (rapid communication) Yu.A.Zagoruiko, N.O.Kovalenko, O.A.Fedorenko, V.A.Khristyan 2 247
- Khutsishvili K.O.** – FMR linewidth and resonance frequency shift caused by double exchange in doped lanthanum manganites K.O.Khutsishvili, N.P.Fokina 2 209
- Kirichenko M.V.** – Double-layer ITO/Al back surface reflector for single-junction silicon photoconverters V.R.Kopach, M.V.Kirichenko, S.V.Shramko, R.V.Zaitsev 4 604
- Kirichenko M.V.** – New approach to the efficiency increase problem for multi-junction silicon photovoltaic converters with vertical diode cells V.R.Kopach, M.V.Kirichenko, S.V.Shramko, R.V.Zaitsev, S.A.Bondarenko 2 253
- Kirilin A.G.** – A composite functional material with shape memory effect exhibiting a giant reversible straining D.I.Zakharov, A.G.Kirilin, V.V.Koledov, G.A.Lebedev, E.P.Perov, V.G.Pushin, V.V.Khovailo, V.G.Shavrov, A.V.Shelyakov 3 448
- Kiselev I.A.** – Unusual paramagnet to ferromagnet phase transition and magnetic inhomogeneities in hole doped manganites A.V.Lazuta, V.A.Ryzhov, I.A.Kiselev, Yu.P.Chernenkov, O.P.Smirnov, P.L.Molkanov, I.O.Troyanchuk, V.A.Khomchenko 2 178
- Kisil I.I.** – Growing of NaI:Tl crystal plates in garnissage I.I.Kisil, V.I.Taranyuk, S.V.Yaroslavkin 4 600
- Klochko N.P.** – Electrochemical deposition of cadmium telluride films N.P.Klochko, N.D.Volkova, M.V.Dobrotvorskaya, V.R.Kopach, T.A.Li 1 119
- Klyahina N.A.** – Structure of tantalum diboride thin films deposited by RF-magnetron sputtering V.A.Konovalov, D.N.Terpiy, N.A.Klyahina, I.G.Kostenko, L.A.Vasetskaya 1 144
- Knyazeva I.V.** – Determination of side products of stilbene synthesis by gas chromatography and chromatomass spectrometry V.A.Averin, R.I.Aruslanova, S.V.Budakovskiy, V.L.Volkov, V.V.Vashchenko, I.V.Knyazeva 2 293
- Kokorin V.V.** – Narrowing of the martensite transformation temperature hysteresis in ferromagnetic Fe-Co-Ni-Ti alloys doped with Cu V.V.Kokorin, L.E.Kozlova, A.E.Perekos, Yu.S.Levchuk, T.V.Ruzhitskaya 1 6
- Koledov V.V.** – A composite functional material with shape memory effect exhibiting a giant reversible straining D.I.Zakharov, A.G.Kirilin, V.V.Koledov, G.A.Lebedev, E.P.Perov, V.G.Pushin, V.V.Khovailo, V.G.Shavrov, A.V.Shelyakov 3 448
- Kolupaeva Z.I.** – Heteronanoparticles of silicon dioxide with shell of Pt nanocrystals N.A.Matveevskaya, M.V.Dobrotvorskaya, S.V.Dukarov, Z.I.Kolupaeva 1 81
- Kolupaeva Z.I.** – Luminescent ceramics based on polycrystalline calcium fluorapatite Ca₁₀(PO₄)₆F₂:Eu³⁺ N.V.Babayevskaya, P.V.Mateychenko, T.G.Deineka, Z.I.Kolupaeva 2 259

- Kolybaeva M.** – Growth and characterization of KH_2PO_4 single crystals doped with TiO_2 nanocrystals I.Pritula, V.Gayvoronsky, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Kolybaeva M.** – The effect of thermal annealing on linear and nonlinear optical response of dyed KDP crystals I.Pritula, V.Gayvoronsky, Yu.Gromov, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova 4 561
- Komar V.K.** – Photostimulated passivation of spectrometric CdZnTe detectors Yu.A.Zagoruiko, N.O.Kovalenko, O.A.Fedorenko, V.K.Komar, S.V.Sulima, M.V.Dobrotvorskaya, I.S.Terzin 2 249
- Kondratenko V.V.** – Initial stages of diffusion and phase formation in Sc/Si layered systems D.L.Voronov, E.N.Zubarev, V.V.Kondratenko, Yu.P.Pershyn, V.A.Sevryukova, Ye.A.Bugayev 1 30
- Kondratenko P.A.** – Sensitization processes in materials based on compounds containing a Xe-O bond P.A.Kondratenko, Yu.M.Lopatkin, T.N.Sakun 2 192
- Kondratenko P.A.** – Excited states in dye-based functional materials P.A.Kondratenko, Yu.M.Lopatkin, T.N.Sakun 3 392
- Konevskiy P.V.** – Specific growing features of variable section sapphire articles by Stepanov technique P.V.Konevskiy, E.P.Andreev, L.A.Lytvynov 2 283
- Konovalov V.A.** – Structure of tantalum diboride thin films deposited by RF-magnetron sputtering V.A.Konovalov, D.N.Terpiy, N.A.Klyahina, I.G.Kostenko, L.A.Vasetskaya 1 144
- Konrady V.A.** – Aluminium barium phosphate glass laser emitting at $\lambda = 1.54 \mu\text{m}$ M.I.Dzyubenko, V.A.Konrady, V.V.Maslov, Yu.P.Nikolaev, V.V.Shevchenko 3 455
- Konstantiniva T.** – Growth and characterization of KH_2PO_4 single crystals doped with TiO_2 nanocrystals I.Pritula, V.Gayvoronsky, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Kopach V.R.** – Electrochemical deposition of cadmium telluride films N.P.Klochko, N.D.Volkova, M.V.Dobrotvorskaya, V.R.Kopach, T.A.Li 1 119
- Kopach V.R.** – Double-layer ITO/Al back surface reflector for single-junction silicon photoconverters V.R.Kopach, M.V.Kirichenko, S.V.Shramko, R.V.Zaitsev 4 604
- Kopach V.R.** – New approach to the efficiency increase problem for multi-junction silicon photovoltaic converters with vertical diode cells V.R.Kopach, M.V.Kirichenko, S.V.Shramko, R.V.Zaitsev, S.A.Bondarenko 2 253
- Kopylovsky M.** – Growth and characterization of KH_2PO_4 single crystals doped with TiO_2 nanocrystals I.Pritula, V.Gayvoronsky, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Kopylovsky M.** – The effect of thermal annealing on linear and nonlinear optical response of dyed KDP crystals I.Pritula, V.Gayvoronsky, Yu.Gromov, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova 4 561
- Kosevich V.M.** – Growth of crystals with bent crystalline lattice in amorphous semiconductor films A.G.Bagmut, S.N.Grigorov, V.M.Kosevich, E.A.Lyubchenko, G.P.Nikolaychuk, D.N.Samoylenko 3 332
- Kosinova A.** – Growth and characterization of KH_2PO_4 single crystals doped with TiO_2 nanocrystals I.Pritula, V.Gayvoronsky, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Kosinova A.** – The effect of thermal annealing on linear and nonlinear optical response of dyed KDP crystals I.Pritula, V.Gayvoronsky, Yu.Gromov, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova 4 561
- Kosmyna M.B.** – Transparent ceramics of yttrium-aluminum garnet ($\text{Y}_3\text{Al}_5\text{O}_{12}$) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Kosmyna M.B.** – Growth and scintillation properties of $\text{NaLa}(\text{WO}_4)_2$ and $\text{NaLa}(\text{MoO}_4)_2$ single crystals V.N.Baumer, Yu.N.Gorobets, M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, O.V.Zelenskaya 4 537
- Kostenko I.G.** – Structure of tantalum diboride thin films deposited by RF-magnetron sputtering V.A.Konovalov, D.N.Terpiy, N.A.Klyahina, I.G.Kostenko, L.A.Vasetskaya 1 144
- Kostyk L.** – Luminescence properties of $\text{Ca}_3\text{Ga}_2\text{Ge}_4\text{O}_{14}$ crystals L.Kostyk, O.Tsvetkova, G.Stryganyuk 4 487
- Kovalenko N.O.** – ZnMgSe:Cr^{2+} single crystal: a novel material for active elements of tunable IR region lasers (rapid communication) Yu.A.Zagoruiko, N.O.Kovalenko, O.A.Fedorenko, V.A.Khristyan 2 247
- Kovalenko N.O.** – Photostimulated passivation of spectrometric CdZnTe detectors Yu.A.Zagoruiko, N.O.Kovalenko, O.A.Fedorenko, V.K.Komar, S.V.Sulima, M.V.Dobrotvorskaya, I.S.Terzin 2 249
- Kozlova L.E.** – Narrowing of the martensite transformation temperature hysteresis in ferromagnetic Fe-Co-Ni-Ti alloys doped with Cu V.V.Kokorin, L.E.Kozlova, A.E.Perekos, Yu.S.Levchuk, T.V.Ruzhitskaya 1 6
- Kozlovskii A.A.** – Effect of silver on thermal e.m.f. and electric resistance of La-Sr-Co-O ceramics A.A.Kozlovskii, V.F.Khirnyi, T.G.Deineka, A.V.Semenov, V.M.Puzikov, P.V.Mateychenko, V.A.Finkel 1 78
- Krasnov V.** – Simulation of growth of graded bandgap GaAsP layers at liquid phase electroepitaxy V.Tsybulenko, Ye.Baganov, V.Krasnov, S.Shutov 3 413

- Kravchenko A.A.** – Energy spectrum and thermodynamics of quasi-one-dimensional ferrimagnets on the basis of transition metal compounds V.O.Cheranovskii, A.A.Kravchenko, T.O.Kuznetsova 4 511
- Krivosnogov S.I.** – Optical and luminescence characteristics of YAG:Ce crystals grown by horizontal directed crystallization in reducing gas medium S.V.Nizhankovsky, A.Ya.Dan'ko, V.M.Puzikov, Yu.N.Savvin, A.G.Trushkovsky, S.I.Krivosnogov 4 546
- Kryzhanovskaya A.S.** – Nanosized phosphors based on $Gd_{1-x}Eu_xPO_4$ obtained by low-temperature methods N.V.Babayevskaya, A.S.Kryzhanovskaya, Yu.N.Savvin, A.V.Tolmachev 3 433
- Kulich N.P.** – Radiation damage of isotactic polypropylene composites with multiwalled carbon nanotubes L.V.Diyakon, P.Dmytrenko, N.P.Kulich, Yu.I.Prylutskyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Kulyk S.P.** – Study of nanostructured layers of single-crystal silicon by scanning tunnel spectroscopy S.P.Kulyk, M.M.Melnichenko, K.V.Svezhentsova, O.M.Shmyryova 1 74
- Kutko K.V.** – Magnetic resonance and anisotropy in multilayer Co/Cu (111) system K.V.Kutko, A.I.Kaplienko, E.P.Nikolova, A.G.Anders, V.V.Zorchenko, A.N.Stetsenko 3 350
- Kutniy K.V.** – Biodegradable magnesium alloys for medical application I.I.Papirov, M.A.Tikhonovsky, K.V.Kutniy, A.I.Pikalov, S.V.Sivtsov, L.A.Pirozhenko, V.S.Shokurov 1 139
- Kuznetsova T.O.** – Energy spectrum and thermodynamics of quasi-one-dimensional ferrimagnets on the basis of transition metal compounds V.O.Cheranovskii, A.A.Kravchenko, T.O.Kuznetsova 4 511
- Lazuta A.V.** – Unusual paramagnet to ferromagnet phase transition and magnetic inhomogeneities in hole doped manganites A.V.Lazuta, V.A.Ryzhov, I.A.Kiselev, Yu.P.Chernikov, O.P.Smirnov, P.L.Molkanov, I.O.Troyanchuk, V.A.Khomchenko 2 178
- Lebedev G.A.** – A composite functional material with shape memory effect exhibiting a giant reversible straining D.I.Zakharov, A.G.Kirilin, V.V.Koledov, G.A.Lebedev, E.P.Perov, V.G.Pushin, V.V.Khovailo, V.G.Shavrov, A.V.Shelyakov 3 448
- Ledney M.F.** – Rayleigh light scattering on the director static inhomogeneities in filled flexoelectric nematic crystal M.F.Ledney 4 525
- Lemeshevskaya Ye.T.** – Changes in optical properties, structure and chemical composition of thin-film $Ag-PbI_2$ systems at intercalation of ammonia V.V.Mussil, Ye.T.Lemeshevskaya, V.V.Pilipenko, G.I.Gurina 4 594
- Lenkin A.V.** – Control of radiation-conductive heat exchange at crystal growth from melt V.I.Deshko, A.Ya.Karvatskii, A.V.Lenkin, Yu.V.Lokhmanets 2 229
- Leonov A.A.** – Phenomenological model of surface-induced anisotropy in magnetic nanostructures A.A.Leonov, I.E.Dragunov, U.K.Roessler, A.N.Bogdanov 1 109
- Levchuk Yu.S.** – Narrowing of the martensite transformation temperature hysteresis in ferromagnetic Fe-Co-Ni-Ti alloys doped with Cu V.V.Kokorin, L.E.Kozlova, A.E.Perekos, Yu.S.Levchuk, T.V.Ruzhitskaya 1 6
- Li T.A.** – Electrochemical deposition of cadmium telluride films N.P.Klochko, N.D.Volkova, M.V.Dobrotvorskaya, V.R.Kopach, T.A.Li 1 119
- Linnik A.I.** – Influence of intensive etching processes on structure and properties of carbon nitride films R.V.Shalaev, V.N.Varyukhin, A.M.Prudnikov, A.I.Linnik, I.V.Zhikharev, N.N.Belousov, D.V.Raspornya, A.N.Ulyanov 4 580
- Lisetski L.N.** – Rotation of small crystals of non-chiral substances at the top of a cholesteric droplet: an inverse case of the Lehmann-type effect I.A.Gvozdovskyy, L.N.Lisetski 3 388
- Lisetsky L.N.** – Specific features of dielectric water determination in alcohols used in synthesis and analysis of functional materials T.A.Blank, L.P.Eksperiandova, O.Ts.Sidletsky, N.A.Kasyan, L.N.Lisetsky 2 301
- Loboda V. B.** – The effect of giant magnetoresistance in Co/Cu/Co structure Yu.A.Shkurdoda, L.V.Dekhtyaruk, V. B. Loboda 1 38
- Lokhmanets Yu.V.** – Control of radiation-conductive heat exchange at crystal growth from melt V.I.Deshko, A.Ya.Karvatskii, A.V.Lenkin, Yu.V.Lokhmanets 2 229
- Lokhmanets Yu.V.** – Development of thermal regime control for crucibleless AHP method V.I.Deshko, V.D.Golyshev, A.Ya.Karvatskii, Yu.V.Lokhmanets 1 90
- Lopatkin Yu.M.** – Sensitization processes in materials based on compounds containing a Xe-O bond P.A.Kondratenko, Yu.M.Lopatkin, T.N.Sakun 2 192
- Lopatkin Yu.M.** – Excited states in dye-based functional materials P.A.Kondratenko, Yu.M.Lopatkin, T.N.Sakun 3 392
- Lopin A.V.** – Light scattering in silicon carbide nanocrystalline films A.V.Lopin 3 347
- Lopin A.V.** – Structural and optical characteristics of disordered silicon carbide films A.V.Lopin 4 492
- Losovyj Ya.B.** – Structural and energy changes at the cleavage surfaces of In_4Se_3 layered crystals under interface formation P.V.Galiy, T.M.Nenchuk, Ya.B.Losovyj, Ya.M.Fiyala 1 68
- Lukienko I.M.** – Linear in magnetic field increase of the magneto-optical Kerr effect in multilayered Co/Cu films I.M.Lukienko, M.F.Kharchenko, V.V.Zorchenko, A.N.Stetsenko 1 56
- Lysochenko S.V.** – Synthesis of charged silica films of porous structure Yu.S.Zharkikh, S.V.Lysochenko, O.A.Pylpenko, O.V.Tretyak 1 127

Lytvynov L.A. – Specific growing features of variable section sapphire articles by Stepanov technique P.V.Konevskiy, E.P.Andreev, L.A.Lytvynov	2	283	Matveevskaya N.A. – Heteronanoparticles of silicon dioxide with shell of Pt nanocrystals N.A.Matveevskaya, M.V.Dobrotvorskaya, S.V.Dukarov, Z.I.Kolupaeva	1	81
Lyubchenko E.A. – Growth of crystals with bent crystalline lattice in amorphous semiconductor films A.G.Bagmut, S.N.Grigorov, V.M.Kosevich, E.A.Lyubchenko, G.P.Nikolaychuk, D.N.Samoylenko	3	332	Melnichenko M.M. – Study of nanostructured layers of single-crystal silicon by scanning tunnel spectroscopy S.P.Kulyk, M.M.Melnichenko, K.V.Svezhentsova, O.M.Shmyryova	1	74
Makovetsky E.D. – Optical properties of nanostructures V.K.Miloslavsky, L.A.Ageev, E.D.Makovetsky, S.A.Maskevich	3	313	Miloslavsky V.K. – Optical properties of nanostructures V.K.Miloslavsky, L.A.Ageev, E.D.Makovetsky, S.A.Maskevich	3	313
Maksimova E.M. – Surface magnetism of non-ideal iron borate single crystal E.M.Maksimova, I.A.Nauhatsky, M.B.Strugatsky	2	244	Mirzoev I.G. – Magnetoresistive characteristics of bismuth films B.O.Avrarmenko, I.G.Mirzoev, A.G.Ravlik	1	87
Malyukin Yu.V. – Migration-enhanced energy transfer from host to dopant in $\text{Sr}_2\text{CeO}_4:\text{Eu}$ crystal A.A.Masalov, O.G.Vyagin, I.I.Ganina, Yu.V.Malyukin	4	470	Misiuk Andrzej – Silicon based materials for spintronics prepared by implantation and temperature – (pressure) treatment Andrzej Misiuk, Lee Chow	1	131
Malyukin Yu.V. – Comparison of two polymethine dyes used as exciton traps for amphi-PIC J-aggregates R.S.Grynyov, A.V.Sorokin, G.Ya.Guralchuk, S.L.Yefimova, I.A.Borovoy, Yu.V.Malyukin	4	475	Molkanov P.L. – Unusual paramagnet to ferromagnet phase transition and magnetic inhomogeneities in hole doped manganites A.V.Lazuta, V.A.Ryzhov, I.A.Kiselev, Yu.P.Chernenkov, O.P.Smirnov, P.L.Molkanov, I.O.Troyanchuk, V.A.Khomchenko	2	178
Mamalui Yu.A. – Spin-reorientation phase transitions in soft magnetic films of different anisotropy A.V.Bezus, Yu.A.Mamalui, Yu.A.Siryuk	2	218	Moravec P. – Nanodimensional formations on the CdTe and $\text{Zn}_x\text{Cd}_{1-x}\text{Te}$ surfaces at chemical etching Z.F.Tomashyk, V.M.Tomashyk, I.I.Hnativ, I.B.Stratiychuk, P.Moravec, J.Franc, V.Ivanitska	2	265
Mamalui Ju.A. – Magnetostatic pressure as a factor of spiral domain stabilization in ferrite-garnet films Ju.A.Mamalui, Ju.A.Siryuk	3	376	Mordovets N.M. – ZrN coatings on U8 steel obtained by electrospark alloying after a concentrated solar irradiation A.V.Pausovskiy, V.V.Pasichny, V.I.Novikova, N.M.Mordovets, L.P.Isaeva, S.A.Ostapenko	3	429
Martynenko E.V. – Semi-empirical description of quenching processes in a track of ionizing particles for organic crystalline scintillators N.Z.Galunov, E.V.Martynenko	3	380	Murtazin R.R. – Magnetic inhomogeneities of soliton and breather type in magnetics with local nonhomogeneities of anisotropy E.G.Ekomasov, Sh.A.Azamatov, R.R.Murtazin	2	235
Masalov A.A. – Migration-enhanced energy transfer from host to dopant in $\text{Sr}_2\text{CeO}_4:\text{Eu}$ crystal A.A.Masalov, O.G.Vyagin, I.I.Ganina, Yu.V.Malyukin	4	470	Mussil V.V. – Changes in optical properties, structure and chemical composition of thin-film Ag-PbI_2 systems at intercalation of ammonia V.V.Mussil, Ye.T.Lemeshevskaya, V.V.Pilipenko, G.I.Gurina	4	594
Maskevich S.A. – Optical properties of nanostructures V.K.Miloslavsky, L.A.Ageev, E.D.Makovetsky, S.A.Maskevich	3	313	Myagkota S.V. – Spectral and kinetic characteristics of luminescence in CsI-Ca crystals S.V.Myagkota, A.S.Pushak, G.B.Stryganyuk, S.S.Novosad, I.P.Pashuk	2	187
Maslov V.V. – Aluminium barium phosphate glass laser emitting at $\lambda = 1.54 \mu\text{m}$ M.I.Dzyubenko, V.A.Konradiy, V.V.Maslov, Yu.P.Nikolaev, V.V.Shevchenko	3	455	Mykytyuk Z. – The active medium scattering characteristics of liquid crystal displays Z.Mykytyuk, A.Fechan, O.Sushynsky, M.Shymchyshyn, Y.Bashtyk	3	459
Mateychenko P.V. – Luminescent ceramics based on polycrystalline calcium fluorapatite $\text{Ca}_{10}(\text{PO}_4)_6\text{F}_2:\text{Eu}^{3+}$ N.V.Babayevskaya, P.V.Mateychenko, T.G.Deineka, Z.I.Kolupaeva	2	259	Nahornyak V.T. – Surface defects of BGO crystals E.P.Galenin, I.V.Gerasymov, V.T.Nahornyak, O.Ts.Sidletskiy, S.A.Tkachenko	2	274
Mateychenko P.V. – Effect of silver on thermal e.m.f. and electric resistance of La-Sr-Co-O ceramics A.A.Kozlovskii, V.F.Khirnyi, T.G.Deineka, A.V.Semenov, V.M.Puzikov, P.V.Mateychenko, V.A.Finkel	1	78	Nauhatsky I.A. – Surface magnetism of non-ideal iron borate single crystal E.M.Maksimova, I.A.Nauhatsky, M.B.Strugatsky	2	244
Mateychenko P.V. – Transparent ceramics of yttrium-aluminum garnet ($\text{Y}_3\text{Al}_5\text{O}_{12}$) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy	4	540	Naumov V.V. – Effect of low-energy ion bombardment during the sputtering on the crystal structure of FePt films V.V.Naumov, E.I.Ilyashenko	3	356

- Nazarenko B.P.** – Growth and scintillation properties of $\text{NaLa}(\text{WO}_4)_2$ and $\text{NaLa}(\text{MoO}_4)_2$ single crystals V.N.Baumer, Yu.N.Gorobets, M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, O.V.Zelenskaya 4 537
- Nenchuk T.M.** – Structural and energy changes at the cleavage surfaces of In_4Se_3 layered crystals under interface formation P.V.Galiy, T.M.Nenchuk, Ya.B.Losovyj, Ya.M.Fiyala 1 68
- Nikitenko V.I.** – On the nature of asymmetry of nucleation centers activity in ultrathin Co films and Co/Pt multilayers Yu.L.Iunin, Yu.P.Kabanov, V.I.Nikitenko, X.M.Cheng, A.J.Shapiro, C.L.Chien, R.D.Shull 1 51
- Nikolaev Yu.P.** – Aluminium barium phosphate glass laser emitting at $\lambda = 1.54 \mu\text{m}$ M.I.Dzyubenko, V.A.Konradiy, V.V.Maslov, Yu.P.Nikolaev, V.V.Shevchenko 3 455
- Nikolaychuk G.P.** – Growth of crystals with bent crystalline lattice in amorphous semiconductor films A.G.Bagmut, S.N.Grigorov, V.M.Kosevich, E.A.Lyubchenko, G.P.Nikolaychuk, D.N.Samoylenko 3 332
- Nikolova E.P.** – Magnetic resonance and anisotropy in multilayer Co/Cu (111) system K.V.Kutko, A.I.Kaplienko, E.P.Nikolova, A.G.Anders, V.V.Zorchenko, A.N.Stetsenko 3 350
- Nizhankovsky S.V.** – Optical and luminescence characteristics of YAG:Ce crystals grown by horizontal directed crystallization in reducing gas medium S.V.Nizhankovsky, A.Ya.Dan'ko, V.M.Puzikov, Yu.N.Savvin, A.G.Trushkovsky, S.I.Krivotogov 4 546
- Novikova V.I.** – ZrN coatings on U8 steel obtained by electrospark alloying after a concentrated solar irradiation A.V.Paustovsky, V.V.Pasichny, V.I.Novikova, N.M.Mordovets, L.P.Isaeva, S.A.Ostapenko 3 429
- Novosad S.S.** – Spectral and kinetic characteristics of luminescence in CsI-Ca crystals S.V.Myagkota, A.S.Pushak, G.B.Stryganyuk, S.S.Novosad, I.P.Pashuk 2 187
- Oleksenko P.F.** – Optical properties of quantum-sized structures and two-dimensional photon crystals fabricated in semiconductor substrates using irreversible giant modification A.M.Kamuz, P.F.Oleksenko, O.A.Kamuz, O.A.Ilin, A.V.Stronski 4 608
- Onischenko L.V.** – Corrosion resistance of Nd-Fe-B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M.Bovda, V.O.Bovda, V.V.Chebotaev, V.D.Fedorchenko, I.E.Garkusha, L.V.Onischenko, M.D.Sakhnenko, V.I.Tereshin, O.S.Tortika, M.V.Ved' 4 589
- Orlov V.D.** – 8-Hydroxyquinoline derivatives with 2-pyrazoline fragment in chromophore system as chelating agents for polyvalent metals A.J.Marrugo Gonzalez, V.D.Orlov, A.O.Doroshenko 2 299
- Ostapenko S.A.** – ZrN coatings on U8 steel obtained by electrospark alloying after a concentrated solar irradiation A.V.Paustovsky, V.V.Pasichny, V.I.Novikova, N.M.Mordovets, L.P.Isaeva, S.A.Ostapenko 3 429
- Ovcharenko A.I.** – NMR study of proton dynamics in ferroelectric $\text{KIO}_3 \cdot 2\text{H}_2\text{O}$ crystal D.F.Baisa, E.D.Chesnokov, A.I.Ovcharenko, I.G.Vertegel 1 19
- Ovcharenko A.I.** – NQR investigation of crystal structure peculiarities of layered $\text{Pb}_{x-1}\text{Cd}_x\text{I}_2$ semiconductors Yu.P.Gnatenko, I.A.Beinik, A.I.Barabash, I.G.Vertegel, E.D.Chesnokov, A.I.Ovcharenko, L.S.Ivanova 2 175
- Paderno V.N.** – Thermionic properties of $\text{LaB}_6-(\text{Tl}_{0.6}\text{Zr}_{0.4})\text{B}_2$ material Yu.B.Paderno, A.A.Taran, D.A.Voronovich, V.N.Paderno, V.B.Filipov 1 63
- Paderno Yu.B.** – Thermionic properties of $\text{LaB}_6-(\text{Tl}_{0.6}\text{Zr}_{0.4})\text{B}_2$ material Yu.B.Paderno, A.A.Taran, D.A.Voronovich, V.N.Paderno, V.B.Filipov 1 63
- Papirov I.I.** – Biodegradable magnesium alloys for medical application I.I.Papirov, M.A.Tikhonovsky, K.V.Kutniy, A.I.Pikalov, S.V.Sivtsov, L.A.Pirozhenko, V.S.Shokurov 1 139
- Pashuk I.P.** – Spectral and kinetic characteristics of luminescence in CsI-Ca crystals S.V.Myagkota, A.S.Pushak, G.B.Stryganyuk, S.S.Novosad, I.P.Pashuk 2 187
- Pasichny V.V.** – ZrN coatings on U8 steel obtained by electrospark alloying after a concentrated solar irradiation A.V.Paustovsky, V.V.Pasichny, V.I.Novikova, N.M.Mordovets, L.P.Isaeva, S.A.Ostapenko 3 429
- Paustovsky A.V.** – ZrN coatings on U8 steel obtained by electrospark alloying after a concentrated solar irradiation A.V.Paustovsky, V.V.Pasichny, V.I.Novikova, N.M.Mordovets, L.P.Isaeva, S.A.Ostapenko 3 429
- Perekos A.E.** – Narrowing of the martensite transformation temperature hysteresis in ferromagnetic Fe-Co-Ni-Ti alloys doped with Cu V.V.Kokorin, L.E.Kozlova, A.E.Perekos, Yu.S.Levchuk, T.V.Ruzhitskaya 1 6
- Perov E.P.** – A composite functional material with shape memory effect exhibiting a giant reversible straining D.I.Zakharov, A.G.Kirilin, V.V.Koledov, G.A.Lebedev, E.P.Perov, V.G.Pushin, V.V.Khovailo, V.G.Shavrov, A.V.Shelyakov 3 448
- Pershyn Yu.P.** – Initial stages of diffusion and phase formation in Sc/Si layered systems D.L.Voronov, E.N.Zubarev, V.V.Kondratenko, Yu.P.Pershyn, V.A.Sevryukova, Ye.A.Bugayev 1 30
- Petchenko G.A.** – Effect of crystal prestraining on phonon damping of dislocations A.M.Petchenko, G.A.Petchenko 4 481
- Petchenko A.M.** – Effect of crystal prestraining on phonon damping of dislocations A.M.Petchenko, G.A.Petchenko 4 481

- Pikalov A.I.** – Biodegradable magnesium alloys for medical application I.I.Papirov, M.A.Tikhonovsky, K.V.Kutniy, A.I.Pikalov, S.V.Sivtsov, L.A.Pirozhenko, V.S.Shokurov 1 139
- Pilipenko V.V.** – Changes in optical properties, structure and chemical composition of thin-film Ag–PbI₂ systems at intercalation of ammonia V.V.Mussil, Ye.T.Lemeshevskaya, V.V.Pilipenko, G.I.Gurina 4 594
- Pirozhenko L.A.** – Biodegradable magnesium alloys for medical application I.I.Papirov, M.A.Tikhonovsky, K.V.Kutniy, A.I.Pikalov, S.V.Sivtsov, L.A.Pirozhenko, V.S.Shokurov 1 139
- Piryatinski Yu.P.** – The effect of impurity and intrinsic defects on the energy structure and dynamic of electronic processes CdTe:V and Cd_{1-x}Hg_xTe:V crystals Yu.P.Gnatenko, P.M.Bukivskij, Yu.P.Piryatinski, I.O.Faryna, M.S.Furyer, R.V.Gamernyk 1 23
- Pogibko V.** – Growth and characterization of KH₂PO₄ single crystals doped with TiO₂ nanocrystals I.Pritula, V.Gayvoronsky, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Pogybko V.M.** – High-sensitivity piezoceramic elements for medical ultrasonic examination equipment N.A.Spiridonov, L.G.Gusakova, V.M.Pogybko, V.N.Spiridonov, V.M.Ischuk 2 269
- Ponomarenko T.V.** – Interaction of hygroscopic halides with reactive gas atmosphere at elevated temperatures T.P.Rebrova, V.L.Cherginets, T.V.Ponomarenko, Yu.I.Dolzhenko 2 287
- Pritula I.** – Growth and characterization of KH₂PO₄ single crystals doped with TiO₂ nanocrystals I.Pritula, V.Gayvoronsky, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Pritula I.** – The effect of thermal annealing on linear and nonlinear optical response of dyed KDP crystals I.Pritula, V.Gayvoronsky, Yu.Gromov, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova 4 561
- Prudnikov A.M.** – Influence of intensive etching processes on structure and properties of carbon nitride films R.V.Shalaev, V.N.Varyukhin, A.M.Prudnikov, A.I.Linnik, I.V.Zhikharev, N.N.Belousov, D.V.Raspornya, A.N.Ulyanov 4 580
- Prylutskiy Yu.I.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, P.Dmytrenko, N.P.Kulish, Yu.I.Prylutskiy, Yu.E.Grabovskiy, N.M.Belley, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Pushak A.S.** – Spectral and kinetic characteristics of luminescence in CsI–Ca crystals S.V.Myagkota, A.S.Pushak, G.B.Stryganyuk, S.S.Novosad, I.P.Pashuk 2 187
- Pushin V.G.** – A composite functional material with shape memory effect exhibiting a giant reversible straining D.I.Zakharov, A.G.Kirilin, V.V.Koledov, G.A.Lebedev, E.P.Perov, V.G.Pushin, V.V.Khovailo, V.G.Shavrov, A.V.Shelyakov 3 448
- Puzikov V.** – Growth and characterization of KH₂PO₄ single crystals doped with TiO₂ nanocrystals I.Pritula, V.Gayvoronsky, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Puzikov V.** – The effect of thermal annealing on linear and nonlinear optical response of dyed KDP crystals I.Pritula, V.Gayvoronsky, Yu.Gromov, M.Kopylovsky, M.Kolybaeva, V.Puzikov, A.Kosinova 4 561
- Puzikov V.M.** – Effect of silver on thermal e.m.f. and electric resistance of La–Sr–Co–O ceramics A.A.Kozlovskii, V.F.Khirnyi, T.G.Deineka, A.V.Semenov, V.M.Puzikov, P.V.Mateychenko, V.A.Finkel 1 78
- Puzikov V.M.** – Optical and luminescence characteristics of YAG:Ce crystals grown by horizontal directed crystallization in reducing gas medium S.V.Nizhankovskiy, A.Ya.Dan'ko, V.M.Puzikov, Yu.N.Savin, A.G.Trushkovskiy, S.I.Krivotonogov 4 546
- Puzikov V.M.** – Transparent ceramics of yttrium-aluminum garnet (Y₃Al₅O₁₂) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Puzikov V.M.** – Growth and scintillation properties of NaLa(WO₄)₂ and NaLa(MoO₄)₂ single crystals V.N.Baumer, Yu.N.Gorobets, M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, O.V.Zelenskaya 4 537
- Puzikov V.M.** – Structure perfection of large-size KDP crystals grown by various techniques V.M.Puzikov, V.F.Tkachenko, V.A.Tsurikov 4 556
- Pylypenko O.A.** – Synthesis of charged silica films of porous structure Yu.S.Zharkikh, S.V.Lysochenko, O.A.Pylypenko, O.V.Tretyak 1 127
- Raransky N.D.** – Temperature and composition effects on elastic properties of CdZnSb solid solution single crystals V.N.Balazyuk, A.I.Eremenko, N.D.Raransky 3 343
- Raspornya D.V.** – Influence of intensive etching processes on structure and properties of carbon nitride films R.V.Shalaev, V.N.Varyukhin, A.M.Prudnikov, A.I.Linnik, I.V.Zhikharev, N.N.Belousov, D.V.Raspornya, A.N.Ulyanov 4 580
- Ratner M.** – Nanocontainer properties of flexible dendrimers M.Ratner 4 534
- Ravlik .G.** – High-gradient fields in magnets with giant anisotropy V.N.Samofalov, D.P.Belozorov, .G.Ravlik 3 407
- Ravlik A.G.** – Magnetoresistive characteristics of bismuth films B.O.Avramenko, I.G.Mirzoev, A.G.Ravlik 1 87

- Rebrova T.P.** – Interaction of hygroscopic halides with reactive gas atmosphere at elevated temperatures T.P.Rebrova, V.L.Cherginets, T.V.Ponomarenko, Yu.I.Dolzhenko 2 287
- Reshetnyak S.A.** – Influence of damping parameter on reflection of bulk spin waves from the uniaxial multilayer ferromagnetic structure Yu.I.Gorobets, S.A.Reshetnyak, T.A.Homenko 2 239
- Ritter U.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, .P.Dmytrenko, N.P.Kulish, Yu.I.Prylutskyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Roessler U.K.** – Phenomenological model of surface-induced anisotropy in magnetic nanostructures A.A. Leonov, I.E. Dragunov, U.K. Roessler, A.N. Bogdanov 1 109
- Rumyantsev V.V.** – Peculiarities of photonic band gap width dependence upon concentration of the admixture layers randomly included in composite material V.V.Rumyantsev, S.A.Fedorov, E.Ya.Shterman 2 223
- Ruzhitskaya T.V.** – Narrowing of the martensite transformation temperature hysteresis in ferromagnetic Fe–Co–Ni–Ti alloys doped with Cu V.V.Kokorin, L.E.Kozlova, A.E.Perekos, Yu.S.Levchuk, T.V.Ruzhitskaya 1 6
- Ryzhikov V.D.** – Integrated detectors of ionizing radiation based on ZnSe(Te)/pZnTe-nCdSe structures N.G.Starzhinskiy, B.V.Grinyov, P.A.Gashin, A.A.Focsha, A.B.Galat, V.D.Ryzhikov, K.A.Katrunov, I.M.Zenya 1 115
- Ryzhov V.A.** – Unusual paramagnet to ferromagnet phase transition and magnetic inhomogeneities in hole doped manganites A.V.Lazuta, V.A.Ryzhov, I.A.Kiselev, Yu.P.Chernenkov, O.P.Smirnov, P.L.Molkanov, I.O.Troyanchuk, V.A.Khomchenko 2 178
- Sakhnenko M.D.** – Corrosion resistance of Nd–Fe–B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M.Bovda, V.O.Bovda, V.V.Chebotaev, V.D.Fedorchenko, I.E.Garkusha, L.V.Onischenko, M.D.Sakhnenko, V.I.Terreshin, O.S.Tortika, M.V.Ved' 4 589
- Sakhnenko N.** – Structure and properties of electrolytic cobalt-tungsten alloy coatings M.Ved, N.Sakhnenko, T.Bairachnaya, N.Tkachenko 4 613
- Sakhno Yu.E.** – Effect of luminophor/polymeric matrix chemical binding factor on the luminescence of PMMA-based scintillation composition A.A.Aldongarov, N.N.Barashkov, I.S.Irgibaeva, O.A.Khakhel, Yu.E.Sakhno 3 398
- Sakun T.N.** – Sensitization processes in materials based on compounds containing a Xe–O bond P.A.Kondratenko, Yu.M.Lopatkin, T.N.Sakun 2 192
- Sakun T.N.** – Excited states in dye-based functional materials P.A.Kondratenko, Yu.M.Lopatkin, T.N.Sakun 3 392
- Salo V.I.** – Variation of crystal lattice parameters of KDP single crystals containing impurities V.I.Salo, V.F.Tkachenko 1 149
- Samofalov V.N.** – High-gradient fields in magnets with giant anisotropy V.N.Samofalov, D.P.Belozorov, .G.Ravlik 3 407
- Samoylenko D.N.** – Growth of crystals with bent crystalline lattice in amorphous semiconductor films A.G.Bagmut, S.N.Grigorov, V.M.Kosevich, E.A.Lyubchenko, G.P.Nikolaychuk, D.N.Samoylenko 3 332
- Savvin Yu.N.** – Nanosized phosphors based on Gd_{1-x}Eu_xPO₄ obtained by low-temperature methods N.V.Babayevskaya, A.S.Kryzhanovskaya, Yu.N.Savvin, A.V.Tolmachev 3 433
- Savvin Yu.N.** – Optical and luminescence characteristics of YAG:Ce crystals grown by horizontal directed crystallization in reducing gas medium S.V.Nizhankovskiy, A.Ya.Dan'ko, V.M.Puzikov, Yu.N.Savvin, A.G.Trushkovskiy, S.I.Krivosnogov 4 546
- Scharff P.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, .P.Dmytrenko, N.P.Kulish, Yu.I.Prylutskyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Semenov A.V.** – Effect of silver on thermal e.m.f. and electric resistance of La–Sr–Co–O ceramics A.A.Kozlovskii, V.F.Khirnyi, T.G.Deineka, A.V.Semenov, V.M.Puzikov, P.V.Mateychenko, V.A.Finkel 1 78
- Sementsov Yu.I.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, .P.Dmytrenko, N.P.Kulish, Yu.I.Prylutskyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Serga M.A.** – Temperature conditions in a cone S.M.Ivakhnenko, M.A.Serga, S.N.Shevchuk, V.V.Yanovskiy 4 505
- Sergienko Z.P.** – Transparent ceramics of yttrium-aluminum garnet (Y₃Al₅O₁₂) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Sevryukova V.A.** – Initial stages of diffusion and phase formation in Sc/Si layered systems D.L.Voronov, E.N.Zubarev, V.V.Kondratenko, Yu.P.Pershyn, V.A.Sevryukova, Ye.A.Bugayev 1 30
- Shabat M.M.** – Characteristics of electromagnetic and magneto-static surface waves in metal-dielectric-ferrite-left handed waveguide layered structure A.H.El-Astal, M.S.Hamada, M.M.Shabat 1 102
- Shalaev R.V.** – Influence of intensive etching processes on structure and properties of carbon nitride films R.V.Shalaev, V.N.Varyukhin, A.M.Prudnikov, A.I.Linik, I.V.Zhikharev, N.N.Belousov, D.V.Raspornya, A.N.Ulyanov 4 580

- Shapiro A.J.** – On the nature of asymmetry of nucleation centers activity in ultrathin Co films and Co/Pt multilayers Yu.L.Iunin, Yu.P.Kabanov, V.I.Nikitenko, X.M.Cheng, A.J.Shapiro, C.L.Chien, R.D.Shull 1 51
- Shavrov V.G.** – A composite functional material with shape memory effect exhibiting a giant reversible straining D.I.Zakharov, A.G.Kirilin, V.V.Koledov, G.A.Lebedev, E.P.Perov, V.G.Pushin, V.V.Khovailo, V.G.Shavrov, A.V.Shelyakov 3 448
- Shekhovtsov A.N.** – Transparent ceramics of yttrium-aluminum garnet ($Y_3Al_5O_{12}$) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Shekhovtsov A.N.** – Growth and scintillation properties of $NaLa(WO_4)_2$ and $NaLa(MoO_4)_2$ single crystals V.N.Baumer, Yu.N.Gorobets, M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, O.V.Zelenskaya 4 537
- Shekhovtsov O.V.** – Formation of micro-discontinuities during thermal processing and plastic deformation of polycrystalline materials E.E.Badiyan, A.G.Tonkopyrad, O.V.Shekhovtsov, R.V.Shurinov 2 198
- Shelyakov A.V.** – A composite functional material with shape memory effect exhibiting a giant reversible straining D.I.Zakharov, A.G.Kirilin, V.V.Koledov, G.A.Lebedev, E.P.Perov, V.G.Pushin, V.V.Khovailo, V.G.Shavrov, A.V.Shelyakov 3 448
- Shevchenko V.V.** – Aluminium barium phosphate glass laser emitting at $\lambda = 1.54 \mu m$ M.I.Dzyubenko, V.A.Konradiy, V.V.Maslov, Yu.P.Nikolaev, V.V.Shevchenko 3 455
- Shevchuk S.N.** – Temperature conditions in a cone S.M.Ivakhnenko, M.A.Serga, S.N.Shevchuk, V.V.Yanovsky 4 505
- Shirokova G.I.** – Dependence of electrolytic properties of $CaYb_2S_4$ phases on the overstoichiometric content of binary sulfides L.A.Kalinina, Ju.N.Ushakova, B.A.Ananchenko, E.G.Fominykh, G.I.Shirokova 3 369
- Shkurdoda Yu.A.** – The effect of giant magnetoresistance in Co/Cu/Co structure Yu.A. Shkurdoda, L.V. Dekhtyaruk, V. B. Loboda 1 38
- Shlapatskaya V.V.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, P.Dmytrenko, N.P.Kulish, Yu.I.Prylutskyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapatskaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Shmyryova O.M.** – Study of nanostructured layers of single-crystal silicon by scanning tunnel spectroscopy S.P.Kulyk, M.M.Melnichenko, K.V.Svezhentsova, O.M.Shmyryova 1 74
- Shokurov V.S.** – Biodegradable magnesium alloys for medical application I.I.Papirov, M.A.Tikhonovsky, K.V.Kutniy, A.I.Pikalov, S.V.Sivtsov, L.A.Pirozhenko, V.S.Shokurov 1 139
- Shramko S.V.** – Double-layer ITO/Al back surface reflector for single-junction silicon photoconverters V.R.Kopach, M.V.Kirichenko, S.V.Shramko, R.V.Zaitsev 4 604
- Shramko S.V.** – New approach to the efficiency increase problem for multi-junction silicon photovoltaic converters with vertical diode cells V.R.Kopach, M.V.Kirichenko, S.V.Shramko, R.V.Zaitsev, S.A.Bondarenko 2 253
- Shtaerman E.Ya.** – Peculiarities of photonic band gap width dependence upon concentration of the admixture layers randomly included in composite material V.V.Rumyantsev, S.A.Fedorov, E.Ya.Shtaerman 2 223
- Shull R.D.** – On the nature of asymmetry of nucleation centers activity in ultrathin Co films and Co/Pt multilayers Yu.L.Iunin, Yu.P.Kabanov, V.I.Nikitenko, X.M.Cheng, A.J.Shapiro, C.L.Chien, R.D.Shull 1 51
- Shurinov R.V.** – Formation of micro-discontinuities during thermal processing and plastic deformation of polycrystalline materials E.E.Badiyan, A.G.Tonkopyrad, O.V.Shekhovtsov, R.V.Shurinov 2 198
- Shutov S.** – Simulation of growth of graded bandgap GaAsP layers at liquid phase electroepitaxy V.Tsybulenko, Ye.Baganov, V.Krasnov, S.Shutov 3 413
- Shymchyshyn M.** – The active medium scattering characteristics of liquid crystal displays Z.Myktyuk, A.Fechan, O.Sushynsky, M.Shymchyshyn, Y.Bashtyk 3 459
- Sidletskiy O.T.** – Effect of growth atmosphere composition on heat and mass transfer at continuous feed growth of scintillation crystals from melt M.M.Tymoshenko, V.I.Goriletsky, V.V.Vasylyev, V.I.Sumin, O.T.Sidletskiy, T.O.Ilyashenko 3 438
- Sidletskiy O.Ts.** – Surface defects of BGO crystals E.P.Galenin, I.V.Gerasymov, V.T.Nahornyyak, O.Ts.Sidletskiy, S.A.Tkachenko 2 274
- Sidletskiy O.Ts.** – Specific features of dielectric water determination in alcohols used in synthesis and analysis of functional materials T.A.Blank, L.P.Eksperiandova, O.Ts.Sidletskiy, N.A.Kasyan, L.N.Lisetsky 2 301
- Siryuk Ju.A.** – Magnetostatic pressure as a factor of spiral domain stabilization in ferrite-garnet films Ju.A.Mamalui, Ju.A.Siryuk 3 376
- Siryuk Yu.A.** – Spin-reorientation phase transitions in soft magnetic films of different anisotropy A.V.Bezus, Yu.A.Mamalui, Yu.A.Siryuk 2 218
- Sivtsov S.V.** – Biodegradable magnesium alloys for medical application I.I.Papirov, M.A.Tikhonovsky, K.V.Kutniy, A.I.Pikalov, S.V.Sivtsov, L.A.Pirozhenko, V.S.Shokurov 1 139

- Smirnov O.P.** – Unusual paramagnet to ferromagnet phase transition and magnetic inhomogeneities in hole doped manganites A.V.Lazuta, V.A.Ryzhov, I.A.Kiselev, Yu.P.Chernenkov, O.P.Smirnov, P.L.Molkanov, I.O.Troyanchuk, V.A.Khomchenko 2 178
- Sorokin A.V.** – Comparison of two polymethine dyes used as exciton traps for amphi-PIC J-aggregates R.S.Grynyov, A.V.Sorokin, G.Ya.Guralchuk, S.L.Yefimova, I.A.Borovoy, Yu.V.Malyukin 4 475
- Spiridonov N.A.** – Tuning of piezoelectric parameters in the phase transition process via the transient state V.M.Ishchuk, N.A.Spiridonov 1 11
- Spiridonov V.N.** – High-sensitivity piezoceramic elements for medical ultrasonic examination equipment N.A.Spiridonov, L.G.Gusakova, V.M.Pogybko, V.N.Spiridonov, V.M.Ischuk 2 269
- Spiridonov N.A.** – High-sensitivity piezoceramic elements for medical ultrasonic examination equipment N.A.Spiridonov, L.G.Gusakova, V.M.Pogybko, V.N.Spiridonov, V.M.Ischuk 2 269
- Starzhinskiy N.** – Schottky structures $nZnSe(O,Te)/Ni$ as candidates for selective ultraviolet detectors K.Katrunov, N.Starzhinskiy, B.Grinyov, L.Galchinetskii, G.Bendeberya, E.Bondarenko 3 364
- Starzhinskiy N.G.** – Effect of technology parameters on the quality of $nZnSe(X)/Ni$ Schottky diodes K.A.Katrunov, L.P.Galchinetskii, B.V.Grinyov, N.G.Starzhinskiy, G.N.Bendeberya, E.A.Bondarenko 4 585
- Starzhinskiy N.G.** – Integrated detectors of ionizing radiation based on $ZnSe(Te)/pZnTe-nCdSe$ structures N.G.Starzhinskiy, B.V.Grinyov, P.A.Gashin, A.A.Focsha, A.B.Galat, V.D.Ryzhikov, K.A.Katrunov, I.M.Zenya 1 115
- Stetsenko A.N.** – Linear in magnetic field increase of the magneto-optical Kerr effect in multilayered Co/Cu films I.M.Lukienko, M.F.Kharchenko, V.V.Zorchenko, A.N.Stetsenko 1 56
- Stetsenko A.N.** – Magnetic resonance and anisotropy in multilayer Co/Cu (111) system K.V.Kutko, A.I.Kaplienko, E.P.Nikolova, A.G.Anders, V.V.Zorchenko, A.N.Stetsenko 3 350
- Stratiychuk I.B.** – Nanodimensional formations on the CdTe and $Zn_xCd_{1-x}Te$ surfaces at chemical etching Z.F.Tomashyk, V.M.Tomashyk, I.I.Hnativ, I.B.Stratiychuk, P.Moravec, J.Franc, V.Ivanitska 2 265
- Stronski A.V.** – Optical properties of quantum-sized structures and two-dimensional photon crystals fabricated in semiconductor substrates using irreversible giant modification A.M.Kamuz, P.F.Oleksenko, O.A.Kamuz, O.A.Ilin, A.V.Stronski 4 608
- Strugatsky M.B.** – Surface magnetism of non-ideal iron borate single crystal E.M.Maksimova, I.A.Nauhatsky, M.B.Strugatsky 2 244
- Stryganyuk G.** – Luminescence properties of $Ca_3Ga_2Ge_4O_{14}$ crystals L.Kostyk, O.Tsvetkova, G.Stryganyuk 4 487
- Stryganyuk G.B.** – Distribution and luminescence characteristics of Ce^{3+} ions in calcium hydroxyapatite I.V.Berezovskaya, N.P.Efryushina, G.B.Stryganyuk, A.S.Voloshinovskii, E.V.Zubar, V.P.Dot-senko 2 164
- Stryganyuk G.B.** – Spectral and kinetic characteristics of luminescence in CsI–Ca crystals S.V.Myagkota, A.S.Pushak, G.B.Stryganyuk, S.S.Novosad, I.P.Pashuk 2 187
- Sukhovskiy A.A.** – Local polar order in the ferroelectric relaxor $Na_{1/2}Bi_{1/2}TiO_3$ as studied by ^{23}Na NMR Yu.E.Yablonskaya, I.P.Aleksandrova, A.A.Sukhovskiy, Yu.N.Ivanov 1 46
- Sulima S.V.** – Photostimulated passivation of spectrometric CdZnTe detectors Yu.A.Zagoruiko, N.O.Kovalenko, O.A.Fedorenko, V.K.Komar, S.V.Sulima, M.V.Dobrotvorskaya, I.S.Terzin 2 249
- Sumin V.I.** – Effect of growth atmosphere composition on heat and mass transfer at continuous feed growth of scintillation crystals from melt M.M.Tymoshenko, V.I.Goriletsky, V.V.Vasylyev, V.I.Sumin, O.T.Sidletskiy, T.O.Ilyashenko 3 438
- Sushynsky O.** – The active medium scattering characteristics of liquid crystal displays Z.Mykytyuk, A.Fechan, O.Sushynsky, M.Shymchyshyn, Y.Bashtyk 3 459
- Svezhentsova K.V.** – Study of nanostructured layers of single-crystal silicon by scanning tunnel spectroscopy S.P.Kulyk, M.M.Melnichenko, K.V.Svezhentsova, O.M.Shmyryova 1 74
- Taran A.A.** – Thermionic properties of $LaB_6-(Ti_{0.6}Zr_{0.4})B_2$ material Yu.B.Paderno, A.A.Taran, D.A.Voronovich, V.N.Paderno, V.B.Filipov 1 63
- Taranyuk V.I.** – Growing of NaI:Tl crystal plates in garnissage I.I.Kisil, V.I.Taranyuk, S.V.Yaroslavkin 4 600
- Tarasov V.A.** – Light collection peculiarities in X-ray scintillation detectors T.E.Gorbacheva, V.A.Tarasov, Yu.T.Vidayj, A.A.Ananenko, V.P.Gavrylyuk 1 97
- Tarasov V.A.** – Influence of inorganic scintillator light output non-proportionality and energy of registered ionizing radiation on radiometric parameters of detectors on their base Yu.T.Viday, V.A.Tarasov, T.E.Gorbacheva 2 279
- Tereshin V.I.** – Corrosion resistance of Nd–Fe–B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M.Bovda, V.O.Bovda, V.V.Chebotaiev, V.D.Fedorchenko, I.E.Garkusha, L.V.Onischenko, M.D.Sakhnenko, V.I.Tereshin, O.S.Tortika, M.V.Ved' 4 589
- Terpiy D.N.** – Structure of tantalum diboride thin films deposited by RF-magnetron sputtering V.A.Konovallor, D.N.Terpiy, N.A.Klyahina, I.G.Kostenko, L.A.Vasetskaya 1 144
- Terzin I.S.** – Photostimulated passivation of spectrometric CdZnTe detectors Yu.A.Zagoruiko, N.O.Kovalenko, O.A.Fedorenko, V.K.Komar, S.V.Sulima, M.V.Dobrotvorskaya, I.S.Terzin 2 249

- Tikhonovsky M.A.** – Biodegradable magnesium alloys for medical application I.I.Papirov, M.A.Tikhonovsky, K.V.Kutniy, A.I.Pikalov, S.V.Sivtsov, L.A.Pirozhenko, V.S.Shokurov 1 139
- Tkachenko N.** – Structure and properties of electrolytic cobalt-tungsten alloy coatings M.Ved, N.Sakhnenko, T.Bairachnaya, N.Tkachenko 4 613
- Tkachenko S.A.** – Surface defects of BGO crystals E.P.Galenin, I.V.Gerasymov, V.T.Nahornyak, O.Ts.Sidletskiy, S.A.Tkachenko 2 274
- Tkachenko V.** – Growth and characterization of KH_2PO_4 single crystals doped with TiO_2 nanocrystals I.Pritula, V.Gayvoron-sky, M.Kopylovsky, M.Kolybaeva, V.Puz-ikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Tkachenko V.F.** – Variation of crystal lattice parameters of KDP single crystals containing impurities V.I.Salo, V.F.Tkachenko 1 149
- Tkachenko V.F.** – Structure perfection of large-size KDP crystals grown by various techniques V.M.Puzikov, V.F.Tkachenko, V.A.Tsurikov 4 556
- Tkachenko M.V.** – Effect of sintering conditions on physical properties of carbonated hydroxyapatite ceramics M.V.Tkachenko, Z.Z.Zyman 4 574
- Tolmachev A.V.** – Nanosized phosphors based on $\text{Gd}_{1-x}\text{Eu}_x\text{PO}_4$ obtained by low-temperature methods N.V.Babayevskaya, A.S.Kryzhanovskaya, Yu.N.Savvin, A.V.Tolmachev 3 433
- Tolmachev A.V.** – Transparent ceramics of yttrium-aluminum garnet ($\text{Y}_3\text{Al}_5\text{O}_{12}$) from nanocrystalline powders obtained by co-precipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Tomashyk V.M.** – Nanodimensional formations on the CdTe and $\text{Zn}_x\text{Cd}_{1-x}\text{Te}$ surfaces at chemical etching Z.F.Tomashyk, V.M.Tomashyk, I.I.Hnativ, I.B.Stratiy-chuk, P.Moravec, J.Franc, V.Ivanitska 2 265
- Tomashyk Z.F.** – Nanodimensional formations on the CdTe and $\text{Zn}_x\text{Cd}_{1-x}\text{Te}$ surfaces at chemical etching Z.F.Tomashyk, V.M.Tomashyk, I.I.Hnativ, I.B.Stratiy-chuk, P.Moravec, J.Franc, V.Ivanitska 2 265
- Tonkopyrad A.G.** – Formation of micro-discontinuities during thermal processing and plastic deformation of polycrystalline materials E.E.Badiyan, A.G.Tonkopyrad, O.V.Shekhovtsov, R.V.Shurinov 2 198
- Tortika O.S.** – Corrosion resistance of Nd-Fe-B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M.Bovda, V.O.Bovda, V.V.Chebotarev, V.D.Fedorchenko, I.E.Garkusha, L.V.Onischenko, M.D.Sakhnenko, V.I.Tereshin, O.S.Tortika, M.V.Ved' 4 589
- Tretyak O.V.** – Synthesis of charged silica films of porous structure Yu.S.Zharkikh, S.V.Lysochenko, O.A.Pylypenko, O.V.Tretyak 1 127
- Troyanchuk I.O.** – Unusual paramagnet to ferromagnet phase transition and magnetic inhomogeneities in hole doped magnetites A.V.Lazuta, V.A.Ryzhov, I.A.Kiselev, Yu.P.Chernenkov, O.P.Smirnov, P.L.Molkanov, I.O.Troyanchuk, V.A.Khomchenko 2 178
- Trushkovsky A.G.** – Optical and luminescence characteristics of YAG:Ce crystals grown by horizontal directed crystallization in reducing gas medium S.V.Nizhankovsky, A.Ya.Dan'ko, V.M.Puzikov, Yu.N.Savvin, A.G.Trushkovsky, S.I.Krivotonogov 4 546
- Tsurikov V.** – Growth and characterization of KH_2PO_4 single crystals doped with TiO_2 nanocrystals I.Pritula, V.Gayvoron-sky, M.Kopylovsky, M.Kolybaeva, V.Puz-ikov, A.Kosinova, V.Tkachenko, V.Tsurikov, T.Konstantiniva, V.Pogibko 3 420
- Tsurikov V.A.** – Structure perfection of large-size KDP crystals grown by various techniques V.M.Puzikov, V.F.Tkachenko, V.A.Tsurikov 4 556
- Tsvetkova O.** – Luminescence properties of $\text{Ca}_3\text{Ga}_2\text{Ge}_4\text{O}_{14}$ crystals L.Kostyk, O.Tsvetkova, G.Stryganyuk 4 487
- Tsybulenko V.** – Simulation of growth of graded bandgap GaAsP layers at liquid phase electroepitaxy V.Tsybulenko, Ye.Baganov, V.Krasnov, S.Shutov 3 413
- Tymoshenko M.M.** – Volume defects of crystal structure in alkali halide crystals grown from melt by continuous automated method V.I.Goriletsky, M.M.Tymoshenko, V.V.Vasylyev, T.O.Ilyashenko 4 550
- Tymoshenko M.M.** – Effect of growth atmosphere composition on heat and mass transfer at continuous feed growth of scintillation crystals from melt M.M.Tymoshenko, V.I.Goriletsky, V.V.Vasylyev, V.I.Sumin, O.T.Sidletskiy, T.O.Ilyashenko 3 438
- Ulyanov A.N.** – Influence of intensive etching processes on structure and properties of carbon nitride films R.V.Shalaev, V.N.Varyukhin, A.M.Prudnikov, A.I.Linnik, I.V.Zhikharev, N.N.Belousov, D.V.Raspornya, A.N.Ulyanov 4 580
- Ushakova Ju.N.** – Dependence of electrolytic properties of CaYb_2S_4 phases on the over-stoichiometric content of binary sulfides L.A.Kalinina, Ju.N.Ushakova, B.A.Anan-chenko, E.G.Fominykh, G.I.Shirokova 3 369
- Vakhitov R.M.** – Processes of inhomogeneous magnetization reversal in real crystals R.M.Vakhitov, A.R.Yumaguzin 2 203
- Valkunas L.** – Radiation damage of isotactic polypropylene composites with multi-walled carbon nanotubes L.V.Diyakon, .P.Dmytrenko, N.P.Kulich, Yu.I.Prylut-skyyy, Yu.E.Grabovskiy, N.M.Belyy, S.A.Alekseev, A.N.Alekseev, Yu.I.Sementsov, N.A.Gavrylyuk, V.V.Shlapat-skaya, L.Valkunas, U.Ritter, P.Scharff 2 169
- Varyukhin V.N.** – Influence of intensive etching processes on structure and properties of carbon nitride films R.V.Shalaev, V.N.Varyukhin, A.M.Prudnikov, A.I.Linnik, I.V.Zhikharev, N.N.Belousov, D.V.Raspornya, A.N.Ulyanov 4 580

- Vasetskaya L.A.** – Structure of tantalum dioxide thin films deposited by RF-magnetron sputtering V.A.Kononov, D.N.Terpiy, N.A.Klyahina, I.G.Kostenko, L.A.Vasetskaya 1 144
- Vashchenko V.V.** – Determination of side products of stilbene synthesis by gas chromatography and chromatomass spectrometry V.A.Averin, R.I.Aruslanova, S.V.Budakovskiy, V.L.Volkov, V.V.Vashchenko, I.V.Knyazeva 2 293
- Vasylyev V.V.** – Effect of growth atmosphere composition on heat and mass transfer at continuous feed growth of scintillation crystals from melt M.M.Tymoshenko, V.I.Goriletsky, V.V.Vasylyev, V.I.Sumin, O.T.Sidletskiy, T.O.Ilyashenko 3 438
- Vasylyev V.V.** – Volume defects of crystal structure in alkali halide crystals grown from melt by continuous automated method V.I.Goriletsky, M.M.Tymoshenko, V.V.Vasylyev, T.O.Ilyashenko 4 550
- Ved M.** – Structure and properties of electrolytic cobalt-tungsten alloy coatings M.Ved, N.Sakhnenko, T.Bairachnaya, N.Tkachenko 4 613
- Ved' M.V.** – Corrosion resistance of Nd–Fe–B magnets with PVD protecting coatings modified by pulsed plasma treatment O.M.Bovda, V.O.Bovda, V.V.Chebotaev, V.D.Fedorchenko, I.E.Garkusha, L.V.Onischenko, M.D.Sakhnenko, V.I.Tereshin, O.S.Tortika, M.V.Ved' 4 589
- Vertegel I.G.** – NMR study of proton dynamics in ferroelectric $KIO_3 \cdot 2H_2O$ crystal D.F.Baisa, E.D.Chesnokov, A.I.Ovcharenko, I.G.Vertegel 1 19
- Vertegel I.G.** – NQR investigation of crystal structure peculiarities of layered $Pb_{x-1}Cd_x$ semiconductors Yu.P.Gnatenko, I.A.Beinik, A.I.Barabash, I.G.Vertegel, E.D.Chesnokov, A.I.Ovcharenko, L.S.Ivanova 2 175
- Viday Yu.T.** – Influence of inorganic scintillator light output non-proportionality and energy of registered ionizing radiation on radiometric parameters of detectors on their base Yu.T.Viday, V.A.Tarasov, T.E.Gorbacheva 2 279
- Vidayj Yu.T.** – Light collection peculiarities in X-ray scintillation detectors T.E.Gorbacheva, V.A.Tarasov, Yu.T.Vidayj, A.A.Ananenko, V.P.Gavrylyuk 1 97
- Volkov V.L.** – Determination of side products of stilbene synthesis by gas chromatography and chromatomass spectrometry V.A.Averin, R.I.Aruslanova, S.V.Budakovskiy, V.L.Volkov, V.V.Vashchenko, I.V.Knyazeva 2 293
- Volkova N.D.** – Electrochemical deposition of cadmium telluride films N.P.Klochko, N.D.Volkova, M.V.Dobrotvorskaya, V.R.Kopach, T.A.Li 1 119
- Voloshinovskii A.S.** – Distribution and luminescence characteristics of Ce^{3+} ions in calcium hydroxyapatite I.V.Berezovskaya, N.P.Efryushina, G.B.Stryganyuk, A.S.Voloshinovskii, E.V.Zubar, V.P.Dotsenko 2 164
- Voronov D.L.** – Initial stages of diffusion and phase formation in Sc/Si layered systems D.L.Voronov, E.N.Zubarev, V.V.Kondratenko, Yu.P.Pershyyn, V.A.Sevryukova, Ye.A.Bugayev 1 30
- Voronovich D.A.** – Thermionic properties of $LaB_6-(Ti_{0.6}Zr_{0.4})B_2$ material Yu.B.Paderno, A.A.Taran, D.A.Voronovich, V.N.Paderno, V.B.Filipov 1 63
- Vovk E.A.** – Transparent ceramics of yttrium-aluminum garnet ($Y_3Al_5O_{12}$) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Vovk O.M.** – Transparent ceramics of yttrium-aluminum garnet ($Y_3Al_5O_{12}$) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Vyagin O.G.** – Migration-enhanced energy transfer from host to dopant in $Sr_2CeO_4:Eu$ crystal A.A.Masalov, O.G.Vyagin, I.I.Ganina, Yu.V.Malyukin 4 470
- Yablonskaya Yu.E.** – Local polar order in the ferroelectric-relaxor $Na_{1/2}Bi_{1/2}TiO_3$ as studied by ^{23}Na NMR Yu.E.Yablonskaya, I.P.Aleksandrova, A.A.Sukhovskiy, Yu.N.Ivanov 1 46
- Yanovsky V.V.** – Temperature conditions in a cone S.M.Ivakhnenko, M.A.Serga, S.N.Shevchuk, V.V.Yanovsky 4 505
- Yaroslavkin S.V.** – Growing of NaI:Tl crystal plates in garnissage I.I.Kisil, V.I.Taranyuk, S.V.Yaroslavkin 4 600
- Yavetskiy R.P.** – Transparent ceramics of yttrium-aluminum garnet ($Y_3Al_5O_{12}$) from nanocrystalline powders obtained by coprecipitation V.N.Baumer, E.A.Vovk, O.M.Vovk, T.G.Deineka, M.B.Kosmyna, P.V.Mateychenko, V.M.Puzikov, Z.P.Sergienko, A.V.Tolmachev, A.N.Shekhovtsov, R.P.Yavetskiy 4 540
- Yavetskiy R.P.** – The point radiation defects in $Li_6YB_3O_9:Eu^{3+}$ single crystals R.P.Yavetskiy 3 338
- Yavetskiy R.P.** – Preparation of $Lu_2O_3:Eu^{3+}$ nanopowders for optical ceramics R.P.Yavetskiy 4 569
- Yefimova S.L.** – Comparison of two polymethine dyes used as exciton traps for amphi-PIC J-aggregates R.S.Grynyov, A.V.Sorokin, G.Ya.Guralchuk, S.L.Yefimova, I.A.Borovoy, Yu.V.Malyukin 4 475
- Yumaguzin A.R.** – Processes of inhomogeneous magnetization reversal in real crystals R.M.Vakhitov, A.R.Yumaguzin 2 203
- Zagoruiko Yu.A.** – $ZnMgSe:Cr^{2+}$ single crystal: a novel material for active elements of tunable IR region lasers (rapid communication) Yu.A.Zagoruiko, N.O.Kovalenko, O.A.Fedorenko, V.A.Khristyan 2 247

- Zagoruiko Yu.A.** – Photostimulated passivation of spectrometric CdZnTe detectors Yu.A.Zagoruiko, N.O.Kovalenko, O.A.Fedorenko, V.K.Komar, S.V.Sulima, M.V.Dobrotvorskaya, I.S.Terzin 2 249
- Zaitsev R.V.** – Double-layer ITO/Al back surface reflector for single-junction silicon photoconverters V.R.Kopach, M.V.Kirichenko, S.V.Shramko, R.V.Zaitsev 4 604
- Zaitsev R.V.** – New approach to the efficiency increase problem for multi-junction silicon photovoltaic converters with vertical diode cells V.R.Kopach, M.V.Kirichenko, S.V.Shramko, R.V.Zaitsev, S.A.Bondarenko 2 253
- Zakharov D.I.** – A composite functional material with shape memory effect exhibiting a giant reversible straining D.I.Zakharov, A.G.Kirilin, V.V.Koledov, G.A.Lebedev, E.P.Perov, V.G.Pushin, V.V.Khovailo, V.G.Shavrov, A.V.Shelyakov 3 448
- Zelenskaya O.V.** – Growth and scintillation properties of NaLa(WO₄)₂ and NaLa(MoO₄)₂ single crystals V.N.Baumer, Yu.N.Gorobets, M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, O.V.Zelenskaya 4 537
- Zenya I.M.** – Integrated detectors of ionizing radiation based on ZnSe(Te)/pZnTe-nCdSe structures N.G.Starzhinskiy, B.V.Grinyov, P.A.Gashin, A.A.Pocsha, A.B.Galat, V.D.Ryzhikov, K.A.Katrunov, I.M.Zenya 1 115
- Zharkikh Yu.S.** – Synthesis of charged silica films of porous structure Yu.S.Zharkikh, S.V.Lysochenko, O.A.Pylypenko, O.V.Tretyak 1 127
- Zhikharev I.V.** – Influence of intensive etching processes on structure and properties of carbon nitride films R.V.Shalaev, V.N.Varyukhin, A.M.Prudnikov, A.I.Linik, I.V.Zhikharev, N.N.Belousov, D.V.Raspornya, A.N.Ulyanov 4 580
- Zorchenko V.V.** – Linear in magnetic field increase of the magneto-optical Kerr effect in multilayered Co/Cu films I.M.Lukienko, M.F.Kharchenko, V.V.Zorchenko, A.N.Stetsenko 1 56
- Zorchenko V.V.** – Magnetic resonance and anisotropy in multilayer Co/Cu (111) system K.V.Kutko, A.I.Kaplienko, E.P.Nikolova, A.G.Anders, V.V.Zorchenko, A.N.Stetsenko 3 350
- Zubar E.V.** – Distribution and luminescence characteristics of Ce³⁺ ions in calcium hydroxyapatite I.V.Berezovskaya, N.P.Efryushina, G.B.Stryganyuk, A.S.Voloshinovskii, E.V.Zubar, V.P.Dotsenko 2 164
- Zubarev E.N.** – Initial stages of diffusion and phase formation in Sc/Si layered systems D.L.Voronov, E.N.Zubarev, V.V.Kondratenko, Yu.P.Pershyn, V.A.Sevryukova, Ye.A.Bugayev 1 30
- Zyman Z.Z.** – Effect of sintering conditions on physical properties of carbonated hydroxyapatite ceramics M.V.Tkachenko, Z.Z.Zyman 4 574