

Author Index
Functional Materials Vol. 16, № 1–4

Abramova V.V. – Luminescent photonic crystals S.O.Klimonsky, A.S.Sinitiskii, V.V.Abramova, S.V.Eliseeva, J.Li, P.Zhang, M.Li, J.Y.Zhou, Yu.D.Tretyakov	1 29
Achmedzade N.D. – Influence of γ -irradiation on current-voltage characteristics of TlGaSe ₂ single crystal A.A.Ismailov, N.D.Achmedzade, M.M.Shirinov, S.T.Aghaliev	4 481
Adadurov A.F. – Efficiency improvement of polystyrene-based plastic scintillators A.F.Adadurov, P.N.Zhmurin, V.N.Lebedev, V.D.Titskaya	4 475
Adamiv V.T. – Influence of isovalent doping on the cathodoluminescence of Li ₂ B ₄ O ₇ :A (A = K, Cu, Ag) single crystals V.T.Adamiv, V.P.Savchyn, P.V.Savchyn, I.M.Teslyuk, Ya.V.Burak	3 247
Aghaliev S.T. – Influence of γ -irradiation on current-voltage characteristics of TlGaSe ₂ single crystal A.A.Ismailov, N.D.Achmedzade, M.M.Shirinov, S.T.Aghaliev	4 481
Aksenov I.I. – Laminated material for gamma radiation shielding I.I.Aksenov, V.A.Belous, I.G.Goncharov, A.S.Kuprin, N.S.Lomino, A.V.Mazilov, V.D.Ovcharenko, V.S.Pavlov, B.N.Razsukovany	3 342
Aktan O.Yu. – Determination of the solid phase concentration in the course of material solidification O.Yu.Aktan	2 170
Alekseev V.D. – Suppression mechanism of millisecond afterglow in CsI:Tl crystals by Eu ²⁺ impurity A.M.Kudin, A.V.Shkopratenko, N.V.Ovcharenko, V.D.Alekseev, L.N.Trefilova, A.L.Shpilinskaya	3 275
Ali-zade R.A. – Size distribution of magnetite nanoparticles in a polymer matrix R.A.Ali-zade, M.A.Ramazanov, R.Z.Sadykhov	2 183
Ananenko A.A. – Radiometric characteristics of combined detectors on the basis of organic and inorganic scintillators and the use thereof in radiational situation monitoring V.A.Tarasov, Yu.T.Vydai, T.E.Gorbacheva, A.A.Ananenko	2 202
Ankin A.N. – Electro-optical properties of polymeric guest-host system doped with 8-hydroxyquinoline azo dyes and its cobalt complexes N.A.Davidenko, I.I.Davidenko, I.A.Savchenko, A.T.Sinyugina, S.L.Studzinsky, A.N.Popenaka, L.S.Tonkovieva, A.Yu.Kolendo, A.N.Ankin	3 335
Apanasenko A.L. – Temperature dependence of radiation resistance of scintillation detectors based on lead tungstate crystals S.F.Burachas, M.S.Ippolitov, V.I.Manko, S.A.Nikulin, A.N.Vasiliev, A.L.Apanasenko, A.N.Vasiliev, A.V.Uzunian, G.Tamulaitis	1 76
Avramenko V.L. – Optically transparent melamine-formaldehyde polymers modified with proton acceptors V.V.Lebedev, T.A.Blank, V.L.Avramenko, L.P.Eksperiandova, D.A.Mishurov, V.D.Titskaya, A.S.Shadrikov	3 351
Bagmut A.G. – Structure, phase states and change of magnetic properties at recrystallization of thin-film Ni laser condensates A.G.Bagmut, I.G.Shipkova, V.A.Zhuchkov	2 161
Bagmut A.G. – Structure and magnetic state of films deposited by laser sputtering of nickel A.G.Bagmut, I.G.Shipkova, V.A.Zhuchkov	4 405
Barannik S.V. – On the transition criterion to the regular cellular structure of a binary melt crystallization front V.N.Kanischev, S.V.Barannik	1 48
Barannik S.V. – Transient mode features at sapphire growing by horizontal directional crystallization S.V.Barannik, V.N.Kanischev, S.V.Nizhankovsky, A.M.Stepanenko	4 498
Bashmakova N.V. – Li ₂ Zn ₂ (MoO ₄) ₃ crystal as a potential detector for ¹⁰⁰ Mo 2 β -decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova	3 266
Basiev T.T. – ZnMgSe:Cr ²⁺ — a new active medium for lasers of middle IR Yu.A.Zagoruiko, N.O.Kovalenko, V.M.Puzikov, O.A.Fedorenko, T.T.Basiev, M.E.Doroshenko, V.V.Osiko, H.Jelinkova, P.Koranda	3 329
Baumer V.N. – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov	1 67
Bazhin A.I. – Relaxation processes in hard piezoelectric ceramics D.V.Kuzenko, V.M.Ishchuk, A.I.Bazhin, N.A.Spiridonov	4 436

- Belikov K.N.** – The peculiarity of electric conductance of KDP single crystals A.N.Levchenko, I.M.Pritula, V.B.Tyutyunnik, A.P.Gavrik, Yu.N.Velikhov, K.N.Belikov, O.N.Khomenko, V.M.Puzikov 3 230
- Belikov K.N.** – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov 1 67
- Belkin F.V.** – Phase composition evolution of co-precipitated zirconium and yttrium hydroxides during heat treatment S.V.Gabelkov, R.V.Tarasov, N.S.Poltavtsev, F.V.Belkin 2 197
- Belogolovskii M.A.** – Manifestation of multiphonon structure and orbitons in the tunnel spectra of manganites V.M.Svistunov, V.N.Leonova, M.A.Belogolovskii, Yu.F.Revenko 3 302
- Belogub V.V.** – Portable radiation monitoring system on the base of CdWO₄ scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Grinyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko 4 505
- Beloshenko V.A.** – Effect of deformation by equal-channel multiangle pressing on functional properties of NbTi-based superconductor V.A.Beloshenko, V.P.Dyakov, V.V.Chishko, N.I.Matrosov, O.N.Mironova, D.Gajda, A.J.Zaleski, R.Puzniak 2 174
- Belous V.A.** – Laminated material for gamma radiation shielding I.I.Aksenov, V.A.Belous, I.G.Goncharov, A.S.Kuprin, N.S.Lomino, A.V.Mazilov, V.D.Ovcharenko, V.S.Pavlov, B.N.Razsukovany 3 342
- Belousov I.V.** – The correlation between film structure and surface temperature L.R.Shaginyan, I.V.Belousov, A.G.Sedlyar 4 384
- Belykh G.I.** – Transformation of spinel crystals structure MgO·nAl₂O₃ under high-temperature annealing G.I.Belykh, V.T.Gritsyna, L.A.Lyvtvynov, V.B.Kolner 3 241
- Biletskiy Y.V.** – Evolution of the pseudogap state in HTSC single crystals ReBa₂Cu₃O_{7-δ} (Re=Y, Ho) doped with Al and Pr R.V.Vovk, A.A.Zavgorodniy, M.A.Obolenskii, A.V.Samoilov, Y.V.Biletskiy, V.M.Pinto 3 258
- Blank T.A.** – Optically transparent melamine-formaldehyde polymers modified with proton acceptors V.V.Lebedev, T.A.Blank, V.L.Avrachenko, L.P.Eksperiandova, D.A.Mishurov, V.D.Titskaya, A.S.Shadrikov 3 351
- Blank T.A.** – Synthesis of SiO₂ matrices doped with some inorganic compounds T.A.Blank, I.I.Ganina, Yu.V.Malyukin, L.P.Eksperiandova 4 517
- Boiko Yu.N.** – Effect of oxidation method of cadmium and zinc chalcogenide substrates on physical properties of CdO and ZnO heterolayers V.P.Makhniy, Yu.N.Boiko, N.V.Skrypnik, M.M.Slyotov, S.V.Khusnutdinov 1 59
- Bondar V.G.** – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov 1 67
- Bondar V.G.** – Luminescence kinetics of crystals LSO co-doped with rare-earth elements N.G.Starzhinsky, O.Ts.Sidletskiy, B.V.Grinyov, A.A.Masalov, Yu.V.Malyukin, K.A.Katrunov, I.M.Zenya, D.A.Kurtsev, V.G.Bondar 4 431
- Bondarenko A.V.** – Interplay of point and planar defects in the phase state formation and dynamics of Abrikosov vortices in YBa₂Cu₃O_{7-δ} crystals Yu.T.Petrusenko, A.V.Bondarenko 1 11
- Borodenko Yu.A.** – Portable radiation monitoring system on the base of CdWO₄ scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Grinyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko 4 505
- Borzakovskiy A.** – Radiation influence on characteristics of GaP light emitting diodes A.Borzakovskiy, O.Gontaruk, V.Kochkin, P.Litovchenko, V.Opilat, I.Petrusenko, V.Tartachnyk 3 313
- Boyarintsev A.Yu.** – Fringe effects in large-area scintillation detectors A.Yu.Boyarintsev, A.V.Gektin, V.P.Gavrilyuk, V.I.Koshel, V.Yu.Pedash 1 82
- Bozhko V.P.** – Method for energy scale calibration of the scintillation detector at registration of recoil protons V.P.Bozhko, A.N.Vodin, S.N.Olejnik, G.E.Tuller 2 122
- Budakovskiy S.V.** – Molecular packing in organic anisotropic media: effects of piezothermal factors on optical transmission in polycrystalline samples S.S.Minenko, O.A.Tarasenko, S.V.Budakovskiy, L.N.Lisetski, N.Z.Galunov 2 126
- Budakovskiy S.V.** – New generation of organic scintillation materials S.V.Budakovskiy, N.Z.Galunov, B.V.Grinyov, J.K.Kim, Y.K.Kim, O.A.Tarasenko 1 86
- Burachas S.F.** – Temperature dependence of radiation resistance of scintillation detectors based on lead tungstate crystals S.F.Burachas, M.S.Ippolitov, V.I.Manko, S.A.Nikulin, A.N.Vasiliev, A.L.Apanasenko, A.N.Vasiliev, A.V.Uzunian, G.Tamulaitis 1 76
- Burak Ya.V.** – Influence of isovalent doping on the cathodoluminescence of Li₂B₄O₇:A (A = K, Cu, Ag) single crystals V.T.Adamiv, V.P.Savchyn, P.V.Savchyn, I.M.Teslyuk, Ya.V.Burak 3 247
- But A.V.** – Evolution of the time and spatial photoresponse instabilities of the sensors based on CdZnTe crystals A.V.But, V.P.Mygal, A.S.Phomin 1 5
- Bylo O.N.** – Preparation of high-gradient ferromagnetic matrices for magnetic filters (separators) with fractal surface structure by magnetoelectrolysis S.V.Gorobets, O.Yu.Gorobets, O.N.Bylo, M.M.Potyomkin 3 347

- Chekrygina Yu.I.** – Evolution of magnetic and magnetoresistive properties of sputtered NiFe/Cu/Co/Cu nanostructures under ageing and annealing S.T.Roschenko, I.G.Shipkova, Yu.I.Chekrygina 4 424
- Cherginets V.L.** – Scintillation material on the basis of $Ba_xSr_{1-x}Eu$ solid solutions N.V.Rebrova, V.L.Cherginets, N.N.Kosinov, T.V.Ponomarenko, T.P.Rebrova, I.N.Vjunnik, O.V.Zelenskaya 4 501
- Chiang Yu.N.** – Effect of tolerance factor and A-site cations disorder on transport properties of $A'_{1-x}A''_xCoO_{3-\delta}$ perovskites ($A' = Ho, Er; A'' = Ca, Sr$) A.A.Kozlovskii, V.F.Khirnyi, A.V.Semenov, V.M.Puzikov, T.G.Deineka, O.V.Gaiduk, Yu.N.Chiang 3 292
- Chishko V.V.** – Effect of deformation by equal-channel multiangle pressing on functional properties of NbTi-based superconductor V.A.Beloshenko, V.P.Dyakonov, V.V.Chishko, N.I.Matrosov, O.N.Mironova, D.Gajda, A.J.Zaleski, R.Puzniak 2 174
- Chizhova Ye.A.** – Thermoelectric properties of the layered oxides $LnBaCu(Co)FeO_{5+\delta}$ ($Ln = La, Nd, Sm, Gd$) A.I.Klyndyuk, Ye.A.Chizhova 1 17
- Chugai O.N.** – ZnSe:Cr²⁺ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina 2 192
- Ciszewski A.** – Investigation of (100) In_4Se_3 crystal surface nanorelief P.V.Galiy, A.Ciszewski, O.R.Dveriy, Ya.B.Losovyi, P.Mazur, T.M.Nenchuk, S.Zuber, Ya.M.Fiyala 3 279
- Dadashev A.D.** – Inorganic anion exchanger based on silica with grafted polyhexamethyleneguanidine hydrochloride E.S.Yanovska, A.D.Dadashev, V.A.Tertykh 1 105
- Danevich F.A.** – $Li_2Zn_2(MoO_4)_3$ crystal as a potential detector for ^{100}Mo 2 β -decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Davidenko I.I.** – Electro-optical properties of polymeric guest-host system doped with 8-hydroxyquinoline azo dyes and its cobalt complexes N.A.Davidenko, I.I.Davidenko, I.A.Savchenko, A.T.Sinyugina, S.L.Studzinsky, A.N.Popenaka, L.S.Tonkopyeva, A.Yu.Kolendo, A.N.Ankin 3 335
- Davidenko N.A.** – Electro-optical properties of polymeric guest-host system doped with 8-hydroxyquinoline azo dyes and its cobalt complexes N.A.Davidenko, I.I.Davidenko, I.A.Savchenko, A.T.Sinyugina, S.L.Studzinsky, A.N.Popenaka, L.S.Tonkopyeva, A.Yu.Kolendo, A.N.Ankin 3 335
- Degoda V.Ya.** – $Li_2Zn_2(MoO_4)_3$ crystal as a potential detector for ^{100}Mo 2 β -decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Deineka T.G.** – Effect of tolerance factor and A-site cations disorder on transport properties of $A'_{1-x}A''_xCoO_{3-\delta}$ perovskites ($A' = Ho, Er; A'' = Ca, Sr$) A.A.Kozlovskii, V.F.Khirnyi, A.V.Semenov, V.M.Puzikov, T.G.Deineka, O.V.Gaiduk, Yu.N.Chiang 3 292
- Demchenko P.Yu.** – Structure features and paramagnetic centres in oxide nanopowders V.N.Shevchuk, D.I.Popovych, Yu.N.Usatenko, P.Yu.Demchenko, R.Ya.Serkiz 4 448
- Demchenko Yu.O.** – Synthesis of silicon dioxide hollow spheres P.P.Gorbik, Yu.O.Demchenko, I.V.Dubrovin, G.N.Kashin 4 513
- Demkiv L.** – Formation of La-containing microcrystals in KCl and NaCl matrices T.Demkiv, V.Vistovskyy, P.Savchyn, G.Stryganyuk, A.Voloshinovskii, L.Demkiv 3 225
- Demkiv T.** – Formation of La-containing microcrystals in KCl and NaCl matrices T.Demkiv, V.Vistovskyy, P.Savchyn, G.Stryganyuk, A.Voloshinovskii, L.Demkiv 3 225
- Didenko A.V.** – Portable radiation monitoring system on the base of CdWO₄ scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Griyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko 4 505
- Ding Ya.** – A liquid scintillator for thermal neutrons detection Ya.Ding, N.A.Gundorin, Zh.Zhang, I.B.Nemchenok, L.B.Pikelner 1 73
- Dmitruk I.M.** – $Li_2Zn_2(MoO_4)_3$ crystal as a potential detector for ^{100}Mo 2 β -decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Dolbin A.V.** – The thermal expansion of single-walled carbon nanotubes at low temperatures A.V.Dolbin 4 390
- Dolbin A.V.** – Effect of biatomic gas impurities on thermal expansion of fullerite C₆₀ A.V.Dolbin 4 399
- Doroshenko M.E.** – ZnMgSe:Cr²⁺ – a new active medium for lasers of middle IR Yu.A.Zagoruiko, N.O.Kovalenko, V.M.Puzikov, O.A.Fedorenko, T.T.Basiev, M.E.Doroshenko, V.V.Osiko, H.Jelinkova, P.Koranda 3 329

- Dubina N.G.** – ZnSe:Cr²⁺ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina 2 192
- Dubok V.A.** – Raman and ESR study of gas detonation deposited hydroxyapatite coatings V.M.Dzhagan, M.Ya.Valakh, A.A.Konchits, I.P.Vorona, V.S.Yefanov, M.I.Klyui, V.P.Temchenko, V.A.Dubok 3 306
- Dubovik A.M.** – Research and development of alkali earth tungstate and molybdate crystal scintillators for search for rare events L.L.Nagornaya, A.M.Dubovik, B.V.Grinyov, K.A.Katrunov, I.A.Tupitsyna, Yu.Ya.Vostretsov 1 54
- Dubrovin I.V.** – Synthesis of silicon dioxide hollow spheres P.P.Gorbik, Yu.O. Demchenko, I.V.Dubrovin, G.N.Kashin 4 513
- Dudnik S.F.** – Surface morphology and structure of nanocrystalline diamond films deposited in CH₄/H₂/Ar glow discharge plasma I.I.Vyrovets, V.I.Gritsyna, S.F.Dudnik, O.A.Opalev, E.N.Reshetnyak, V.E.Strel'niitskiy 2 155
- Dveriy O.R.** – Investigation of (100) In₄Se₃ crystal surface nanorelief P.V.Galiy, A.Ciszewski, O.R.Dveriy, Ya.B.Losovyj, P.Mazur, T.M.Nenchuk, S.Zuber, Ya.M.Fiyala 3 279
- Dyakonov V.P.** – Effect of deformation by equal-channel multiangle pressing on functional properties of NbTi-based superconductor V.A.Beloshenko, V.P.Dyakonov, V.V.Chishko, N.I.Matrosov, O.N.Mironova, D.Gajda, A.J.Zaleski, R.Puzniak 2 174
- Dynkin N.K.** – Dependence of sapphire hardness on loading type and orientation A.B.Sinani, N.K.Dynkin, P.V.Konevskiy, L.A.Lytvynov 4 456
- Dyomin A.V.** – Precision tomographic system based on annular scintillation detector and Multi Pin-hole collimator A.V.Dyomin, A.P.Skibin 2 206
- Dzhagan V.M.** – Raman and ESR study of gas detonation deposited hydroxyapatite coatings V.M.Dzhagan, M.Ya.Valakh, A.A.Konchits, I.P.Vorona, V.S.Yefanov, M.I.Klyui, V.P.Temchenko, V.A.Dubok 3 306
- Eksperiandova L.P.** – Optically transparent melamine-formaldehyde polymers modified with proton acceptors V.V.Lebedev, T.A.Blank, V.L.Avrachenko, L.P.Eksperiandova, D.A.Mishurov, V.D.Titskaya, A.S.Shadrikov 3 351
- Eksperiandova L.P.** – Synthesis of SiO₂ matrices doped with some inorganic compounds T.A.Blank, I.I.Ganina, Yu.V.Malyukin, L.P.Eksperiandova 4 517
- Eliseeva S.V.** – Luminescent photonic crystals S.O.Klimonskiy, A.S.Sinititskiy, V.V.Abramova, S.V.Eliseeva, J.Li, P.Zhang, M.Li, J.Y.Zhou, Yu.D.Tretyakov 1 29
- Esaulkov M.N.** – Optical and nonlinear optical characterization of nanostructured oxyhydroxide of aluminium V.Ya.Gayvoronskiy, M.A.Kopylovskiy, E.A.Vishnyakov, A.N.Khodan, J.L.Vignes, M.N.Esaulkov, A.P.Shkurinov 2 136
- Fedorenko O.A.** – ZnSe:Cr²⁺ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina 2 192
- Fedorenko O.A.** – ZnMgSe:Cr²⁺ – a new active medium for lasers of middle IR Yu.A.Zagoruiko, N.O.Kovalenko, V.M.Puzikov, O.A.Fedorenko, T.T.Basiev, M.E.Doroshenko, V.V.Osiko, H.Jelinkova, P.Koranda 3 329
- Filatov A.V.** – Preparation of heterogeneous film structures by thermally activated mass-transfer A.V.Filatov, A.E.Pogorelov, V.V.Nevdacha, A.F.Kravets 3 339
- Finkel V.A.** – Phase transitions in the weak links system of granular YBa₂Cu₃O_{7-δ} HTSC T.V.Sukhareva, V.A.Finkel 4 418
- Firstov S.A.** – Transition from microstructures to nanostructures and ultimate hardening S.A.Firstov, T.G.Rogul, O.A.Shut 4 364
- Fiyala Ya.M.** – Investigation of (100) In₄Se₃ crystal surface nanorelief P.V.Galiy, A.Ciszewski, O.R.Dveriy, Ya.B.Losovyj, P.Mazur, T.M.Nenchuk, S.Zuber, Ya.M.Fiyala 3 279
- Gabelkov S.V.** – Phase composition evolution of co-precipitated zirconium and yttrium hydroxides during heat treatment S.V.Gabelkov, R.V.Tarasov, N.S.Poltavtsev, F.V.Belkin 2 197
- Gaiduk O.V.** – Effect of tolerance factor and A-site cations disorder on transport properties of A'_{1-x}A''_xCoO_{3-δ} perovskites (A' = Ho, Er; A'' = Ca, Sr) A.A.Kozlovskii, V.F.Khirnyi, A.V.Semenov, V.M.Puzikov, T.G.Deineka, O.V.Gaiduk, Yu.N.Chiang 3 292
- Gajda D.** – Effect of deformation by equal-channel multiangle pressing on functional properties of NbTi-based superconductor V.A.Beloshenko, V.P.Dyakonov, V.V.Chishko, N.I.Matrosov, O.N.Mironova, D.Gajda, A.J.Zaleski, R.Puzniak 2 174
- Galashov E.N.** – Growing of ZnWO₄ single crystals from melt by the low thermal gradient Czochralski technique E.N.Galashov, V.A.Gusev, V.N.Shlegel, Ya.V.Vasiliev 1 65
- Galiy P.V.** – Investigation of (100) In₄Se₃ crystal surface nanorelief P.V.Galiy, A.Ciszewski, O.R.Dveriy, Ya.B.Losovyj, P.Mazur, T.M.Nenchuk, S.Zuber, Ya.M.Fiyala 3 279
- Galunov N.Z.** – New generation of organic scintillation materials S.V.Budakovskiy, N.Z.Galunov, B.V.Grinyov, J.K.Kim, Y.K.Kim, O.A.Tarasenko 1 86
- Galunov N.Z.** – Molecular packing in organic anisotropic media: effects of pi-iso thermal factors on optical transmission in polycrystalline samples S.S.Minenko, O.A.Tarasenko, S.V.Budakovskiy, L.N.Lisetskiy, N.Z.Galunov 2 126
- Galunov N.Z.** – Scintillation primary quenching in organic condensed media revisited N.Z.Galunov, E.V.Martynenko, V.P.Semynozhenko, O.A.Tarasenko 2 117

Ganina I.I. – Diffusion-controlled excitation annihilation in Sr_2CeO_4 crystal A.A.Masalov, O.G.Viagin, I.I.Ganina, Yu.V.Malyukin	4	442	Gorobets O.Yu. – Preparation of high-gradient ferromagnetic matrices for magnetic filters (separators) with fractal surface structure by magnetoelectrolysis S.V.Gorobets, O.Yu.Gorobets, O.N.Bylo, M.M.Potyomkin	3	347
Ganina I.I. – Synthesis of SiO_2 matrices doped with some inorganic compounds T.A.Blank, I.I.Ganina, Yu.V.Malyukin, L.P.Eksperiandova	4	517	Gorobets S.V. – Preparation of high-gradient ferromagnetic matrices for magnetic filters (separators) with fractal surface structure by magnetoelectrolysis S.V.Gorobets, O.Yu.Gorobets, O.N.Bylo, M.M.Potyomkin	3	347
Gavrik A.P. – The peculiarity of electric conductance of KDP single crystals A.N.Levchenko, I.M.Pritula, V.B.Tyutyunnik, A.P.Gavrik, Yu.N.Velikhov, K.N.Belikov, O.N.Khomenko, V.M.Puzikov	3	230	Grigorov S.N. – Structure of Cu–In–Se thin films of variable composition S.N.Grigorov, V.M.Kosevich, A.V.Taran	3	324
Gavrilyuk V.P. – Fringe effects in large-area scintillation detectors A.Yu.Boyarintsev, A.V.Gektin, V.P.Gavrilyuk, V.I.Koshel, V.Yu.Pedash	1	82	Grinyov B.V. – Research and development of alkali earth tungstate and molybdate crystal scintillators for search for rare events L.L.Nagornaya, A.M.Dubovik, B.V.Grinyov, K.A.Katrunov, I.A.Tupitsyna, Yu.Ya.Vostretsov	1	54
Gawalek W. – Magnetron sputtered coatings of AlN–TiCrB ₂ system A.D.Panasyuk, I.A.Podchernyaeva, I.P.Neshpor, W.Gawalek, V.N.Ivanov	4	492	Grinyov B.V. – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov	1	67
Gayvoronsky V.Ya. – Optical and nonlinear optical characterization of nanostructured oxyhydroxide of aluminium V.Ya.Gayvoronsky, M.A.Kopylovsky, E.A.Vishnyakov, A.N.Khodan, J.L.Vignes, M.N.Esaulkov, A.P.Shkurinov	2	136	Grinyov B.V. – New generation of organic scintillation materials S.V.Budakovskiy, N.Z.Galunov, B.V.Grinyov, J.K.Kim, Y.K.Kim, O.A.Tarasenko	1	86
Gektin A.V. – Fringe effects in large-area scintillation detectors A.Yu.Boyarintsev, A.V.Gektin, V.P.Gavrilyuk, V.I.Koshel, V.Yu.Pedash	1	82	Grinyov B.V. – Luminescence kinetics of crystals LSO co-doped with rare-earth elements N.G.Starzhinsky, O.Ts.Sidletskiy, B.V.Grinyov, A.A.Masalov, Yu.V.Malyukin, K.A.Katrunov, I.M.Zenya, D.A.Kurtsev, V.G.Bondar	4	431
Gentsar P.O. – Study of surface influence on the $n\text{-Ge}(110)$ electroreflectance spectra and their polarization spectroscopy O.I.Vlasenko, P.O.Gentsar, A.V.Stronski	3	286	Grinyov B.V. – Portable radiation monitoring system on the base of CdWO_4 scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Grinyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko	4	505
Gentsar P.O. – Infrared spectroscopy and electroreflectance in the region of fundamental optical transition E_0 of heavily doped $n\text{-GaAs}$ (100) P.O.Gentsar, O.I.Vlasenko, M.V.Vuichyk, O.V.Stronski	1	23	Gritsyna V.I. – Surface morphology and structure of nanocrystalline diamond films deposited in $\text{CH}_4/\text{H}_2/\text{Ar}$ glow discharge plasma I.I.Vyrovets, V.I.Gritsyna, S.F.Dudnik, O.A.Opalev, E.N.Reshetnyak, V.E.Strel'nitskiy	2	155
Gerasimenko A.S. – $\text{ZnSe}:\text{Cr}^{2+}$ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina	2	192	Gritsyna V.T. – Transformation of spinel crystals structure $\text{MgO}\cdot n\text{Al}_2\text{O}_3$ under high-temperature annealing G.I.Belykh, V.T.Gritsyna, L.A.Lytvynov, V.B.Kolner	3	241
Goncharov I.G. – Laminated material for gamma radiation shielding I.I.Aksenov, V.A.Belous, I.G.Goncharov, A.S.Kuprin, N.S.Lomino, A.V.Mazilov, V.D.Ovcharenko, V.S.Pavlov, B.N.Razsukovany	3	342	Gundorin N.A. – A liquid scintillator for thermal neutrons detection Ya.Ding, N.A.Gundorin, Zh.Zhang, I.B.Nemchenok, L.B.Pikelner	1	73
Gontaruk O. – Radiation influence on characteristics of GaP light emitting diodes A.Borzakovskiy, O.Gontaruk, V.Kochkin, P.Litovchenko, V.Opilat, I.Petrenko, V.Tartachnyk	3	313	Guralchuk G.Ya. – Effects of surfactants on the molecular aggregation of squaraine dye Sq-2Me in aqueous solutions S.L.Yefimova, G.Ya.Guralchuk, A.S.Lebed', A.V.Sorokin, Yu.V.Malyukin, I.Yu.Kurilchenko	4	460
Gorbacheva T.E. – Radiometric characteristics of combined detectors on the basis of organic and inorganic scintillators and the use thereof in radiational situation monitoring V.A.Tarasov, Yu.T.Vydai, T.E.Gorbacheva, A.A.Ananenko	2	202			
Gorbik P.P. – Synthesis of silicon dioxide hollow spheres P.P.Gorbik, Yu.O.Demchenko, I.V.Dubrovina, G.N.Kashin	4	513			

Gurkalenko Yu.A. – Effects of liquid crystalline ordering on the luminescence spectra of model compounds with packing-sensitive molecular structure L.N.Zavora, M.I.Serbina, N.A.Kasian, Yu.A.Gurkalenko, V.M.Shershukov, L.N.Lisetski	4	470	Katrunov K.A. – Luminescence kinetics of crystals LSO co-doped with rare-earth elements N.G.Starzhinsky, O.Ts.Sidletskiy, B.V.Grinyov, A.A.Masalov, Yu.V.Malyukin, K.A.Katrunov, I.M.Zenya, D.A.Kurtsev, V.G.Bondar	4	431
Gusev V.A. – Growing of ZnWO ₄ single crystals from melt by the low thermal gradient Czochralski technique E.N.Galashov, V.A.Gusev, V.N.Shlegel, Ya.V.Vasiliev	1	65	Kavok N.S. – Colloidal synthesis and properties of lanthanide orthophosphate nanophosphors V.K.Klochkov, N.S.Kavok, Yu.V.Malyukin, A.A.Masalov, O.G.Vyagin	4	466
Ippolitov M.S. – Temperature dependence of radiation resistance of scintillation detectors based on lead tungstate crystals S.F.Burachas, M.S.Ippolitov, V.I.Manko, S.A.Nikulin, A.N.Vasiliev, A.L.Apanasenko, A.N.Vasiliev, A.V.Uzunian, G.Tamulaitis	1	76	Khalavka Yu. – Magnetite and maghemite nanocrystals: variation of synthesis and stabilization conditions O.Korovyanko, M.Sytnyk, Yu.Khalavka, O.Kopach	2	211
Ishchuk V.M. – Relaxation processes in hard piezoelectric ceramics D.V.Kuzenko, V.M.Ishchuk, A.I.Bazhin, N.A.Spiridonov	4	436	Kharchenko M.M. – Contact electrodeposition of CdTe thin films N.P.Klochko, N.D.Volkova, M.M.Kharchenko, V.R.Kopach	2	190
Ismailov A.A. – Influence of γ -irradiation on current-voltage characteristics of TiGaSe ₂ single crystal A.A.Ismailov, N.D.Achmedzade, M.M.Shirinov, S.T.Aghaliev	4	481	Khirnyi V.F. – Effect of tolerance factor and A-site cations disorder on transport properties of A' _{1-x} A'' _x CoO _{3-δ} perovskites (A' = Ho, Er; A'' = Ca, Sr) A.A.Kozlovskii, V.F.Khirnyi, A.V.Semenov, V.M.Puzikov, T.G.Deineka, O.V.Gaiduk, Yu.N.Chiang	3	292
Ivanov V.N. – Magnetron sputtered coatings of AlN-TiCrB ₂ system A.D.Panasyuk, I.A.Podchernyaeva, I.P.Neshpor, W.Gawalek, V.N.Ivanov	4	492	Khirnyi V.F. – The spin states of cobalt ions and thermo-e.m.f. in erbium and holmium cobaltites V.F.Khirnyi, A.A.Kozlovskii, A.V.Semenov, V.M.Puzikov	2	150
Jelinkova H. – ZnMgSe:Cr ²⁺ – a new active medium for lasers of middle IR Yu.A.Zagoruiko, N.O.Kovalenko, V.M.Puzikov, O.A.Fedorenko, T.T.Basiev, M.E.Doroshenko, V.V.Osiko, H.Jelinkova, P.Koranda	3	329	Khodan A.N. – Optical and nonlinear optical characterization of nanostructured oxyhydroxide of aluminium V.Ya.Gayvoronkiy, M.A.Kopylovsky, E.A.Vishnyakov, A.N.Khodan, J.L.Vignes, M.N.Esaulkov, A.P.Shkurinov	2	136
Kanischev V.N. – Transient mode features at sapphire growing by horizontal directional crystallization S.V.Barannik, V.N.Kanischev, S.V.Nizhankovskiy, A.M.Stepanenko	4	498	Khomenko O.N. – The peculiarity of electric conductance of KDP single crystals A.N.Levchenko, I.M.Pritula, V.B.Tyutyunnik, A.P.Gavrik, Yu.N.Velikhov, K.N.Belikov, O.N.Khomenko, V.M.Puzikov	3	230
Kanischev V.N. – On the transition criterion to the regular cellular structure of a binary melt crystallization front V.N.Kanischev, S.V.Barannik	1	48	Khusnutdinov S.V. – Effect of oxidation method of cadmium and zinc chalcogenide substrates on physical properties of CdO and ZnO heterolayers V.P.Makhniy, Yu.N.Boiko, N.V.Skrypnyk, M.M.Slyotov, S.V.Khusnutdinov	1	59
Karavaeva N.L. – Development of new composite scintillators based on organic single crystal grains N.L.Karavaeva, O.A.Tarasenko	1	92	Kim J.K. – New generation of organic scintillation materials S.V.Budakovskiy, N.Z.Galunov, B.V.Grinyov, J.K.Kim, Y.K.Kim, O.A.Tarasenko	1	86
Kashin G.N. – Synthesis of silicon dioxide hollow spheres P.P.Gorbik, Yu.O.Demchenko, I.V.Dubrovina, G.N.Kashin	4	513	Kim Y.K. – New generation of organic scintillation materials S.V.Budakovskiy, N.Z.Galunov, B.V.Grinyov, J.K.Kim, Y.K.Kim, O.A.Tarasenko	1	86
Kasian N.A. – Effects of liquid crystalline ordering on the luminescence spectra of model compounds with packing-sensitive molecular structure L.N.Zavora, M.I.Serbina, N.A.Kasian, Yu.A.Gurkalenko, V.M.Shershukov, L.N.Lisetski	4	470	Klimonsky S.O. – Luminescent photonic crystals S.O.Klimonsky, A.S.Sinitiskii, V.V.Abramova, S.V.Eliseeva, J.Li, P.Zhang, M.Li, J.Y.Zhou, Yu.D.Tretyakov	1	29
Katrunov K.A. – Research and development of alkali earth tungstate and molybdate crystal scintillators for search for rare events L.L.Nagornaya, A.M.Dubovik, B.V.Grinyov, K.A.Katrunov, I.A.Tupitsyna, Yu.Ya.Vostretsov	1	54	Klochko N.P. – Contact electrodeposition of CdTe thin films N.P.Klochko, N.D.Volkova, M.M.Kharchenko, V.R.Kopach	2	190
Katrunov K.A. – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov	1	67	Klochkov V.K. – Coagulation of luminescent colloid nGdVO ₄ :Eu solutions with inorganic electrolytes V.K.Klochkov	2	141

Klochkov V.K. – Colloidal synthesis and properties of lanthanide orthophosphate nanophosphors V.K.Klochkov, N.S.Kavok, Yu.V.Malyukin, A.A.Masalov, O.G.Vyagin	4	466	Koranda P. – ZnMgSe:Cr ²⁺ — a new active medium for lasers of middle IR Yu.A.Zagoruiko, N.O.Kovalenko, V.M.Puzikov, O.A.Fedorenko, T.T.Basiev, M.E.Doroshenko, V.V.Osiko, H.Jelinkova, P.Koranda	3	329
Klyndyuk A.I. – Thermoelectric properties of the layered oxides LnBaCu(Co)FeO _{5+δ} (Ln = La, Nd, Sm, Gd) A.I.Klyndyuk, Ye.A.Chizhova	1	17	Koronovskyy V.E. – Magnetolectric response of bismuth-substituted ferrite-garnet films irradiated by a high-power laser pulse V.E.Koronovskyy	3	332
Klyui M.I. – Raman and ESR study of gas detonation deposited hydroxyapatite coatings V.M.Dzhagan, M.Ya.Valakh, A.A.Konchits, I.P.Vorona, V.S.Yefanov, M.I.Klyui, V.P.Temchenko, V.A.Dubok	3	306	Korovyanko O. – Magnetite and maghemite nanocrystals: variation of synthesis and stabilization conditions O.Korovyanko, M.Sytnyk, Yu.Khalavka, O.Kopach	2	211
Kobzar Iu.L. – The relaxation of magnetomechanical effect in silicon crystals under cyclic magnetic treatment V.A.Makara, L.P.Stebenko, A.M.Kuryliuk, Iu.L.Kobzar, S.M.Naumenko, A.M.Krit, V.M.Kravchenko	3	237	Kosevich V.M. – Structure of Cu–In–Se thin films of variable composition S.N.Grigorov, V.M.Kosevich, A.V.Taran	3	324
Kocherzhyn A.I. – Optical transmittance and electric conductivity in nematic dispersions containing carbon nanotubes and organomodified montmorillonite S.S.Minenko, A.I.Kocherzhyn, L.N.Lisetski, N.I.Lebovka	3	319	Koshel V.I. – Fringe effects in large-area scintillation detectors A.Yu.Boyarintsev, A.V.Gektin, V.P.Gavrilyuk, V.I.Koshel, V.Yu.Pedash	1	82
Kochkin V. – Radiation influence on characteristics of GaP light emitting diodes A.Borzakovskiy, O.Gontaruk, V.Kochkin, P.Litovchenko, V.Opilat, I.Petrenko, V.Tartachnyk	3	313	Kosinov N.N. – Scintillation material on the basis of Ba _x Sr _{1-x} 2:Eu solid solutions N.V.Rebrova, V.L.Cherginets, N.N.Kosinov, T.V.Ponomarenko, T.P.Rebrova, I.N.Vjunnik, O.V.Zelenskaya	4	501
Kolendo A.Yu. – Electro-optical properties of polymeric guest-host system doped with 8-hydroxyquinoline azo dyes and its cobalt complexes N.A.Davidenko, I.I.Davidenko, I.A.Savchenko, A.T.Sinyugina, S.L.Studzinsky, A.N.Popenaka, L.S.Tonkopyeva, A.Yu.Kolendo, A.N.Ankin	3	335	Kosmyna M.B. – Portable radiation monitoring system on the base of CdWO ₄ scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Griyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko	4	505
Kolner V.B. – Transformation of spinel crystals structure MgO·nAl ₂ O ₃ under high-temperature annealing G.I.Belykh, V.T.Gritsyna, L.A.Lytvynov, V.B.Kolner	3	241	Kovalenko E.N. – Absorption spectra of layered ZnI ₂ and K ₂ ZnI ₄ compounds intercalated with CO ₂ O.N.Yunakova, V.K.Miloslavsky, E.N.Kovalenko, E.D.Makovetsky	2	130
Komar V.K. – ZnSe:Cr ²⁺ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina	2	192	Kovalenko N.O. – ZnSe:Cr ²⁺ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina	2	192
Konchits A.A. – Raman and ESR study of gas detonation deposited hydroxyapatite coatings V.M.Dzhagan, M.Ya.Valakh, A.A.Konchits, I.P.Vorona, V.S.Yefanov, M.I.Klyui, V.P.Temchenko, V.A.Dubok	3	306	Kovalenko N.O. – ZnMgSe:Cr ²⁺ — a new active medium for lasers of middle IR Yu.A.Zagoruiko, N.O.Kovalenko, V.M.Puzikov, O.A.Fedorenko, T.T.Basiev, M.E.Doroshenko, V.V.Osiko, H.Jelinkova, P.Koranda	3	329
Konevskiy P.V. – Dependence of sapphire hardness on loading type and orientation A.B.Sinani, N.K.Dynkin, P.V.Konevskiy, L.A.Lytvynov	4	456	Kozlovskii A.A. – The spin states of cobalt ions and thermo-e.m.f. in erbium and holmium cobaltites V.F.Khirnyi, A.A.Kozlovskii, A.V.Semenov, V.M.Puzikov	2	150
Kopach O. – Magnetite and maghemite nanocrystals: variation of synthesis and stabilization conditions O.Korovyanko, M.Sytnyk, Yu.Khalavka, O.Kopach	2	211	Kozlovskii A.A. – Effect of tolerance factor and A-site cations disorder on transport properties of A' _{1-x} A'' _x CoO _{3-δ} perovskites (A' = Ho, Er; A'' = Ca, Sr) A.A.Kozlovskii, V.F.Khirnyi, A.V.Semenov, V.M.Puzikov, T.G.Deineka, O.V.Gaiduk, Yu.N.Chiang	3	292
Kopach V.R. – Contact electrodeposition of CdTe thin films N.P.Klochko, N.D.Volkova, M.M.Kharchenko, V.R.Kopach	2	190	Kozmin Yu.S. – Portable radiation monitoring system on the base of CdWO ₄ scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Griyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko	4	505
Kopylovsky M.A. – Optical and nonlinear optical characterization of nanostructured oxyhydroxide of aluminium V.Ya.Gayvoronsky, M.A.Kopylovsky, E.A.Vishnyakov, A.N.Khodan, J.L.Vignes, M.N.Esaulkov, A.P.Shkurinov	2	136			

- Kravchenko V.M.** – The relaxation of magnetomechanical effect in silicon crystals under cyclic magnetic treatment V.A.Makara, L.P.Steblenko, A.M.Kuryliuk, Iu.L.Kobzar, S.M.Naumenko, A.M.Krit, V.M.Kravchenko 3 237
- Kravchenko A.I.** – Comparison of refining by distillation and crystallization A.I.Kravchenko 1 101
- Kravets A.F.** – Preparation of heterogeneous film structures by thermally activated mass-transfer A.V.Filatov, A.E.Pogorelov, V.V.Nevdacha, A.F.Kravets 3 339
- Krit A.M.** – The relaxation of magnetomechanical effect in silicon crystals under cyclic magnetic treatment V.A.Makara, L.P.Steblenko, A.M.Kuryliuk, Iu.L.Kobzar, S.M.Naumenko, A.M.Krit, V.M.Kravchenko 3 237
- Kudin K.A.** – Mass-spectrometric studies of the charge for CdWO₄ crystal growth D.S.Sofronov, L.L.Nagornaya, I.A.Tupitsyna, K.A.Kudin 1 97
- Kudin A.M.** – Suppression mechanism of millisecond afterglow in CsI:Tl crystals by Eu²⁺ impurity A.M.Kudin, A.V.Shkropatenko, N.V.Ovcharenko, V.D.Alekseev, L.N.Trefilova, A.L.Shpilinskaya 3 275
- Kudovbenko V.M.** – Li₂Zn₂(MoO₄)₃ crystal as a potential detector for ¹⁰⁰Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Kulik T.V.** – New phase inclusion growth control T.V.Kulik 4 483
- Kuprin A.S.** – Laminated material for gamma radiation shielding I.I.Aksenov, V.A.Belous, I.G.Goncharov, A.S.Kuprin, N.S.Lomino, A.V.Mazilov, V.D.Ovcharenko, V.S.Pavlov, B.N.Razsukovany 3 342
- Kurilchenko I.Yu.** – Effects of surfactants on the molecular aggregation of squaraine dye Sq-2Me in aqueous solutions S.L.Yefimova, G.Ya.Guralchuk, A.S.Lebed', A.V.Sorokin, Yu.V.Malyukin, I.Yu.Kurilchenko 4 460
- Kurtsev D.A.** – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov 1 67
- Kurtsev D.A.** – Luminescence kinetics of crystals LSO co-doped with rare-earth elements N.G.Starzhinsky, O.Ts.Sidletskiy, B.V.Grinyov, A.A.Masalov, Yu.V.Malyukin, K.A.Katrunov, I.M.Zenya, D.A.Kurtsev, V.G.Bondar 4 431
- Kuryliuk A.M.** – The relaxation of magnetomechanical effect in silicon crystals under cyclic magnetic treatment V.A.Makara, L.P.Steblenko, A.M.Kuryliuk, Iu.L.Kobzar, S.M.Naumenko, A.M.Krit, V.M.Kravchenko 3 237
- Kutovyi S.Yu.** – Li₂Zn₂(MoO₄)₃ crystal as a potential detector for ¹⁰⁰Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Kuzenko D.V.** – Relaxation processes in hard piezoelectric ceramics D.V.Kuzenko, V.M.Ishchuk, A.I.Bazhin, N.A.Spiridonov 4 436
- Lebed' A.S.** – Effects of surfactants on the molecular aggregation of squaraine dye Sq-2Me in aqueous solutions S.L.Yefimova, G.Ya.Guralchuk, A.S.Lebed', A.V.Sorokin, Yu.V.Malyukin, I.Yu.Kurilchenko 4 460
- Lebedev V.N.** – Efficiency improvement of polystyrene-based plastic scintillators A.F.Adadurov, P.N.Zhmurin, V.N.Lebedev, V.D.Titskaya 4 475
- Lebedev V.V.** – Optically transparent melamine-formaldehyde polymers modified with proton acceptors V.V.Lebedev, T.A.Blank, V.L.Avramenko, L.P.Eksperandova, D.A.Mishurov, V.D.Titskaya, A.S.Shadrikov 3 351
- Lebovka N.I.** – Optical transmittance and electric conductivity in nematic dispersions containing carbon nanotubes and organomodified montmorillonite S.S.Minenko, A.I.Kocherzhyn, L.N.Lisetski, N.I.Lebovka 3 319
- Leonova V.N.** – Manifestation of multiphonon structure and orbitons in the tunnel spectra of manganites V.M.Svistunov, V.N.Leonova, M.A.Belogolovskii, Yu.F.Revenko 3 302
- Levchenko A.N.** – Methods of optical absorption reduction in irradiated KDP single crystals containing arsenic ions A.N.Levchenko 2 145
- Levchenko A.N.** – The peculiarity of electric conductance of KDP single crystals A.N.Levchenko, I.M.Pritula, V.B.Tyutyunnik, A.P.Gavrik, Yu.N.Velikhov, K.N.Belikov, O.N.Khomenko, V.M.Puzikov 3 230
- Li J.** – Luminescent photonic crystals S.O.Klimonsky, A.S.Sinitiskii, V.V.Abramova, S.V.Eliseeva, J.Li, P.Zhang, M.Li, J.Y.Zhou, Yu.D.Tretyakov 1 29
- Li M.** – Luminescent photonic crystals S.O.Klimonsky, A.S.Sinitiskii, V.V.Abramova, S.V.Eliseeva, J.Li, P.Zhang, M.Li, J.Y.Zhou, Yu.D.Tretyakov 1 29
- Lisetski L.N.** – Molecular packing in organic anisotropic media: effects of piezothermal factors on optical transmission in polycrystalline samples S.S.Minenko, O.A.Tarasenko, S.V.Budakovskiy, L.N.Lisetski, N.Z.Galunov 2 126
- Lisetski L.N.** – Optical transmittance and electric conductivity in nematic dispersions containing carbon nanotubes and organomodified montmorillonite S.S.Minenko, A.I.Kocherzhyn, L.N.Lisetski, N.I.Lebovka 3 319

- Lisetski L.N.** – Effects of liquid crystalline ordering on the luminescence spectra of model compounds with packing-sensitive molecular structure L.N.Zavora, M.I.Serbina, N.A.Kasian, Yu.A. Gurkalenko, V.M.Shershukov, L.N.Lisetski 4 470
- Litovchenko P.** – Radiation influence on characteristics of GaP light emitting diodes A.Borzakovskiy, O.Gontaruk, V.Kochkin, P.Litovchenko, V.Opilat, I.Petrenko, V.Tartachnyk 3 313
- Lomino N.S.** – Laminated material for gamma radiation shielding I.I.Aksenov, V.A.Belous, I.G.Goncharov, A.S.Kuprin, N.S.Lomino, A.V.Mazilov, V.D.Ovcharenko, V.S.Pavlov, B.N.Razsukovany 3 342
- Lopin A.V.** – Absorption edge of nanocrystalline cubic silicon carbide films A.V.Lopin, A.V.Semenov, V.M.Puzikov, S.N.Skorik 1 36
- Losovyj Ya.B.** – Investigation of (100) In₄Se₃ crystal surface nanorelief P.V.Galiy, A.Ciszewski, O.R.Dveriy, Ya.B.Losovyj, P.Mazur, T.M.Nenchuk, S.Zuber, Ya.M.Fiyala 3 279
- Lytvynov L.A.** – Transformation of spinel crystals structure MgO·nAl₂O₃ under high-temperature annealing G.I.Belykh, V.T.Gritsyna, L.A.Lytvynov, V.B.Kolner 3 241
- Lytvynov L.A.** – Dependence of sapphire hardness on loading type and orientation A.B.Sinani, N.K.Dynkin, P.V.Konevskiy, L.A.Lytvynov 4 456
- Makara V.A.** – The relaxation of magnetomechanical effect in silicon crystals under cyclic magnetic treatment V.A.Makara, L.P.Steblenko, A.M.Kuryliuk, Iu.L.Kobzar, S.M.Naumenko, A.M.Krit, V.M.Kravchenko 3 237
- Makhniy V.P.** – Effect of oxidation method of cadmium and zinc chalcogenide substrates on physical properties of CdO and ZnO heterolayers V.P.Makhniy, Yu.N.Boiko, N.V.Skrypynyk, M.M.Slyotov, S.V.Khusnutdinov 1 59
- Makogon Yu.N.** – Multilayer film heterostructures. Silicides S.I.Sidorenko, Yu.N.Makogon, E.P.Pavlova, S.M.Voloshko 4 445
- Makovetsky E.D.** – Absorption spectra of layered ZnI₂ and K₂ZnI₄ compounds intercalated with CO₂ O.N.Yunakova, V.K.Miloslavsky, E.N.Kovalenko, E.D.Makovetsky 2 130
- Makovetsky E.D.** – Comparison of refractive indices of amorphous and crystalline As₂S₃ V.K.Miloslavsky, E.D.Makovetsky 4 412
- Malyk O.P.** – The local charge carrier interaction with lattice defects in ZnCdTe and ZnHgTe solid solutions O.P.Malyk 2 179
- Malyukin Yu.V.** – Luminescence kinetics of crystals LSO co-doped with rare-earth elements N.G.Starzhinsky, O.Ts.Sidletskiy, B.V.Grinyov, A.A.Masalov, Yu.V.Malyukin, K.A.Katrunov, I.M.Zenya, D.A.Kurtsev, V.G.Bondar 4 431
- Malyukin Yu.V.** – Diffusion-controlled excitation annihilation in Sr₂CeO₄ crystal A.A.Masalov, O.G.Viagin, I.I.Ganina, Yu.V.Malyukin 4 442
- Malyukin Yu.V.** – Effects of surfactants on the molecular aggregation of squaraine dye Sq-2Me in aqueous solutions S.L.Yefimova, G.Ya.Guralchuk, A.S.Lebed', A.V.Sorokin, Yu.V.Malyukin, I.Yu.Kurilchenko 4 460
- Malyukin Yu.V.** – Colloidal synthesis and properties of lanthanide orthophosphate nanophosphors V.K.Klochkov, N.S.Kavok, Yu.V.Malyukin, A.A.Masalov, O.G.Vyagin 4 466
- Malyukin Yu.V.** – Synthesis of SiO₂ matrices doped with some inorganic compounds T.A.Blank, I.I.Ganina, Yu.V.Malyukin, L.P.Eksperiandova 4 517
- Manko V.I.** – Temperature dependence of radiation resistance of scintillation detectors based on lead tungstate crystals S.F.Burachas, M.S.Ippolitov, V.I.Manko, S.A.Nikulin, A.N.Vasiliev, A.L.Apanasenko, A.N.Vasiliev, A.V.Uzunian, G.Tamulaitis 1 76
- Martynenko E.V.** – Scintillation primary quenching in organic condensed media revisited N.Z.Galunov, E.V.Martynenko, V.P.Semynozhenko, O.A.Tarassenko 2 117
- Masalov A.A.** – Luminescence kinetics of crystals LSO co-doped with rare-earth elements N.G.Starzhinsky, O.Ts.Sidletskiy, B.V.Grinyov, A.A.Masalov, Yu.V.Malyukin, K.A.Katrunov, I.M.Zenya, D.A.Kurtsev, V.G.Bondar 4 431
- Masalov A.A.** – Colloidal synthesis and properties of lanthanide orthophosphate nanophosphors V.K.Klochkov, N.S.Kavok, Yu.V.Malyukin, A.A.Masalov, O.G.Vyagin 4 466
- Masalov A.A.** – Diffusion-controlled excitation annihilation in Sr₂CeO₄ crystal A.A.Masalov, O.G.Viagin, I.I.Ganina, Yu.V.Malyukin 4 442
- Matrosov N.I.** – Effect of deformation by equal-channel multiangle pressing on functional properties of NbTi-based superconductor V.A.Beloshenko, V.P.Dyakonov, V.V.Chishko, N.I.Matrosov, O.N.Mironova, D.Gajda, A.J.Zaleski, R.Puzniak 2 174
- Mazilov A.V.** – Laminated material for gamma radiation shielding I.I.Aksenov, V.A.Belous, I.G.Goncharov, A.S.Kuprin, N.S.Lomino, A.V.Mazilov, V.D.Ovcharenko, V.S.Pavlov, B.N.Razsukovany 3 342
- Mazur P.** – Investigation of (100) In₄Se₃ crystal surface nanorelief P.V.Galiy, A.Ciszewski, O.R.Dveriy, Ya.B.Losovyj, P.Mazur, T.M.Nenchuk, S.Zuber, Ya.M.Fiyala 3 279
- Mikhailik V.V.** – Li₂Zn₂(MoO₄)₃ crystal as a potential detector for ¹⁰⁰Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266

- Miloslavsky V.K.** – Absorption spectra of layered ZnI_2 and K_2ZnI_4 compounds intercalated with CO_2 O.N.Yunakova, V.K.Miloslavsky, E.N.Kovalenko, E.D.Makovetsky 2 130
- Miloslavsky V.K.** – Comparison of refractive indices of amorphous and crystalline As_2S_3 V.K.Miloslavsky, E.D.Makovetsky 4 412
- Minenko S.S.** – Molecular packing in organic anisotropic media: effects of piezothermal factors on optical transmission in polycrystalline samples S.S.Minenko, O.A.Tarasenko, S.V.Budakovsky, L.N.Lisetski, N.Z.Galunov 2 126
- Minenko S.S.** – Optical transmittance and electric conductivity in nematic dispersions containing carbon nanotubes and organomodified montmorillonite S.S.Minenko, A.I.Kocherzhyn, L.N.Lisetski, N.I.Lebovka 3 319
- Mironova O.N.** – Effect of deformation by equal-channel multiangle pressing on functional properties of NbTi-based superconductor V.A.Beloshenko, V.P.Dyakonov, V.V.Chishko, N.I.Matrosov, O.N.Mironova, D.Gajda, A.J.Zaleski, R.Puzniak 2 174
- Mishurov D.A.** – Optically transparent melamine-formaldehyde polymers modified with proton acceptors V.V.Lebedev, T.A.Blank, V.L.Avrachenko, L.P.Eksperiandova, D.A.Mishurov, V.D.Titskaya, A.S.Shadrikov 3 351
- Mygal V.P.** – Evolution of the time and spatial photoresponse instabilities of the sensors based on CdZnTe crystals A.V.But, V.P.Mygal, A.S.Phomin 1 5
- Nagornaya L.L.** – Mass-spectrometric studies of the charge for $CdWO_4$ crystal growth D.S.Sofronov, L.L.Nagornaya, I.A.Tupitsyna, K.A.Kudin 1 97
- Nagornaya L.L.** – Research and development of alkali earth tungstate and molybdate crystal scintillators for search for rare events L.L.Nagornaya, A.M.Dubovik, B.V.Grinyov, K.A.Katrunov, I.A.Tupitsyna, Yu.Ya.Vostretsov 1 54
- Nagorny S.S.** – $Li_2Zn_2(MoO_4)_3$ crystal as a potential detector for ^{100}Mo 2 β -decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Nalivaiko D.P.** – $ZnSe:Cr^{2+}$ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina 2 192
- Naumenko S.M.** – The relaxation of magnetomechanical effect in silicon crystals under cyclic magnetic treatment V.A.Makara, L.P.Steblenko, A.M.Kuryliuk, Iu.L.Kobzar, S.M.Naumenko, A.M.Krit, V.M.Kravchenko 3 237
- Nazarenko B.P.** – Portable radiation monitoring system on the base of $CdWO_4$ scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Grinyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko 4 505
- Nemchenok I.B.** – A liquid scintillator for thermal neutrons detection Ya.Ding, N.A.Gundorin, Zh.Zhang, I.B.Nemchenok, L.B.Pikelner 1 73
- Nenchuk T.M.** – Investigation of (100) In_4Se_3 crystal surface nanorelief P.V.Galiy, A.Ciszewski, O.R.Dveriy, Ya.B.Losovyj, P.Mazur, T.M.Nenchuk, S.Zuber, Ya.M.Fiyala 3 279
- Neshpor I.P.** – Magnetron sputtered coatings of AlN-TiCrB₂ system A.D.Panasjuk, I.A.Podchernyaeva, I.P.Neshpor, W.Gawalek, V.N.Ivanov 4 492
- Nevdacha V.V.** – Preparation of heterogeneous film structures by thermally activated mass-transfer A.V.Filatov, A.E.Pogorelov, V.V.Nevdacha, A.F.Kravets 3 339
- Nikolaiko A.S.** – $Li_2Zn_2(MoO_4)_3$ crystal as a potential detector for ^{100}Mo 2 β -decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Nikulin S.A.** – Temperature dependence of radiation resistance of scintillation detectors based on lead tungstate crystals S.F.Burachas, M.S.Ippolitov, V.I.Manko, S.A.Nikulin, A.N.Vasiliev, A.L.Apanasenko, A.N.Vasiliev, A.V.Uzunian, G.Tamulaitis 1 76
- Nisi S.** – $Li_2Zn_2(MoO_4)_3$ crystal as a potential detector for ^{100}Mo 2 β -decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Nizhankovskiy S.V.** – Transient mode features at sapphire growing by horizontal directional crystallization S.V.Barannik, V.N.Kanischev, S.V.Nizhankovskiy, A.M.Stepanenko 4 498
- Obolenskii M.A.** – Evolution of the pseudogap state in HTSC single crystals $ReB_2Cu_3O_{7-\delta}$ (Re=Y, Ho) doped with Al and Pr R.V.Vovk, A.A.Zavgorodniy, M.A.Obolenskii, A.V.Samoilov, Y.V.Biletskiy, V.M.Pinto 3 258
- Olejnik S.N.** – Method for energy scale calibration of the scintillation detector at registration of recoil protons V.P.Bozhko, A.N.Vodin, S.N.Olejnik, G.E.Tuller 2 122
- Opalev O.A.** – Surface morphology and structure of nanocrystalline diamond films deposited in $CH_4/H_2/Ar$ glow discharge plasma I.I.Vyrovets, V.I.Gritsyna, S.F.Dudnik, O.A.Opalev, E.N.Reshetnyak, V.E.Strel'nitskiy 2 155

Opilat V. – Radiation influence on characteristics of GaP light emitting diodes A.Borzakovskiy, O.Gontaruk, V.Kochkin, P.Litovchenko, V.Opilat, I.Petrenko, V.Tartachnyk	3	313	Pikelner L.B. – A liquid scintillator for thermal neutrons detection Ya.Ding, N.A.Gundorin, Zh.Zhang, I.B.Nemchenok, L.B.Pikelner	1	73
Osiko V.V. – ZnMgSe:Cr ²⁺ – a new active medium for lasers of middle IR Yu.A.Zagoruiko, N.O.Kovalenko, V.M.Puzikov, O.A.Fedorenko, T.T.Basiev, M.E.Doroshenko, V.V.Osiko, H.Jelinkova, P.Koranda	3	329	Pinto V.M. – Evolution of the pseudogap state in HTSC single crystals ReBa ₂ Cu ₃ O _{7-δ} (Re=Y, Ho) doped with Al and Pr R.V.Vovk, A.A.Zavgorodniy, M.A.Obolenskii, A.V.Samoilov, Y.V.Biletskiy, V.M.Pinto	3	258
Ovcharenko N.V. – Suppression mechanism of millisecond afterglow in CsI:Tl crystals by Eu ²⁺ impurity A.M.Kudin, A.V.Shkorporatenko, N.V.Ovcharenko, V.D.Alekseev, L.N.Trefilova, A.L.Shpilinskaya	3	275	Pirro S. – Li ₂ Zn ₂ (MoO ₄) ₃ crystal as a potential detector for ¹⁰⁰ Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spassky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova	3	266
Ovcharenko V.D. – Laminated material for gamma radiation shielding I.I.Aksenov, V.A.Belous, I.G.Goncharov, A.S.Kuprin, N.S.Lomino, A.V.Mazilov, V.D.Ovcharenko, V.S.Pavlov, B.N.Razsukovany	3	342	Piven L.A. – Portable radiation monitoring system on the base of CdWO ₄ scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Grinyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko	4	505
Panasyuk A.D. – Magnetron sputtered coatings of AlN–TiCrB ₂ system A.D.Panasyuk, I.A.Podchernyaeva, I.P.Neshpor, W.Gawalek, V.N.Ivanov	4	492	Podchernyaeva I.A. – Magnetron sputtered coatings of AlN–TiCrB ₂ system A.D.Panasyuk, I.A.Podchernyaeva, I.P.Neshpor, W.Gawalek, V.N.Ivanov	4	492
Pavlov V.S. – Laminated material for gamma radiation shielding I.I.Aksenov, V.A.Belous, I.G.Goncharov, A.S.Kuprin, N.S.Lomino, A.V.Mazilov, V.D.Ovcharenko, V.S.Pavlov, B.N.Razsukovany	3	342	Pogorelov A.E. – Preparation of heterogeneous film structures by thermally activated mass-transfer A.V.Filatov, A.E.Pogorelov, V.V.Nevdacha, A.F.Kravets	3	339
Pavlova E.P. – Multilayer film heterostructures. Silicides S.I.Sidorenko, Yu.N.Makogon, E.P.Pavlova, S.M.Voloshko	4	445	Poltavtsev N.S. – Phase composition evolution of co-precipitated zirconium and yttrium hydroxides during heat treatment S.V.Gabelkov, R.V.Tarasov, N.S.Poltavtsev, F.V.Belkin	2	197
Pavlyuk A.A. – Li ₂ Zn ₂ (MoO ₄) ₃ crystal as a potential detector for ¹⁰⁰ Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spassky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova	3	266	Ponomarenko T.V. – Scintillation material on the basis of Ba _x Sr _{1-x} Li ₂ Eu solid solutions N.V.Rebrova, V.L.Cherginets, N.N.Kosinov, T.V.Ponomarenko, T.P.Rebrova, I.N.Vjunnik, O.V.Zelenskaya	4	501
Pedash V.Yu. – Fringe effects in large-area scintillation detectors A.Yu.Boyarintsev, A.V.Gektin, V.P.Gavrilyuk, V.I.Koshel, V.Yu.Pedash	1	82	Popenaka A.N. – Electro-optical properties of polymeric guest-host system doped with 8-hydroxyquinoline azo dyes and its cobalt complexes N.A.Davidenko, I.I.Davidenko, I.A.Savchenko, A.T.Sinyugina, S.L.Studzinsky, A.N.Popenaka, L.S.Tonkovieva, A.Yu.Kolendo, A.N.Ankin	3	335
Petchenko A.M. – The dislocation resonance absorption of ultrasound in KBr crystals at low temperatures G.A.Petchenko, A.M.Petchenko	3	253	Popovych D.I. – Structure features and paramagnetic centres in oxide nanopowders V.N.Shevchuk, D.I.Popovych, Yu.N.Usatenko, P.Yu.Demchenko, R.Ya.Serkiz	4	448
Petchenko G.A. – The dislocation resonance absorption of ultrasound in KBr crystals at low temperatures G.A.Petchenko, A.M.Petchenko	3	253	Potyomkin M.M. – Preparation of high-gradient ferromagnetic matrices for magnetic filters (separators) with fractal surface structure by magnetoelectrolysis S.V.Gorobets, O.Yu.Gorobets, O.N.Bylo, M.M.Potyomkin	3	347
Petrenko I. – Radiation influence on characteristics of GaP light emitting diodes A.Borzakovskiy, O.Gontaruk, V.Kochkin, P.Litovchenko, V.Opilat, I.Petrenko, V.Tartachnyk	3	313	Pritula I.M. – The peculiarity of electric conductance of KDP single crystals A.N.Levchenko, I.M.Pritula, V.B.Tyutyunnik, A.P.Gavrik, Yu.N.Velikhov, K.N.Belikov, O.N.Khomenko, V.M.Puzikov	3	230
Petrusenko Yu.T. – Interplay of point and planar defects in the phase state formation and dynamics of Abrikosov vortices in YBa ₂ Cu ₃ O _{7-δ} crystals Yu.T.Petrusenko, A.V.Bondarenko	1	11			
Phomin A.S. – Evolution of the time and spatial photoresponse instabilities of the sensors based on CdZnTe crystals A.V.But, V.P.Mygal, A.S.Phomin	1	5			

- Puzikov V.M.** – Absorption edge of nanocrystalline cubic silicon carbide films A.V.Lopin, A.V.Semenov, V.M.Puzikov, S.N.Skorik 1 36
- Puzikov V.M.** – The spin states of cobalt ions and thermo-e.m.f. in erbium and holmium cobaltites V.F.Khirnyi, A.A.Kozlovskii, A.V.Semenov, V.M.Puzikov 2 150
- Puzikov V.M.** – The peculiarity of electric conductance of KDP single crystals A.N.Levchenko, I.M.Pritula, V.B.Tyutyunnik, A.P.Gavrik, Yu.N.Velikhov, K.N.Belikov, O.N.Khomenko, V.M.Puzikov 3 230
- Puzikov V.M.** – Effect of tolerance factor and A-site cations disorder on transport properties of $A'_{1-x}A''_x\text{CoO}_{3-\delta}$ perovskites ($A' = \text{Ho, Er}; A'' = \text{Ca, Sr}$) A.A.Kozlovskii, V.F.Khirnyi, A.V.Semenov, V.M.Puzikov, T.G.Deineka, O.V.Gaiduk, Yu.N.Chlang 3 292
- Puzikov V.M.** – ZnMgSe:Cr^{2+} – a new active medium for lasers of middle IR Yu.A.Zagoruiko, N.O.Kovalenko, V.M.Puzikov, O.A.Fedorenko, T.T.Basiev, M.E.Doroshenko, V.V.Osiko, H.Jelinkova, P.Koranda 3 329
- Puzikov V.M.** – Portable radiation monitoring system on the base of CdWO_4 scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Griynyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko 4 505
- Puzniak R.** – Effect of deformation by equal-channel multiangle pressing on functional properties of NbTi-based superconductor V.A.Beloshenko, V.P.Dyakonov, V.V.Chishko, N.I.Matrosov, O.N.Mironova, D.Gajda, A.J.Zaleski, R.Puzniak 2 174
- Ramazanov M.A.** – Size distribution of magnetite nanoparticles in a polymer matrix R.A.Ali-zade, M.A.Ramazanov, R.Z.Sadykhov 2 183
- Ratner M.** – Monte-Carlo simulation of random hyperbranched polymers with flexible branches M.Ratner 4 487
- Razsukovany B.N.** – Laminated material for gamma radiation shielding I.I.Aksenov, V.A.Belous, I.G.Goncharov, A.S.Kuprin, N.S.Lomino, A.V.Mazilov, V.D.Ovcharenko, V.S.Pavlov, B.N.Razsukovany 3 342
- Rebrova T.P.** – Scintillation material on the basis of $\text{Ba}_x\text{Sr}_{1-x}\text{La}_2\text{Eu}$ solid solutions N.V.Rebrova, V.L.Cherginets, N.N.Kosinov, T.V.Ponomarenko, T.P.Rebrova, I.N.Vjunnik, O.V.Zelenskaya 4 501
- Rebrova N.V.** – Scintillation material on the basis of $\text{Ba}_x\text{Sr}_{1-x}\text{La}_2\text{Eu}$ solid solutions N.V.Rebrova, V.L.Cherginets, N.N.Kosinov, T.V.Ponomarenko, T.P.Rebrova, I.N.Vjunnik, O.V.Zelenskaya 4 501
- Reshetnyak E.N.** – Surface morphology and structure of nanocrystalline diamond films deposited in $\text{CH}_4/\text{H}_2/\text{Ar}$ glow discharge plasma I.I.Vyrovets, V.I.Gritsyna, S.F.Dudnik, O.A.Opalev, E.N.Reshetnyak, V.E.Strel'nit'skiy 2 155
- Revenko Yu.F.** – Manifestation of multiphonon structure and orbitons in the tunnel spectra of manganites V.M.Svistunov, V.N.Leonova, M.A.Belogolovskii, Yu.F.Revenko 3 302
- Rogul T.G.** – Transition from microstructures to nanostructures and ultimate hardening S.A.Firstov, T.G.Rogul, O.A.Shut 4 364
- Roschenko S.T.** – Evolution of magnetic and magnetoresistive properties of sputtered NiFe/Cu/Co/Cu nanostructures under ageing and annealing S.T.Roschenko, I.G.Shipkova, Yu.I.Chekrygina 4 424
- Ryzhikov V.D.** – Portable radiation monitoring system on the base of CdWO_4 scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Griynyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko 4 505
- Sadykhov R.Z.** – Size distribution of magnetite nanoparticles in a polymer matrix R.A.Ali-zade, M.A.Ramazanov, R.Z.Sadykhov 2 183
- Samoilov A.V.** – Evolution of the pseudogap state in HTSC single crystals $\text{ReBa}_2\text{Cu}_3\text{O}_{7-\delta}$ ($\text{Re}=\text{Y, Ho}$) doped with Al and Pr R.V.Vovk, A.A.Zavgorodniy, M.A.Obolenskii, A.V.Samoilov, Y.V.Biletskiy, V.M.Pinto 3 258
- Savchenko I.A.** – Electro-optical properties of polymeric guest-host system doped with 8-hydroxyquinoline azo dyes and its cobalt complexes N.A.Davidenko, I.I.Davidenko, I.A.Savchenko, A.T.Sinyugina, S.L.Studzinskiy, A.N.Popenaka, L.S.Tonkopyeva, A.Yu.Kolendo, A.N.Ankin 3 335
- Savchyn P.** – Formation of La-containing microcrystals in KCl and NaCl matrices T.Demkiv, V.Vistovskyy, P.Savchyn, G.Stryganyuk, A.Voloshinovskii, L.Demkiv 3 225
- Savchyn P.V.** – Influence of isovalent doping on the cathodoluminescence of $\text{Li}_2\text{B}_4\text{O}_7:\text{A}$ ($\text{A} = \text{K, Cu, Ag}$) single crystals V.T.Adamiv, V.P.Savchyn, P.V.Savchyn, I.M.Teslyuk, Ya.V.Burak 3 247
- Savchyn V.P.** – Influence of isovalent doping on the cathodoluminescence of $\text{Li}_2\text{B}_4\text{O}_7:\text{A}$ ($\text{A} = \text{K, Cu, Ag}$) single crystals V.T.Adamiv, V.P.Savchyn, P.V.Savchyn, I.M.Teslyuk, Ya.V.Burak 3 247
- Savon A.E.** – $\text{Li}_2\text{Zn}_2(\text{MoO}_4)_3$ crystal as a potential detector for ^{100}Mo 2β -decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovy, V.V.Mikhailik, S.S.Nagornyy, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Sedlyar A.G.** – The correlation between film structure and surface temperature L.R.Shaginyan, I.V.Belousov, A.G.Sedlyar 4 384
- Selegenev Ye.M.** – Portable radiation monitoring system on the base of CdWO_4 scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Griynyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko 4 505

Semenov A.V. – Absorption edge of nanocrystalline cubic silicon carbide films A.V.Lopin, A.V.Semenov, V.M.Puzikov, S.N.Skorik	1	36	Shirinov M.M. – Influence of γ -irradiation on current-voltage characteristics of TiGaSe ₂ single crystal A.A.Ismailov, N.D.Achmedzade, M.M.Shirinov, S.T.Aghaliev	4	481
Semenov A.V. – The spin states of cobalt ions and thermo-e.m.f. in erbium and holmium cobaltites V.F.Khirnyi, A.A.Kozlovskii, A.V.Semenov, V.M.Puzikov	2	150	Shkoropatenko A.V. – Suppression mechanism of millisecond afterglow in CsI:Tl crystals by Eu ²⁺ impurity A.M.Kudin, A.V.Shkoropatenko, N.V.Ovcharenko, V.D.Alekseev, L.N.Trefilova, A.L.Shpilinskaya	3	275
Semenov A.V. – Effect of tolerance factor and A-site cations disorder on transport properties of A' _{1-x} A'' _x CoO _{3-δ} perovskites (A' = Ho, Er; A'' = Ca, Sr) A.A.Kozlovskii, V.F.Khirnyi, A.V.Semenov, V.M.Puzikov, T.G.Deineka, O.V.Gaiduk, Yu.N.Chiang	3	292	Shkurinov A.P. – Optical and nonlinear optical characterization of nanostructured oxyhydroxide of aluminium V.Ya.Gayvoronsky, M.A.Kopylovsky, E.A.Vishnyakov, A.N.Khodan, J.L.Vignes, M.N.Esaulkov, A.P.Shkurinov	2	136
Semynozhenko V.P. – Scintillation primary quenching in organic condensed media revisited N.Z.Galunov, E.V.Martynenko, V.P.Semynozhenko, O.A.Tarasenko	2	117	Shlegel V.N. – Growing of ZnWO ₄ single crystals from melt by the low thermal gradient Czochralski technique E.N.Galashov, V.A.Gusev, V.N.Shlegel, Ya.V.Vasiliev	1	65
Serbina M.I. – Effects of liquid crystalline ordering on the luminescence spectra of model compounds with packing-sensitive molecular structure L.N.Zavora, M.I.Serbina, N.A.Kasian, Yu.A. Gurkalenko, V.M.Shershukov, L.N.Lisetski	4	470	Shpilinskaya A.L. – Suppression mechanism of millisecond afterglow in CsI:Tl crystals by Eu ²⁺ impurity A.M.Kudin, A.V.Shkoropatenko, N.V.Ovcharenko, V.D.Alekseev, L.N.Trefilova, A.L.Shpilinskaya	3	275
Serkiz R.Ya. – Structure features and paramagnetic centres in oxide nanopowders V.N.Shevchuk, D.I.Popovych, Yu.N.Usatenko, P.Yu.Demchenko, R.Ya.Serkiz	4	448	Shtitelman Z.V. – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov	1	67
Shadrikov A.S. – Optically transparent melamine-formaldehyde polymers modified with proton acceptors V.V.Lebedev, T.A.Blank, V.L.Avrachenko, L.P.Eksperandova, D.A.Mishurov, V.D.Titskaya, A.S.Shadrikov	3	351	Shut O.A. – Transition from microstructures to nanostructures and ultimate hardening S.A.Firstov, T.G.Rogul, O.A.Shut	4	364
Shaginyan L.R. – The correlation between film structure and surface temperature L.R.Shaginyan, I.V.Belousov, A.G.Sedlyar	4	384	Sidletskiy O.Ts. – Luminescence kinetics of crystals LSO co-doped with rare-earth elements N.G.Starzhinsky, O.Ts.Sidletskiy, B.V.Grinyov, A.A.Masalov, Yu.V.Malyukin, K.A.Katrunov, I.M.Zenya, D.A.Kurtsev, V.G.Bondar	4	431
Shekhovtsov A.N. – Portable radiation monitoring system on the base of CdWO ₄ scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Grinyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belogub, A.V.Didenko	4	505	Sidletskiy O.Ts. – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov	1	67
Shershukov V.M. – Effects of liquid crystalline ordering on the luminescence spectra of model compounds with packing-sensitive molecular structure L.N.Zavora, M.I.Serbina, N.A.Kasian, Yu.A. Gurkalenko, V.M.Shershukov, L.N.Lisetski	4	470	Sidorenko S.I. – Multilayer film heterostructures. Silicides S.I.Sidorenko, Yu.N.Makogon, E.P.Pavlova, S.M.Voloshko	4	445
Shevchuk V.N. – Structure features and paramagnetic centres in oxide nanopowders V.N.Shevchuk, D.I.Popovych, Yu.N.Usatenko, P.Yu.Demchenko, R.Ya.Serkiz	4	448	Sinani A.B. – Dependence of sapphire hardness on loading type and orientation A.B.Sinani, N.K.Dynkin, P.V.Konevskiy, L.A.Lytvynov	4	456
Shipkova I.G. – Structure, phase states and change of magnetic properties at recrystallization of thin-film Ni laser condensates A.G.Bagmut, I.G.Shipkova, V.A.Zhuchkov	2	161	Sinitskii A.S. – Luminescent photonic crystals S.O.Klimonsky, A.S.Sinitskii, V.V.Abramova, S.V.Eliseeva, J.Li, P.Zhang, M.Li, J.Y.Zhou, Yu.D.Tretyakov	1	29
Shipkova I.G. – Structure and magnetic state of films deposited by laser sputtering of nickel A.G.Bagmut, I.G.Shipkova, V.A.Zhuchkov	4	405	Sinyugina A.T. – Electro-optical properties of polymeric guest-host system doped with 8-hydroxyquinoline azo dyes and its cobalt complexes N.A.Davidenko, I.I.Davidenko, I.A.Savchenko, A.T.Sinyugina, S.L.Studzinsky, A.N.Popenaka, L.S.Tonkopyeva, A.Yu.Kolendo, A.N.Ankin	3	335
Shipkova I.G. – Evolution of magnetic and magnetoresistive properties of sputtered NiFe/Cu/Co/Cu nanostructures under ageing and annealing S.T.Roschenko, I.G.Shipkova, Yu.I.Chekrygina	4	424			

- Sipatov A.Yu.** – Superlattice nanostructures based on chalcogenide semiconductors A.Yu.Sipatov 4 374
- Skibin A.P.** – Precision tomographic system based on annular scintillation detector and Multi Pin-hole collimator A.V.Dyomin, A.P.Skibin 2 206
- Skorik S.N.** – Absorption edge of nanocrystalline cubic silicon carbide films A.V.Lopin, A.V.Semenov, V.M.Puzikov, S.N.Skorik 1 36
- Skrypnyk N.V.** – Effect of oxidation method of cadmium and zinc chalcogenide substrates on physical properties of CdO and ZnO heterolayers V.P.Makhniy, Yu.N.Boiko, N.V.Skrypnyk, M.M.Slyotov, S.V.Khusnutdinov 1 59
- Slyotov M.M.** – Effect of oxidation method of cadmium and zinc chalcogenide substrates on physical properties of CdO and ZnO heterolayers V.P.Makhniy, Yu.N.Boiko, N.V.Skrypnyk, M.M.Slyotov, S.V.Khusnutdinov 1 59
- Sofronov D.S.** – Mass-spectrometric studies of the charge for CdWO₄ crystal growth D.S.Sofronov, L.L.Nagornaya, I.A.Tupitsyna, K.A.Kudin 1 97
- Solodovnikov S.F.** – Li₂Zn₂(MoO₄)₃ crystal as a potential detector for ¹⁰⁰Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spassky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Solodovnikova Z.A.** – Li₂Zn₂(MoO₄)₃ crystal as a potential detector for ¹⁰⁰Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spassky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Sorokin A.V.** – Effects of surfactants on the molecular aggregation of squaraine dye Sq-2Me in aqueous solutions S.L.Yefimova, G.Ya.Guralchuk, A.S.Lebed', A.V.Sorokin, Yu.V.Malyukin, I.Yu.Kurilchenko 4 460
- Spassky D.A.** – Li₂Zn₂(MoO₄)₃ crystal as a potential detector for ¹⁰⁰Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spassky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova 3 266
- Spiridonov N.A.** – Relaxation processes in hard piezoelectric ceramics D.V.Kuzenko, V.M.Ishchuk, A.I.Bazhin, N.A.Spiridonov 4 436
- Starzhinsky N.G.** – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov 1 67
- Starzhinsky N.G.** – Luminescence kinetics of crystals LSO co-doped with rare-earth elements N.G.Starzhinsky, O.Ts.Sidletskiy, B.V.Grinyov, A.A.Masalov, Yu.V.Malyukin, K.A.Katrunov, I.M.Zenya, D.A.Kurtsev, V.G.Bondar 4 431
- Steblenko L.P.** – The relaxation of magnetomechanical effect in silicon crystals under cyclic magnetic treatment V.A.Makara, L.P.Steblenko, A.M.Kuryliuk, Iu.L.Kobzar, S.M.Naumenko, A.M.Krit, V.M.Kravchenko 3 237
- Stepanenko A.M.** – Transient mode features at sapphire growing by horizontal directional crystallization S.V.Barannik, V.N.Kanishev, S.V.Nizhankovsky, A.M.Stepanenko 4 498
- Strel'nitskiy V.E.** – Surface morphology and structure of nanocrystalline diamond films deposited in CH₄/H₂/Ar glow discharge plasma I.I.Vyrovets, V.I.Gritsyna, S.F.Dudnik, O.A.Opalev, E.N.Reshetnyak, V.E.Strel'nitskiy 2 155
- Stronski A.V.** – Optical properties of Ge-As-S thin films I.D.Tolmachov, A.V.Stronski 1 32
- Stronski A.V.** – Study of surface influence on the *n*-Ge(110) electroreflectance spectra and their polarization spectroscopy O.I.Vlasenko, P.O.Gentsar, A.V.Stronski 3 286
- Stronski O.V.** – Infrared spectroscopy and electroreflectance in the region of fundamental optical transition E₀ of heavily doped *n*-GaAs (100) P.O.Gentsar, O.I.Vlasenko, M.V.Vuichyk, O.V.Stronski 1 23
- Stryganyuk G.** – Formation of La-containing microcrystals in KCl and NaCl matrices T.Demkiv, V.Vistovskyy, P.Savchyn, G.Stryganyuk, A.Voloshinovskii, L.Demkiv 3 225
- Studzinsky S.L.** – Electro-optical properties of polymeric guest-host system doped with 8-hydroxyquinoline azo dyes and its cobalt complexes N.A.Davidenko, I.I.Davidenko, I.A.Savchenko, A.T.Sinyugina, S.L.Studzinsky, A.N.Popenaka, L.S.Tonkovieva, A.Yu.Kolendo, A.N.Ankin 3 335
- Sukhareva T.V.** – Phase transitions in the weak links system of granular YBa₂Cu₃O_{7-δ} HTSC T.V.Sukhareva, V.A.Finkel 4 418
- Sulima S.V.** – ZnSe:Cr²⁺ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina 2 192
- Svistunov V.M.** – Manifestation of multiphonon structure and orbitons in the tunnel spectra of manganites V.M.Svistunov, V.N.Leonova, M.A.Belogolovskii, Yu.F.Revenko 3 302

Sytnyk M. – Magnetite and maghemite nanocrystals: variation of synthesis and stabilization conditions O.Korovyanko, M.Sytnyk, Yu.Khalavka, O.Kopach	2	211	Terzin I.S. – ZnSe:Cr ²⁺ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina	2	192
Tamulaitis G. – Temperature dependence of radiation resistance of scintillation detectors based on lead tungstate crystals S.F.Burachas, M.S.Ippolitov, V.I.Manko, S.A.Nikulina, A.N.Vasiliev, A.L.Apanasenko, A.N.Vasiliev, A.V.Uzianin, G.Tamulaitis	1	76	Teslyuk I.M. – Influence of isovalent doping on the cathodoluminescence of Li ₂ B ₄ O ₇ :A (A = K, Cu, Ag) single crystals V.T.Adamiv, V.P.Savchyn, P.V.Savchyn, I.M.Teslyuk, Ya.V.Burak	3	247
Taran A.V. – Structure of Cu-In-Se thin films of variable composition S.N.Grigorov, V.M.Kosevich, A.V.Taran	3	324	Titskaya V.D. – Optically transparent melamine-formaldehyde polymers modified with proton acceptors V.V.Lebedev, T.A.Blank, V.L.Avrachenko, L.P.Eksperandova, D.A.Mishurov, V.D.Titskaya, A.S.Shadrikov	3	351
Tarasenko O.A. – New generation of organic scintillation materials S.V.Budakovskiy, N.Z.Galunov, B.V.Grinyov, J.K.Kim, Y.K.Kim, O.A.Tarasenko	1	86	Titskaya V.D. – Efficiency improvement of polystyrene-based plastic scintillators A.F.Adadurov, P.N.Zhmurin, V.N.Lebedev, V.D.Titskaya	4	475
Tarasenko O.A. – Development of new composite scintillators based on organic single crystal grains N.L.Karavaeva, O.A.Tarasenko	1	92	Tkachenko S.A. – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov	1	67
Tarasenko O.A. – Scintillation primary quenching in organic condensed media revisited N.Z.Galunov, E.V.Martynenko, V.P.Semyozhenko, O.A.Tarasenko	2	117	Tolmachev I.D. – Optical properties of Ge-As-S thin films I.D.Tolmachev, A.V.Stronski	1	32
Tarasenko O.A. – Molecular packing in organic anisotropic media: effects of piezothermal factors on optical transmission in polycrystalline samples S.S.Minenko, O.A.Tarasenko, S.V.Budakovskiy, L.N.Lisetski, N.Z.Galunov	2	126	Tonkovieva L.S. – Electro-optical properties of polymeric guest-host system doped with 8-hydroxyquinoline azo dyes and its cobalt complexes N.A.Davidenko, I.I.Davidenko, I.A.Savchenko, A.T.Sinyugina, S.L.Studzinsky, A.N.Popenaka, L.S.Tonkovieva, A.Yu.Kolendo, A.N.Ankin	3	335
Tarasov R.V. – Phase composition evolution of co-precipitated zirconium and yttrium hydroxides during heat treatment S.V.Gabelkov, R.V.Tarasov, N.S.Poltavtsev, F.V.Belkin	2	197	Trefilova L.N. – Suppression mechanism of millisecond afterglow in CsI:Tl crystals by Eu ²⁺ impurity A.M.Kudin, A.V.Shkoropatenko, N.V.Ovcharenko, V.D.Alekseev, L.N.Trefilova, A.L.Shpilinskaya	3	275
Tarasov V.A. – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunov, V.A.Tarasov	1	67	Tretyak V.I. – Li ₂ Zn ₂ (MoO ₄) ₃ crystal as a potential detector for ¹⁰⁰ Mo β ⁻ decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorniy, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spaskiy, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova	3	266
Tarasov V.A. – Portable radiation monitoring system on the base of CdWO ₄ scintillator M.B.Kosmyna, B.P.Nazarenko, V.M.Puzikov, A.N.Shekhovtsov, B.V.Grinyov, Yu.A.Borodenko, Ye.M.Selegenev, V.D.Ryzhikov, L.A.Piven, V.A.Tarasov, Yu.S.Kozmin, V.V.Belgub, A.V.Didenko	4	505	Tretyakov Yu.D. – Luminescent photonic crystals S.O.Klimonskiy, A.S.Sinitiskii, V.V.Abramova, S.V.Eliseeva, J.Li, P.Zhang, M.Li, J.Y.Zhou, Yu.D.Tretyakov	1	29
Tarasov V.A. – Radiometric characteristics of combined detectors on the basis of organic and inorganic scintillators and the use thereof in radiational situation monitoring V.A.Tarasov, Yu.T.Vydai, T.E.Gorbacheva, A.A.Ananenko	2	202	Tuller G.E. – Method for energy scale calibration of the scintillation detector at registration of recoil protons V.P.Bozhko, A.N.Vodin, S.N.Olejnik, G.E.Tuller	2	122
Tartachnyk V. – Radiation influence on characteristics of GaP light emitting diodes A.Borzakovskiy, O.Gontaruk, V.Kochkin, P.Litovchenko, V.Opilat, I.Petrenko, V.Tartachnyk	3	313	Tupitsyna I.A. – Research and development of alkali earth tungstate and molybdate crystal scintillators for search for rare events L.L.Nagornaya, A.M.Dubovik, B.V.Grinyov, K.A.Katrunov, I.A.Tupitsyna, Yu.Ya.Vostretsov	1	54
Temchenko V.P. – Raman and ESR study of gas detonation deposited hydroxyapatite coatings V.M.Dzhagan, M.Ya.Valakh, A.A.Konchits, I.P.Vorona, V.S.Yefanov, M.I.Klyui, V.P.Temchenko, V.A.Dubok	3	306			
Tertykh V.A. – Inorganic anion exchanger based on silica with grafted polyhexamethyleneguanidine hydrochloride E.S.Yanovska, A.D.Dadashev, V.A.Tertykh	1	105			

Tupitsyna I.A. – Mass-spectrometric studies of the charge for CdWO ₄ crystal growth D.S.Sofronov, L.L.Nagornaya, I.A.Tupitsyna, K.A.Kudin	1	97	Vishnyakov E.A. – Optical and nonlinear optical characterization of nanostructured oxyhydroxide of aluminium V.Ya.Gayvoronsky, M.A.Kopylovsky, E.A.Vishnyakov, A.N.Khodan, J.L.Vignes, M.N.Esaulkov, A.P.Shkurinov	2	136
Tyutyunnik V.B. – The peculiarity of electric conductance of KDP single crystals A.N.Levchenko, I.M.Pritula, V.B.Tyutyunnik, A.P.Gavrik, Yu.N.Velikhov, K.N.Belikov, O.N.Khomenko, V.M.Puzikov	3	230	Vistovskyy V. – Formation of La-containing microcrystals in KCl and NaCl matrices T.Demkiv, V.Vistovskyy, P.Savchyn, G.Stryganyuk, A.Voloshinovskii, L.Demkiv	3	225
Usatenko Yu.N. – Structure features and paramagnetic centres in oxide nanopowders V.N.Shevchuk, D.I.Popovych, Yu.N.Usatenko, P.Yu.Demchenko, R.Ya.Serkiz	4	448	Vjunnik I.N. – Scintillation material on the basis of Ba _x Sr _{1-x} Eu solid solutions N.V.Rebrova, V.L.Cherginets, N.N.Kosinov, T.V.Ponomarenko, T.P.Rebrova, I.N.Vjunnik, O.V.Zelenskaya	4	501
Uzunian A.V. – Temperature dependence of radiation resistance of scintillation detectors based on lead tungstate crystals S.F.Burachas, M.S.Ippolitov, V.I.Manko, S.A.Nikulin, A.N.Vasiliev, A.L.Apanasenko, A.N.Vasiliev, A.V.Uzunian, G.Tamulaitis	1	76	Vlasenko O.I. – Infrared spectroscopy and electroreflectance in the region of fundamental optical transition E_0 of heavily doped <i>n</i> -GaAs (100) P.O.Gentsar, O.I.Vlasenko, M.V.Vuichyk, O.V.Stronski	1	23
Valakh M.Ya. – Raman and ESR study of gas detonation deposited hydroxyapatite coatings V.M.Dzhagan, M.Ya.Valakh, A.A.Konchits, I.P.Vorona, V.S.Yefanov, M.I.Klyui, V.P.Temchenko, V.A.Dubok	3	306	Vlasenko O.I. – Study of surface influence on the <i>n</i> -Ge(110) electroreflectance spectra and their polarization spectroscopy O.I.Vlasenko, P.O.Gentsar, A.V.Stronski	3	286
Vasiliev A.N. – Temperature dependence of radiation resistance of scintillation detectors based on lead tungstate crystals S.F.Burachas, M.S.Ippolitov, V.I.Manko, S.A.Nikulin, A.N.Vasiliev, A.L.Apanasenko, A.N.Vasiliev, A.V.Uzunian, G.Tamulaitis	1	76	Vodin .N. – Method for energy scale calibration of the scintillation detector at registration of recoil protons V.P.Bozhko, .N.Vodin, S.N.Olejnik, G.E.Tuller	2	122
Vasiliev A.N. – Temperature dependence of radiation resistance of scintillation detectors based on lead tungstate crystals S.F.Burachas, M.S.Ippolitov, V.I.Manko, S.A.Nikulin, A.N.Vasiliev, A.L.Apanasenko, A.N.Vasiliev, A.V.Uzunian, G.Tamulaitis	1	76	Volkova N.D. – Contact electrodeposition of CdTe thin films N.P.Klochko, N.D.Volkova, M.M.Kharchenko, V.R.Kopach	2	190
Vasiliev Ya.V. – Growing of ZnWO ₄ single crystals from melt by the low thermal gradient Czochralski technique E.N.Galashov, V.A.Gusev, V.N.Shlegel, Ya.V.Vasiliev	1	65	Voloshinovskii A. – Formation of La-containing microcrystals in KCl and NaCl matrices T.Demkiv, V.Vistovskyy, P.Savchyn, G.Stryganyuk, A.Voloshinovskii, L.Demkiv	3	225
Vatnik S.M. – Li ₂ Zn ₂ (MoO ₄) ₃ crystal as a potential detector for ¹⁰⁰ Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova	3	266	Voloshko S.M. – Multilayer film heterostructures. Silicides S.I.Sidorenko, Yu.N.Makogon, E.P.Pavlova, S.M.Voloshko	4	445
Velikhov Yu.N. – The peculiarity of electric conductance of KDP single crystals A.N.Levchenko, I.M.Pritula, V.B.Tyutyunnik, A.P.Gavrik, Yu.N.Velikhov, K.N.Belikov, O.N.Khomenko, V.M.Puzikov	3	230	Vorona I.P. – Raman and ESR study of gas detonation deposited hydroxyapatite coatings V.M.Dzhagan, M.Ya.Valakh, A.A.Konchits, I.P.Vorona, V.S.Yefanov, M.I.Klyui, V.P.Temchenko, V.A.Dubok	3	306
Viagin O.G. – Diffusion-controlled excitation annihilation in Sr ₂ CeO ₄ crystal A.A.Masalov, O.G.Viagin, I.I.Ganina, Yu.V.Malyukin	4	442	Vostretsov Yu.Ya. – Research and development of alkali earth tungstate and molybdate crystal scintillators for search for rare events L.L.Nagornaya, A.M.Dubovik, B.V.Grinyov, K.A.Katrunov, I.A.Tupitsyna, Yu.Ya.Vostretsov	1	54
Vignes J.L. – Optical and nonlinear optical characterization of nanostructured oxyhydroxide of aluminium V.Ya.Gayvoronsky, M.A.Kopylovsky, E.A.Vishnyakov, A.N.Khodan, J.L.Vignes, M.N.Esaulkov, A.P.Shkurinov	2	136	Vovk R.V. – Evolution of the pseudogap state in HTSC single crystals ReBa ₂ Cu ₃ O _{7-δ} (Re=Y, Ho) doped with Al and Pr R.V.Vovk, A.A.Zavgorodniy, M.A.Obolenskii, A.V.Samoilov, Y.V.Biletskiy, V.M.Pinto	3	258
			Vuichyk M.V. – Infrared spectroscopy and electroreflectance in the region of fundamental optical transition E_0 of heavily doped <i>n</i> -GaAs (100) P.O.Gentsar, O.I.Vlasenko, M.V.Vuichyk, O.V.Stronski	1	23
			Vyagin O.G. – Colloidal synthesis and properties of lanthanide orthophosphate nanophosphors V.K.Klochkov, N.S.Kavok, Yu.V.Malyukin, A.A.Masalov, O.G.Vyagin	4	466

Vydai Yu.T. – Radiometric characteristics of combined detectors on the basis of organic and inorganic scintillators and the use thereof in radiational situation monitoring V.A.Tarasov, Yu.T.Vydai, T.E.Gorbacheva, A.A.Ananenko	2	202	Zavora L.N. – Effects of liquid crystalline ordering on the luminescence spectra of model compounds with packing-sensitive molecular structure L.N.Zavora, M.I.Serbina, N.A.Kasian, Yu.A. Gurkalenko, V.M.Shershukov, L.N.Lisetski	4	470
Vyrovets I.I. – Surface morphology and structure of nanocrystalline diamond films deposited in CH ₄ /H ₂ /Ar glow discharge plasma I.I.Vyrovets, V.I.Gritsyna, S.F.Dudnik, O.A.Opalev, E.N.Reshetnyak, V.E.Strel'nitskiy	2	155	Zelenskaya O.V. – Preparation and scintillation properties of LGSO:Ce crystals O.Ts.Sidletskiy, V.G.Bondar, B.V.Grinyov, D.A.Kurtsev, V.N.Baumer, K.N.Belikov, Z.V.Shtitelman, S.A.Tkachenko, O.V.Zelenskaya, N.G.Starzhinsky, K.A.Katrunicov, V.A.Tarasov	1	67
Yanovska E.S. – Inorganic anion exchanger based on silica with grafted polyhexamethyleneguanidine hydrochloride E.S.Yanovska, A.D.Dadashev, V.A.Tertykh	1	105	Zelenskaya O.V. – Scintillation material on the basis of Ba _x Sr _{1-x} Lu ₂ Eu solid solutions N.V.Rebrova, V.L.Cherginets, N.N.Kosinov, T.V.Ponomarenko, T.P.Rebrova, I.N.Vjunnik, O.V.Zelenskaya	4	501
Yefanov V.S. – Raman and ESR study of gas detonation deposited hydroxyapatite coatings V.M.Dzhagan, M.Ya.Valakh, A.A.Konchits, I.P.Vorona, V.S.Yefanov, M.I.Klyui, V.P.Temchenko, V.A.Dubok	3	306	Zenya I.M. – Luminescence kinetics of crystals LSO co-doped with rare-earth elements N.G.Starzhinsky, O.Ts.Sidletskiy, B.V.Grinyov, A.A.Masalov, Yu.V.Malyukin, K.A.Katrunicov, I.M.Zenya, D.A.Kurtsev, V.G.Bondar	4	431
Yefimova S. – Spectroscopic studies of dye-surfactant interactions in aqueous solutions in pre- and post-micelle formation concentration ranges S.Yefimova	1	41	Zhang P. – Luminescent photonic crystals S.O.Klimonsky, A.S.Sinitskii, V.V.Abramova, S.V.Eliseeva, J.Li, P.Zhang, M.Li, J.Y.Zhou, Yu.D.Tretyakov	1	29
Yefimova S.L. – Effects of surfactants on the molecular aggregation of squaraine dye Sq-2Me in aqueous solutions S.L.Yefimova, G.Ya.Guralchuk, A.S.Lebed', A.V.Sorokin, Yu.V.Malyukin, I.Yu.Kurilchenko	4	460	Zhang Zh. – A liquid scintillator for thermal neutrons detection Ya.Ding, N.A.Gundorin, Zh.Zhang, I.B.Nemchenok, L.B.Pikelner	1	73
Yermolayeva Yu.V. – Spherical phosphors Lu ₂ O ₃ : Eu coated with SiO ₂ shells Yu.V.Yermolayeva	4	508	Zhmurin P.N. – Efficiency improvement of polystyrene-based plastic scintillators A.F.Adadurov, P.N.Zhmurin, V.N.Lebelev, V.D.Titskaya	4	475
Yunakova O.N. – Absorption spectra of layered ZnI ₂ and K ₂ ZnI ₄ compounds intercalated with CO ₂ O.N.Yunakova, V.K.Miloslavsky, E.N.Kovalenko, E.D.Makovetsky	2	130	Zhou J.Y. – Luminescent photonic crystals S.O.Klimonsky, A.S.Sinitskii, V.V.Abramova, S.V.Eliseeva, J.Li, P.Zhang, M.Li, J.Y.Zhou, Yu.D.Tretyakov	1	29
Zagoruiko Yu.A. – ZnSe:Cr ²⁺ laser crystals grown by Bridgman method V.K.Komar, D.P.Nalivaiko, S.V.Sulima, Yu.A.Zagoruiko, O.A.Fedorenko, N.O.Kovalenko, O.N.Chugai, I.S.Terzin, A.S.Gerasimenko, N.G.Dubina	2	192	Zhuchkov V.A. – Structure, phase states and change of magnetic properties at recrystallization of thin-film Ni laser condensates A.G.Bagmut, I.G.Shipkova, V.A.Zhuchkov	2	161
Zagoruiko Yu.A. – ZnMgSe:Cr ²⁺ – a new active medium for lasers of middle IR Yu.A.Zagoruiko, N.O.Kovalenko, V.M.Puzikov, O.A.Fedorenko, T.T.Basiev, M.E.Doroshenko, V.V.Osiko, H.Jelinkova, P.Koranda	3	329	Zhuchkov V.A. – Structure and magnetic state of films deposited by laser sputtering of nickel A.G.Bagmut, I.G.Shipkova, V.A.Zhuchkov	4	405
Zaleski A.J. – Effect of deformation by equal-channel multiangle pressing on functional properties of NbTi-based superconductor V.A.Beloshenko, V.P.Dyakonov, V.V.Chishko, N.I.Matrosov, O.N.Mironova, D.Gajda, A.J.Zaleski, R.Puzniak	2	174	Zolotova E.S. – Li ₂ Zn ₂ (MoO ₄) ₃ crystal as a potential detector for ¹⁰⁰ Mo 2β-decay search N.V.Bashmakova, F.A.Danevich, V.Ya.Degoda, I.M.Dmitruk, V.M.Kudovbenko, S.Yu.Kutovyi, V.V.Mikhailik, S.S.Nagorny, A.S.Nikolaiko, S.Nisi, A.A.Pavlyuk, S.Pirro, A.E.Savon, S.F.Solodovnikov, Z.A.Solodovnikova, D.A.Spasky, V.I.Tretyak, S.M.Vatnik, E.S.Zolotova	3	266
Zavgorodniy A.A. – Evolution of the pseudogap state in HTSC single crystals ReBa ₂ Cu ₃ O _{7-δ} (Re=Y, Ho) doped with Al and Pr R.V.Vovk, A.A.Zavgorodniy, M.A.Obolenskii, A.V.Samoilov, Y.V.Biletskiy, V.M.Pinto	3	258	Zuber S. – Investigation of (100) In ₄ Se ₃ crystal surface nanorelief P.V.Galiy, A.Ciszewski, O.R.Dveriy, Ya.B.Losovyj, P.Mazur, T.M.Nenchuk, S.Zuber, Ya.M.Fiyala	3	279