

**Author Index**  
**Functional Materials Vol. 24, 1–4**

- Abdullayev F.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Ahmadov G.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Ahmadov F.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Akberov R.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Alizadeh M.** – Luminescence of Dipole-centers in ZnSe crystals M.Alizadeh, V.Ya.Degoda, B.V.Kozhushko, N.Yu.Pavlova 2 206
- Ananenko A.A.** – Large area detector of low-energy gamma radiation T.A.Nepokupnaya, A.A.Ananenko, A.Yu.Boyarintsev, A.A.Bobovnikov, A.V.Gektin, S.N.Kovalchuk, Yu.D.Onufriyev, V.Yu.Pedash 4 678
- Aseev A.S.** – Distribution peculiarities of stray fields and magnetization near magnet singularities V.N.Samofalov, D.P.Belozorov, A.G.Ravlik, A.S.Aseev 3 365
- Avramenko B.A.** – Internal stresses and magnetic properties of Fe-Co electrolytic coatings V.O.Proskurina, I.Yu.Yermolenko, S.I.Zyubanova, I.G.Shipkova, B.A.Avramenko, Yu.I.Sachanova 3 420
- Babenko G.N.** – Growth peculiarities of doped lithium dihydrogen phosphate single crystals from nonstoichiometric solution G.N.Babenko, I.M.Pritula 2 226
- Babich O.** – Investigation of structure formation in lithium silicate glasses on initial stages of nucleation O.Savvova, O.Babich, M.Kuriakin, A.Grivtsova, V.Topchiy 2 311
- Babutina T.Ye.** – Adsorption of ceftriaxon by biogenic hydroxyapatite with magnetic additions O.M.Otychenko, T.Ye.Babutina, O.A.Kuda, O.M.Budylina, L.S.Protsenko, O.Yu.Koval, I.V.Uvarova 4 577
- Belozorov D.P.** – Distribution peculiarities of stray fields and magnetization near magnet singularities V.N.Samofalov, D.P.Belozorov, A.G.Ravlik, A.S.Aseev 3 365
- Belyaev A.E.** – Phosphorylated thiacalixarenes as molecular receptors for QCM sensors of volatile compounds Z.I.Kazantseva, I.A.Koshets, A.E.Belyaev, A.B.Ryabitskii, S.G.Kharchenko, A.B.Drapailo, V.I.Kalchenko, S.V.Shishkina, O.V.Shishkin 4 599
- Belyavina N.M.** – Electret properties of Ca<sub>5</sub>Nb<sub>4</sub>TiO<sub>17</sub> with five-layered perovskite-like structure Y.O.Titov, M.S.Slobodyanik, N.M.Belyavina, O.I.Nakonechna, V.V.Chumak, R.M.Kuzmin 4 559
- Bespalov S.** – Energy state and micro-mechanical properties of PbO–ZnO–B<sub>2</sub>O<sub>3</sub> glass-ceramic functional coatings on AISI420 stainless steel substrate Z.Duriagina, T.Kovbasyuk, T.Bialopiotrowicz, S.Bespalov 2 250
- Bespalova I.I.** – Using cyanine dye J-aggregates as luminescence probe for nanostructured media A.V. Sorokin, I.Yu. Ropakova, I.A. Borovoy, I.I. Bespalova, S.L. Yefimova 3 388
- Bespalova I.I.** – Obtaining of ZnSe nanocrystals from ZnSe bulk crystals by mechanical milling and chemical vapor deposition in silica matrices L.I.Voloshina, V.V.Seminko, I.I.Bespalova, P.O.Maksimchuk, O.G.Viagin, A.A.Masalov 1 11
- Bespalova I.I.** – Energy transport in EuA<sub>2.07</sub>(B<sub>4</sub>O<sub>10</sub>)O<sub>0.6</sub> nanocrystals with two-dimensional Eu<sup>3+</sup> sublattice N.V.Kononets, V.V.Seminko, P.O.Maksimchuk, I.I.Bespalova, Yu.V.Malyukin, B.V.Grynyov 4 516
- Bespalova I.I.** – GdVO<sub>4</sub>:Eu<sup>3+</sup> nanoparticles — embedded CaCO<sub>3</sub> 55D microspheres: synthesis and characterization I.I.Bespalova, S.L.Yefimova, T.N.Tkacheva, K.A.Hubenko, A.V.Sorokin, P.V.Mateychenko 3 393
- Beynik T.G.** – Synthesis and characterization of branched gold nanoparticles T.G.Beynik, N.A.Matveevskaya, M.V.Dobrotvorskaya, A.S.Garbutz, D.Yu.Kosyanov, V.I.Vovna, A.A.Vornovskikh, S.I.Bogatyrenko 1 21
- Bialopiotrowicz T.** – Energy state and micro-mechanical properties of PbO–ZnO–B<sub>2</sub>O<sub>3</sub> glass-ceramic functional coatings on AISI420 stainless steel substrate Z.Duriagina, T.Kovbasyuk, T.Bialopiotrowicz, S.Bespalov 2 250
- Bidna T.V.** – Mixtures of 4-pentyl-4'-cyanobiphenyl and photosensitive azoxy nematics as hosts for liquid crystal dispersions of carbon nanotubes A.N.Samoilov, S.S.Minenko, A.P.Fedoryako, L.N.Lisetski, T.V.Bidna 2 197
- Bilyk Z.V.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682

- Bin Yang** – Experimental study of the salt solution eroding influence on strength of concrete with recycled coarse aggregate Liu Faming, Zhao Lisha, Yang Bin 2 328
- Bin-lei He** – Study of influencing factors on the peak dissipation energy at physical simulation similar material of coal-rock solid-gas coupling Zhao Peng-xiang, He Bin-lei, Xiao Peng, Yang Erhao, Gao Jin-biao 2 335
- Bobovnikov A.A.** – Large area detector of low-energy gamma radiation T.A.Nepokupnaya, A.A.Ananenko, A.Yu.Boyarintsev, A.A.Bobovnikov, A.V.Gektin, S.N.Kovalchuk, Yu.D.Onufriyev, V.Yu.Pedash 4 678
- Bogatyrenko S.I.** – Synthesis and characterization of branched gold nanoparticles T.G.Beynik, N.A.Matveevskaya, M.V.Dobrotvorskaya, A.S.Garbuz, D.Yu.Kosyanov, V.I.Vovna, A.A.Vornovskikh, S.I.Bogatyrenko 1 21
- Bogdanov V.V.** – Single-file diffusion in oxygen underdoped  $\text{ReBa}_2\text{Cu}_3\text{O}_{7-x}$  (Re=Y, Ho) single crystals Y.I.Boiko, V.V.Bogdanov, R.V.Vovk, A.G.Ort, Yu.V.Litvinov 4 527
- Bogdanov V.V.** – Relaxation of stress occurring in Cd-Ni diffusion zone with formation of intermetallic phase V.V.Bogdanov, V.G.Kononenko, M.A.Volosyuk, A.V.Volosyuk 4 530
- Boiko Y.I.** – Single-file diffusion in oxygen underdoped  $\text{ReBa}_2\text{Cu}_3\text{O}_{7-x}$  (Re=Y, Ho) single crystals Y.I.Boiko, V.V.Bogdanov, R.V.Vovk, A.G.Ort, Yu.V.Litvinov 4 527
- Bondarenko A.I.** – Interaction of Portland cement hydration products with complex chemical additives containing fiberglass in moisture-proof cement compositions O.I.Demina, A.A.Plugin, E.B.Dedenyova, D.O.Bondarenko, T.A.Kostuk, A.I.Bondarenko 3 415
- Bondarenko D.O.** – Interaction of Portland cement hydration products with complex chemical additives containing fiberglass in moisture-proof cement compositions O.I.Demina, A.A.Plugin, E.B.Dedenyova, D.O.Bondarenko, T.A.Kostuk, A.I.Bondarenko 3 415
- Bondarenko N.** – Peculiarities of obtaining diamond-(Fe-Cu-Ni-Sn) composite materials by hot pressing E.Gevorkyan, V.Mechnik, N.Bondarenko, R.Vovk, S.Lytovchenko, V.Chishkala, O.Melnik 1 31
- Borisova S.S.** – On application of X-ray approximation method for studying the substructure of sufficiently perfect samples S.V.Malykhin, I.E.Garkusha, V.A.Makhlai, S.V.Surovitsky, M.V.Reshetnyak, S.S.Borisova 1 179
- Borodina H.Y.** – Electron-conformational rearrangement in nanocomposites films of poly-N-epoxypropylcarbazole with fullerenes  $\text{C}_{60}$  O.P.Olasyuk, O.P.Dmytrenko, M.P.Kulish, M.A.Zabolotnyy, H.Y.Borodina, T.O.Busko 4 563
- Borovoy I.A.** – Using cyanine dye J-aggregates as luminescence probe for nanostructured media A.V. Sorokin, I.Yu. Ropakova, I.A. Borovoy, I.I. Bespalova, S.L. Yefimova 3 388
- Borshchov V.M.** – Innovative microelectronic technologies for high-energy physics experiments V.M.Borshchov, O.M.Listratenko, M.A.Protsenko, I.T.Tymchuk, O.O.Fomin 1 143
- Bovgyra O.V.** – Birefringence of  $\ln_x\text{Tl}_{1-x}$  solid state solution A.I.Kashuba, A.V.Franiv, O.V.Bovgyra, R.S.Brezvin 1 26
- Boyarintsev A.Yu.** – Large area detector of low-energy gamma radiation T.A.Nepokupnaya, A.A.Ananenko, A.Yu.Boyarintsev, A.A.Bobovnikov, A.V.Gektin, S.N.Kovalchuk, Yu.D.Onufriyev, V.Yu.Pedash 4 678
- Boyarintsev A.Yu.** – On some features of low-temperature mixed crystallization of CsI solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Bryleva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Brezvin R.S.** – Birefringence of  $\ln_x\text{Tl}_{1-x}$  solid state solution A.I.Kashuba, A.V.Franiv, O.V.Bovgyra, R.S.Brezvin 1 26
- Brodskii R.Ye.** – Properties of the volume phase in the layerwise growth. Case of forming of new layer under effect of previous R.Ye.Brodskii 1 91
- Brodskii R.Ye.** – Sapphire subdivision at different heat treating types R.Ye.Brodskii, P.V.Konevskiy, R.I.Safronov, A.V.Voloshin 3 376
- Brovko O.** – Influence of residual solvent on relaxation behavior of polymer films based on glycidyl derivatives of 3, 5, 7, 3',4'-pentahydroxyflavone D.Mishurov, O.Roshal, O.Brovko 1 68
- Bryleva E.Yu.** – On some features of low-temperature mixed crystallization of CsI solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Bryleva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Bryleva E.Yu.** – Effect of  $\text{CuS}$ ,  $\text{Mn}_3\text{O}_4$  and  $\text{CeO}_2$  additives on Co(II) sorption by ZnS particles D.S.Sofronov, A.O.Oreshina, E.Yu.Bryleva, E.M.Sofronova, P.V.Ma-teichenko, A.N.Puzan 4 667
- Budnyk P.I.** – Nonlinear optical response of the KDP single crystals with incorporated  $\text{TiO}_2$  nanoparticles in visible range: effect of the nanoparticles concentration A.S.Popov, A.V.Uklein, V.V.Multian, I.M.Pritula, P.I.Budnyk, O.Kh.Khasanov, V.Ya.Gayvoronsky 1 5
- Budylna O.M.** – Adsorption of ceftriaxon by biogenic hydroxyapatite with magnetic additions O.M.Otychenko, T.Ye.Babutina, O.A.Kuda, O.M.Budylna, L.S.Protsenko, O.Yu.Koval, I.V.Uvarova 4 577
- Busko T.O.** – Electron-conformational rearrangement in nanocomposites films of poly-N-epoxypropylcarbazole with fullerenes  $\text{C}_{60}$  O.P.Olasyuk, O.P.Dmytrenko, M.P.Kulish, M.A.Zabolotnyy, H.Y.Borodina, T.O.Busko 4 563

- Chaika M.A.** – Influence of Ca and Mg doping on the microstructure and optical properties of YAG ceramics M.A.Chaika, O.M.Vovk, A.G.Doroshenko, V.K.Klochkov, P.V.Mateychenko, S.V.Parkhomenko, O.G.Fedorov 2 237
- Chefranov E.V.** – Development of new compositions of ceramic masses in SrO–Al<sub>2</sub>O<sub>3</sub>–SiO<sub>2</sub> system G.V.Lisachuk, R.V.Kryvobok, A.V.Zakharov, E.V.Chefranov, L.N.Lisachuk 1 162
- Chen Liang** – Structural and optical study of ZnS thin films prepared by radio frequency magnetron sputtering at different substrate temperatures Le Kong, Jinxiang Deng, Liang Chen, Zhen Shen, Wang 4 541
- Chen Ming-Yang** – Experimental study on mechanical behavior of RPC circular columns confined by high-strength stirrups under axial compression Ming-Yang Chen, Wen-Zhong Zheng, Xiao-Meng Hou 1 82
- Cheng Junwei** – Study of precision forging technology for complicated high strength aluminum alloy part Junwei Cheng, Xianzhang Feng, Li Sizhong, Guo Xiaojin, Xia Juchen 1 56
- Cheng Junwei** – Data processing system of continuous temperature measurement for liquid steel Xianzhang Feng, Junwei Cheng, Zheng Wang, Yanmei Cui, Yongqiang Wei, Junxing Hou, Zhiqiang Jiang 2 285
- Cherginets V.L.** – On some features of low-temperature mixed crystallization of CsI solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Bryleva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Cherginets V.L.** – Scintillation properties of europium doped RbCaCl<sub>3</sub> crystals V.L.Cherginets, V.A.Tarasov 2 221
- Cherniavskiy I.Yu.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682
- Chesnokov E.D.** – Investigations on temperature dependences of parameters of <sup>127</sup>I NQR spectrum of (BiI<sub>3</sub>)<sub>(1-x)</sub>(PbI<sub>2</sub>)<sub>x</sub> mixed layered semiconductor and alkaline halogens crystals I.G.Vertegel, E.D.Chesnokov, O.I.Ovcharenko, I.I.Vertegel, O.S.Ivanov, Yu.P.Gnatenko, O.A.Ponkratenko 3 360
- Chishkala V.** – Peculiarities of obtaining diamond-(Fe–Cu–Ni–Sn) composite materials by hot pressing E.Gevorkyan, V.Mechnik, N.Bondarenko, R.Vovk, S.Lytovchenko, V.Chishkala, O.Melnik 1 31
- Chumak V.V.** – Electret properties of Ca<sub>5</sub>Nb<sub>4</sub>TiO<sub>17</sub> with five-layered perovskite-like structure Y.O.Titov, M.S.Slobodyanik, N.M.Belyavina, O.I.Nakonechna, V.V.Chumak, R.M.Kuzmin 4 559
- Cui Wenbin** – The experimental research on axial compression performance of concrete-filled steel square tube strengthened by internal transverse stiffened bars Nan Li, Lai Wang, Yajun Xi, Hui Wang, Tong Guan, Dong, Changfeng Sui, Wenbin Cui 3 427
- Cui Xin** – Structure design of knowledge base of software enterprise based on project development Xin Cui 2 278
- Cui Yanmei** – Data processing system of continuous temperature measurement for liquid steel Xianzhang Feng, Junwei Cheng, Zheng Wang, Yanmei Cui, Yongqiang Wei, Junxing Hou, Zhiqiang Jiang 2 285
- Cui Yunliang** – Formulation of structured bounding surface model with a destructure law for natural soft clay Yunliang Cui, Xinquan Wang, Shiming Zhang 4 628
- Da-song Deng** – Study on cutting performance and tool wear of micro-textured tool for milling Ti6Al4V Shen Xiang-yu, Guo Xu-hong, Deng Da-song, Lu Li-li, Chen Ya-dong 3 501
- Dan Wang** – Experimental research on mechanical properties of desert sand steel-PVA fiber engineered cementitious composites Che Jialing, Li Quanwei, Lee Minggin, Wang Dan 4 584
- Danilov F.I.** – Properties of Ni–TiO<sub>2</sub> composites electrodeposited from methanesulfonate electrolyte Yu.E.Sknar, O.O.Savchuk, I.V.Sknar, F.I.Danilov 3 469
- Darmenko Y.A.** – Potential producers of biogenic magnetic nanoparticles among disease-producing microorganisms of the brain S.V.Gorobets, O.Yu.Gorobets, Y.A.Darmenko 3 400
- Dedenyova E.B.** – Interaction of Portland cement hydration products with complex chemical additives containing fiberglass in moisture-proof cement compositions O.I.Demina, A.A.Plugin, E.B.Dedenyova, D.O.Bondarenko, T.A.Kostuk, A.I.Bondarenko 3 415
- Degoda V.Ya.** – Luminescence of Dipole-centers in ZnSe crystals M.Alizadeh, V.Ya.Degoda, B.V.Kozhushko, N.Yu.Pavlova 2 206
- Demina O.I.** – Interaction of Portland cement hydration products with complex chemical additives containing fiberglass in moisture-proof cement compositions O.I.Demina, A.A.Plugin, E.B.Dedenyova, D.O.Bondarenko, T.A.Kostuk, A.I.Bondarenko 3 415
- Deng Jinxiang** – Structural and optical study of ZnS thin films prepared by radio frequency magnetron sputtering at different substrate temperatures Le Kong, Jinxiang Deng, Liang Chen, Zhen Shen, Wang 4 541
- Derevyanko V.V.** – Research on processes of texture formation in "NiW substrate and TiN coating" system and creation of the new type textured paramagnetic substrates for HTS based on YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> M.S.Sunhurov, S.A.Leonov, T.V.Sukhareva, V.V.Derevyanko, V.A.Finkel, Yu.N.Shakhov 1 63

- Derevyanko V.V.** – Structural aspects of the phase and texture formation processes in thin-layer Ni-W/TiN systems which are perspective for creating high-temperature superconductors of the second generation M.S.Sunhurov, V.V.Derevyanko, S.A.Leonov, T.V.Sukhareva, V.A.Finkel, Yu.N.Shakhov 3 353
- Desenko S.M.** – Study of  $Mn^{2+}$  and  $MnO_4^-$  products interaction in alkaline solution D.S.Sofronov, A.M.Odnovolova, L.V.Gudzenko, S.M.Desenko, P.V.Mateychenko, L.V.Rudenko, A.M.Lebedynskiy 2 322
- Ding Fangyi** – Preparation and characterization of mortar mixes containing organic acid/expanded vermiculite composite PCM Xinzhong Zhang, Weizhun Jin, Yajun Lv, Haibin Zhang, Weibing Zhou, Fangyi Ding 3 481
- Dmytrakh V.E.** – A liquid crystal-based sensitive element for optical sensors of cholesterol M.V.Vistak, V.E.Dmytrakh, Z.M.Mykytyuk, V.S.Petryshak, Y.Y.Horbenko 4 687
- Dmytrenko O.P.** – Electron-conformational rearrangement in nanocomposites films of poly-N-epoxypropylcarbazole with fullerenes  $C_{60}$  O.P.Olasyuk, O.P.Dmytrenko, M.P.Kulish, M.A.Zabolotnyy, H.Y.Borodina, T.O.Busko 4 563
- Dobrotvorskaya M.V.** – Synthesis and characterization of branched gold nanoparticles T.G.Beynik, N.A.Matveevskaya, M.V.Dobrotvorskaya, A.S.Garbuz, D.Yu.Kosyanov, V.I.Vovna, A.A.Vornovskikh, S.I.Bogatyrenko 1 21
- Dong Shaohua** – Research on game scheduling of galvanizing pipe production Yingying Li, Shaohua Dong 3 490
- Dong** – The experimental research on axial compression performance of concrete-filled steel square tube strengthened by internal transverse stiffened bars Nan Li, Lai Wang, Yajun Xi, Hui Wang, Tong Guan, Dong, Changfeng Sui, Wenbin Cui 3 427
- Dong Furui** – Nonlinear analysis of concrete-filled steel square tube strengthened by internal transverse stiffened bars under axial compression Nan Lil, Lai Wang, Yajun Xi, Tong Guan, Hui Wang, Furui Dong 3 451
- Doroshenko A.G.** – Influence of Ca and Mg doping on the microstructure and optical properties of YAG ceramics M.A.Chaika, O.M.Vovk, A.G.Doroshenko, V.K.Klochkov, P.V.Mateychenko, S.V.Parkhomenko, O.G.Fedorov 2 237
- Drapailo A.B.** – Phosphorylated thiacalixarenes as molecular receptors for QCM sensors of volatile compounds Z.I.Kazantseva, I.A.Koshets, A.E.Belyaev, A.B.Ryabitskii, S.G.Kharchenko, A.B.Drapailo, V.I.Kalchenko, S.V.Shishkina, O.V.Shishkin 4 599
- Dremlyuzhenko S.** – Technological conditions effect on structural perfection of  $Cd_{1-x}Mn_xTe$  crystals V.Shafranyuk, S.Dremlyuzhenko, S.Solodin, P.Fochuk 4 649
- Dubovik A.M.** – Abnormal enhancement of light output by cation mixing in  $Zn_{1-x}Mg_xWO_4$  nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zvereva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Duriagina Z.** – Energy state and micromechanical properties of PbO-ZnO- $B_2O_3$  glass-ceramic functional coatings on AISI420 stainless steel substrate Z.Duriagina, T.Kovbasyuk, T.Bialopiotrowicz, S.Bespalov 2 250
- Eliseev D.A.** – The plastic scintillator activated with fluorinated 3-hydroxyflavone Yu.A.Gurkalenko, D.A.Eliseev, P.N.Zhmurin, V.N.Pereymak, O.V.Svidlo 2 244
- Eliseev D.A.** – The plastic scintillator for n/ $\gamma$ -discrimination with alkyl-substituted PPO derivative. P.N.Zhmurin, D.A.Eliseev, V.N.Pereymak, O.V.Svidlo, Yu.A.Gurkalenko 3 476
- Erhao Yang** – Study of influencing factors on the peak dissipation energy at physical simulation similar material of coal-rock solid-gas coupling Zhao Pengxiang, He Bin-lei, Xiao Peng, Yang Erhao, Gao Jin-biao 2 335
- Faming Liu** – Experimental study of the salt solution eroding influence on strength of concrete with recycled coarse aggregate Liu Faming, Zhao Lisha, Yang Bin 2 328
- Fedorov A.G.** – Dependence of electrical conductivity on  $B_2Se_3$  thin film thickness S.I.Menshikova, E.I.Rogacheva, A.Yu.Sipatov, A.G.Fedorov 4 555
- Fedorov O.G.** – Influence of Ca and Mg doping on the microstructure and optical properties of YAG ceramics M.A.Chaika, O.M.Vovk, A.G.Doroshenko, V.K.Klochkov, P.V.Mateychenko, S.V.Parkhomenko, O.G.Fedorov 2 237
- Fedoryako A.P.** – Mixtures of 4-pentyl-4'-cyanobiphenyl and photosensitive azoxy nematics as hosts for liquid crystal dispersions of carbon nanotubes A.N.Samoilov, S.S.Minenko, A.P.Fedoryako, L.N.Lisetski, T.V.Bidna 2 197
- Feng Xianzhang** – Study of precision forging technology for complicated high strength aluminum alloy part Junwei Cheng, Xianzhang Feng, Li Sizhong, Guo Xiaojin, Xia Juchen 1 56
- Feng Xianzhang** – Data processing system of continuous temperature measurement for liquid steel Xianzhang Feng, Junwei Cheng, Zhengui Wang, Yanmei Cui, Yongqiang Wei, Junxing Hou, Zhiqiang Jiang 2 285
- Finkel V.A.** – Research on processes of texture formation in "NiW substrate and TiN coating" system and creation of the new type textured paramagnetic substrates for HTS based on  $YBa_2Cu_3O_7$  M.S.Sunhurov, S.A.Leonov, T.V.Sukhareva, V.V.Derevyanko, V.A.Finkel, Yu.N.Shakhov 1 63
- Finkel V.A.** – Structural aspects of the phase and texture formation processes in thin-layer Ni-W/TiN systems which are perspective for creating high-temperature superconductors of the second generation M.S.Sunhurov, V.V.Derevyanko, S.A.Leonov, T.V.Sukhareva, V.A.Finkel, Yu.N.Shakhov 3 353
- Fochuk P.** – Technological conditions effect on structural perfection of  $Cd_{1-x}Mn_xTe$  crystals V.Shafranyuk, S.Dremlyuzhenko, S.Solodin, P.Fochuk 4 649

- Fomin O.O.** – Innovative microelectronic technologies for high-energy physics experiments V.M.Borshchov, O.M.Listratenko, M.A.Protsenko, I.T.Tymchuk, O.O.Fomin 1 143
- Franiv A.V.** – Birefringence of  $\ln_x\text{Tl}_{1-x}$  solid state solution A.I.Kashuba, A.V.Franiv, O.V.Bovgyra, R.S.Brezvin 1 26
- Frolov V.A.** – Effect of low-temperature annealings on mechanical properties and evolution of nanostructured alloy Zr1Nb V.I.Sokolenko, E.V.Karaseva, A.V.Mats, E.S.Savchuk, V.A.Frolov 2 256
- Galak A.V.** – Synthesis and functional properties of mixed titanium and cobalt oxides M.V.Ved', N.D.Sakhnenko, A.V.Karakurkchi, M.V.Mayba, A.V.Galak 4 534
- Garbuz A.S.** – Synthesis and characterization of branched gold nanoparticles T.G.Beynik, N.A.Matveevskaya, M.V.Dobrotvorskaya, A.S.Garbuz, D.Yu.Kosyanov, V.I.Vovna, A.A.Vornovskikh, S.I.Bogatyrenko 1 21
- Garkusha I.E.** – On application of X-ray approximation method for studying the substructure of sufficiently perfect samples S.V.Malykhin, I.E.Garkusha, V.A.Makhlay, S.V.Surovitsky, M.V.Reshetnyak, S.S.Borisova 1 179
- Gavrilchenko I.V.** – Influence of gas adsorption on the impedance of porous GaAs Y.S.Milovanov, I.V.Gavrilchenko, S.V.Kondratenko, A.P.Oksanich, S.E.Pritchinn, M.G.Kogdas 1 52
- Gayduk O.V.** – Control of chromium dopant content in optical ceramics Cr:YAG O.V.Gayduk 2 318
- Gayvoronsky V.Ya.** – Nonlinear optical response of the KDP single crystals with incorporated  $\text{TiO}_2$  nanoparticles in visible range: effect of the nanoparticles concentration A.S.Popov, A.V.Uklein, V.V.Multian, I.M.Pritula, P.I.Budnyk, O.Kh.Khasanov, V.Ya.Gayvoronsky 1 5
- Gektin A.V.** – Fluctuations of ionizing particle track structure and energy resolution of scintillators A.V.Gektin, A.N.Vasil'ev 4 621
- Gektin A.V.** – Large area detector of low-energy gamma radiation T.A.Nepokupnaya, A.A.Ananenko, A.Yu.Boyarintsev, A.A.Bobovnikov, A.V.Gektin, S.N.Kovalchuk, Yu.D.Onufriyev, V.Yu.Pedash 4 678
- Gevorkyan E.** – Peculiarities of obtaining diamond-(Fe-Cu-Ni-Sn) composite materials by hot pressing E.Gevorkyan, V.Mechnik, N.Bondarenko, R.Vovk, S.Lytovchenko, V.Chishkala, O.Melnik 1 31
- Gnatenko Yu.P.** – Investigations on temperature dependences of parameters of  $^{127}\text{I}$  NQR spectrum of  $(\text{BiI}_3)_{1-x}(\text{PbI}_2)_x$  mixed layered semiconductor and alkaline halogens crystals I.G.Vertegel, E.D.Chesnokov, O.I.Ovcharenko, I.I.Vertegel, O.S.Ivanov, Yu.P.Gnatenko, O.A.Ponkratenko 3 360
- Goleus V.I.** – Impact of kaolin addition on properties of quartz ceramics E.S.Khomenko, E.V.Karasik, V.I.Goleus 4 593
- Golub V.O.** – Biogenic magnetic nanoparticles in lung, heart and liver S.V.Gorobets, O.Yu.Gorobets, O.V.Medvediev, V.O.Golub, L.V.Kuzminykh 3 405
- Gorbacheva T.E.** – Scintillation properties of europium doped  $\text{RbCaCl}_3$  crystals N.V.Rebrova, A.Yu.Grippa, A.S.Pushak, T.E.Gorbacheva, V.Yu.Pedash 2
- Gorobets O.Yu.** – Potential producers of biogenic magnetic nanoparticles among disease-producing microorganisms of the brain S.V.Gorobets, O.Yu.Gorobets, Y.A.Darmenko 3 400
- Gorobets O.Yu.** – Biogenic magnetic nanoparticles in lung, heart and liver S.V.Gorobets, O.Yu.Gorobets, O.V.Medvediev, V.O.Golub, L.V.Kuzminykh 3 405
- Gorobets S.V.** – Potential producers of biogenic magnetic nanoparticles among disease-producing microorganisms of the brain S.V.Gorobets, O.Yu.Gorobets, Y.A.Darmenko 3 400
- Gorobets S.V.** – Biogenic magnetic nanoparticles in lung, heart and liver S.V.Gorobets, O.Yu.Gorobets, O.V.Medvediev, V.O.Golub, L.V.Kuzminykh 3 405
- Grigoryev A.N.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682
- Grippa A.Yu.** – Scintillation properties of europium doped  $\text{RbCaCl}_3$  crystals N.V.Rebrova, A.Yu.Grippa, A.S.Pushak, T.E.Gorbacheva, V.Yu.Pedash 2
- Grivtsova A.** – Investigation of structure formation in lithium silicate glasses on initial stages of nucleation O.Savvova, O.Babich, M.Kuriakin, A.Grivtsova, V.Topchiy 2 311
- Gryb O.G.** – Cold pressing of ferroelectric-ferromagnetic layered composites for nonlinear forming lines of high-voltage impulse generators O.L.Rezinkin, M.M.Rezinkina, O.G.Gryb, V.I.Revutsky 1 168
- Grynyov B.V.** – Energy transport in  $\text{EuA}_{2.07}(\text{B}_4\text{O}_{10})\text{O}_{0.6}$  nanocrystals with two-dimensional  $\text{Eu}^{3+}$  sublattice N.V.Kononets, V.V.Seminko, P.O.Maksimchuk, I.I.Bespalova, Yu.V.Malyukin, B.V.Grynyov 4 516
- Guan Tong** – The experimental research on axial compression performance of concrete-filled steel square tube strengthened by internal transverse stiffened bars Nan Li, Lai Wang, Yajun Xi, Hui Wang, Tong Guan, Dong, Changfeng Sui, Wenbin Cui 3 427
- Guan Tong** – Nonlinear analysis of concrete-filled steel square tube strengthened by internal transverse stiffened bars under axial compression Nan Li, Lai Wang, Yajun Xi, Tong Guan, Hui Wang, Furu Dong 3 451
- Gudzenko L.V.** – Study of  $\text{Mn}^{2+}$  and  $\text{MnO}_4^-$  products interaction in alkaline solution D.S.Sofronov, A.M.Odnovolova, L.V.Gudzenko, S.M.Desenko, P.V.Mateychenko, L.V.Rudenko, A.M.Lebedynskiy 2 322

- Gurkalenko Yu.A.** – The plastic scintillator for  $n/\gamma$ -discrimination with alkyl-substituted PPO derivative. P.N.Zhmurin, D.A.Eliseev, V.N.Pereymak, O.V.Svidlo, Yu.A.Gurkalenko 3 476
- Gurkalenko Yu.A.** – The plastic scintillator activated with fluorinated 3-hydroxyflavone Yu.A.Gurkalenko, D.A.Eliseev, P.N.Zhmurin, V.N.Pereymak, O.V.Svidlo 2 244
- Han W.** – Formation of complex phosphates  $K_2M^{III}Sn(PO_4)_3$  from solutions in melts under crystallization conditions I.V.Zatovsky, N.S.Slobodyanik, T.I.Ushchapivska, W.Han 2 298
- Hanbing Liu** – Investigation of the effect of water content and degree of compaction on the shear strength of clay soil material Zhang Huzhu, Liu Hanbing, Wang Jing, Dong Weizhi 2 290
- Hanhu Liu** – Study of biofilms based on filamentous bamboo for surface water bioremediation Zhang Huifang, Cao Wenping, Sun Ling, Liu Hanhu 4 699
- Heydarov N.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Holomb R.** – Structural investigation of As–Se chalcogenide thin films with different compositions: formation, characterization and peculiarities of volume and near-surface nanolayers O.Kondrat, R.Holomb, V.Mitsa, M.Veres, N.Tsud 4 547
- Horbenko Y.Y.** – A liquid crystal-based sensitive element for optical sensors of cholesterol M.V.Vistak, V.E.Dmytrakh, Z.M.Mykytyuk, V.S.Petryshak, Y.Y.Horbenko 4 687
- Hou Junxing** – Data processing system of continuous temperature measurement for liquid steel Xianzhang Feng, Junwei Cheng, Zheng Wang, Yanmei Cui, Yongqiang Wei, Junxing Hou, Zhiqiang Jiang 2 285
- Hou Xiao-Meng** – Experimental study on mechanical behavior of RPC circular columns confined by high-strength stirrups under axial compression Ming-Yang Chen, Wen-Zhong Zheng, Xiao-Meng Hou 1 82
- Hu Guangwei** – The novel method for LAI inversion using Lidar and hyperspectral data Zuowei Huang, Feng Liu, Guangwei Hu 3 442
- Huang Zuowei** – The novel method for LAI inversion using Lidar and hyperspectral data Zuowei Huang, Feng Liu, Guangwei Hu 3 442
- huanhuan Li** – Research of the properties of renewable energy sources with battery electrode from new materials Song xueying, Tan zhongfu, Li huanhuan 4 692
- Hubenko K.A.** –  $GdVO_4:Eu^{3+}$  nanoparticles – embedded  $CaCO_3$  55D microspheres: synthesis and characterization I.I.Bespalova, S.L.Yefimova, T.N.Tkacheva, K.A.Hubenko, A.V.Sorokin, P.V.Mateychenko 3 393
- Hubenko K.O.** – Abnormal enhancement of light output by cation mixing in  $Zn_xMg_{1-x}WO_4$  nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zvereva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Huifang Zhang** – Study of biofilms based on filamentous bamboo for surface water bioremediation Zhang Huifang, Cao Wenping, Sun Ling, Liu Hanhu 4 699
- Huzhu Zhang** – Investigation of the effect of water content and degree of compaction on the shear strength of clay soil material Zhang Huzhu, Liu Hanbing, Wang Jing, Dong Weizhi 2 290
- Iatsenko A.** – Effect of fluorine addition on the structure and properties of high-porous glass ceramics applicable for reconstructive surgery O.Sych, A.Iatsenko, H.Tovstonoh, T.Tomila, Y.Yevych 1 46
- Iurchenko A.N.** – Growth peculiarities of doped lithium dihydrogen phosphate single crystals from nonstoichiometric solution A.N.Iurchenko, A.P.Voronov, A.D.Roshal, S.I.Kryvonogov 2
- Ivanov O.S.** – Investigations on temperature dependences of parameters of  $^{127}I$  NQR spectrum of  $(Bi_3)_{(1-x)}(Pb_2)_x$  mixed layered semiconductor and alkaline halogens crystals I.G.Vertegel, E.D.Chesnokov, O.I.Ovcharenko, I.I.Vertegel, O.S.Ivanov, Yu.P.Gnatenko, O.A.Ponkratenko 3 360
- Jia-yu Zou** – Mechanical properties and energy dissipation of rock under acid corrosion and coupled static-dynamic loads Liu Yong-sheng, Li Jin, Zou Jia-yu, Wu Qin-lan, Wang 4 607
- Jialing Che** – Experimental research on mechanical properties of desert sand steel-PVA fiber engineered cementitious composites Che Jialing, Li Quanwei, Lee Minggin, Wang Dan 4 584
- Jiang Zhiqiang** – Data processing system of continuous temperature measurement for liquid steel Xianzhang Feng, Junwei Cheng, Zheng Wang, Yanmei Cui, Yongqiang Wei, Junxing Hou, Zhiqiang Jiang 2 285
- Jin Li** – Mechanical properties and energy dissipation of rock under acid corrosion and coupled static-dynamic loads Liu Yong-sheng, Li Jin, Zou Jia-yu, Wu Qin-lan, Wang 4 607
- Jin Weizhun** – Preparation and characterization of mortar mixes containing organic acid/expanded vermiculite composite PCM Xinzhong Zhang, Weizhun Jin, Yajun Lv, Haibin Zhang, Weibing Zhou, Fangyi Ding 3 481
- Jin-biao Gao** – Study of influencing factors on the peak dissipation energy at physical simulation similar material of coal-rock solid-gas coupling Zhao Pengxiang, He Bin-lei, Xiao Peng, Yang Erhao, Gao Jin-biao 2 335
- Jing Wang** – Investigation of the effect of water content and degree of compaction on the shear strength of clay soil material Zhang Huzhu, Liu Hanbing, Wang Jing, Dong Weizhi 2 290

- Juchen Xia** – Study of precision forging technology for complicated high strength aluminum alloy part Junwei Cheng, Xianzhang Feng, Li Sizhong, Guo Xiaoqin, Xia Juchen 1 56
- Jun Chen** – Effect of Y addition on the microstructures and mechanical properties of Mg-Gd-Y-Sm-Zr alloys Fu sanling, Li quanan, Chen Jun, Zhang Qing 2 264
- Kalchenko V.I.** – Phosphorylated thiacalixarenes as molecular receptors for QCM sensors of volatile compounds Z.I.Kazantseva, I.A.Koshets, A.E.Belyaev, A.B.Ryabitskii, S.G.Kharchenko, A.B.Drapailo, V.I.Kalchenko, S.V.Shishkina, O.V.Shishkin 4 599
- Kamarchuk G.V.** – Macroscopic simulation of atom-sized structures of functional materials: phenomenology of the elongated electrode system A.P.Pospelov, G.V.Kamarchuk, A.V.Savytskyi, M.D.Sakhnenko, M.V.Ved', V.L.Vakula 3 463
- Karakurkchi A.V.** – Functional mixed cobalt and aluminum oxide coatings for environmental safety M.V.Ved, N.D.Sakhnenko, A.V.Karakurkchi, T.Yu.Myrna 2 303
- Karakurkchi A.V.** – Synthesis and functional properties of mixed titanium and cobalt oxides M.V.Ved', N.D.Sakhnenko, A.V.Karakurkchi, M.V.Mayba, A.V.Galak 4 534
- Karaseva E.V.** – Effect of low-temperature annealings on mechanical properties and evolution of nanostructured alloy Zr1Nb V.I.Sokolenko, E.V.Karaseva, A.V.Mats, E.S.Savchuk, V.A.Frolov 2 256
- Karasik E.V.** – Impact of kaolin addition on properties of quartz ceramics E.S.Khomenko, E.V.Karasik, V.I.Goleus 4 593
- Kashuba A.I.** – Birefringence of  $\text{In}_x\text{Tl}_{1-x}$  solid state solution A.I.Kashuba, A.V.Franiv, O.V.Bovgyra, R.S.Brezvin 1 26
- Kasian S.V.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682
- Katerynychuk V.M.** – Layered crystals  $\text{FeIn}_2\text{Se}_4$ ,  $\text{In}_4\text{Se}_3$  and heterojunctions on their basis B.V.Kushnir, Z.D.Kovalyuk, V.M.Katerynychuk, V.V.Netyaga, I.G.Tkachuk 3 372
- Katerynychuk V.M.** – Excitonic photoconductivity of heterostructures based on gallium and indium selenides V.M.Katerynychuk, Z.D.Kovalyuk, I.G.Tkachuk 2 203
- Kazantseva Z.I.** – Phosphorylated thiacalixarenes as molecular receptors for QCM sensors of volatile compounds Z.I.Kazantseva, I.A.Koshets, A.E.Belyaev, A.B.Ryabitskii, S.G.Kharchenko, A.B.Drapailo, V.I.Kalchenko, S.V.Shishkina, O.V.Shishkin 4 599
- Kharchenko S.G.** – Phosphorylated thiacalixarenes as molecular receptors for QCM sensors of volatile compounds Z.I.Kazantseva, I.A.Koshets, A.E.Belyaev, A.B.Ryabitskii, S.G.Kharchenko, A.B.Drapailo, V.I.Kalchenko, S.V.Shishkina, O.V.Shishkin 4 599
- Khasanov O.Kh.** – Nonlinear optical response of the KDP single crystals with incorporated  $\text{TiO}_2$  nanoparticles in visible range: effect of the nanoparticles concentration A.S.Popov, A.V.Uklein, V.V.Multian, I.M.Pritula, P.I.Budnyk, O.Kh.Khasanov, V.Ya.Gayvoronsky 1 5
- Khirnyi V.F.** – Work of exit and the internal pressure in superconductors created by electrons V.F.Khirnyi 2 219
- Khodasevich I.A.** – Growth of  $\text{SrWO}_4$  and  $\text{CaMoO}_4$  single crystals and their characterization by means of Raman spectroscopy M.B.Kosmyna, A.N.Shekhovtsov, I.A.Khodasevich, S.V.Voitikov, V.A.Orlovich 4 635
- Khomenko E.S.** – Impact of kaolin addition on properties of quartz ceramics E.S.Khomenko, E.V.Karasik, V.I.Goleus 4 593
- Kityk I.V.** – Influence of the cationic substitution in  $\text{AgGaGe}_3\text{Se}_8$  on the electro-optical, IR optical and nonlinear properties A.S.Krymus, G.L.Myronchuk, O.V.Parasyuk, I.V.Kityk, M.Piasecki 4 521
- Klochkov V.K.** – Influence of Ca and Mg doping on the microstructure and optical properties of YAG ceramics M.A.Chaika, O.M.Vovk, A.G.Doroshenko, V.K.Klochkov, P.V.Mateychenko, S.V.Parkhomenko, O.G.Fedorov 2 237
- Klymenko I.A.** – Individuality of photoresponse dynamics of semiconductor sensors V.P.Mygal, I.A.Klymenko, G.V.Mygal 2 212
- Kogdas M.G.** – Influence of gas adsorption on the impedance of porous GaAs Y.S.Milovanov, I.V.Gavrilchenko, S.V.Kondratenko, A.P.Oksanich, S.E.Pritchkin, M.G.Kogdas 1 52
- Kondrat O.** – Structural investigation of As-Se chalcogenide thin films with different compositions: formation, characterization and peculiarities of volume and near-surface nanolayers O.Kondrat, R.Holomb, V.Mitsa, M.Veress, N.Tsud 4 547
- Kondratenko S.V.** – Influence of gas adsorption on the impedance of porous GaAs Y.S.Milovanov, I.V.Gavrilchenko, S.V.Kondratenko, A.P.Oksanich, S.E.Pritchkin, M.G.Kogdas 1 52
- Konevskiy P.V.** – Sapphire subdivision at different heat treating types R.Ye.Brodskii, P.V.Konevskiy, R.I.Safronov, A.V.Voloshin 3 376
- Kong Le** – Structural and optical study of ZnS thin films prepared by radio frequency magnetron sputtering at different substrate temperatures Le Kong, Jinxiang Deng, Liang Chen, Zhen Shen, Wang 4 541
- Kononenko V.G.** – Relaxation of stress occurring in Cd-Ni diffusion zone with formation of intermetallic phase V.V.Bogdanov, V.G.Kononenko, M.A.Volosyuk, A.V.Volosyuk 4 530

- Kononets N.V.** – Energy transport in  $\text{EuAl}_{2.07}(\text{BaO}_{10})\text{O}_{0.6}$  nanocrystals with two-dimensional  $\text{Eu}^{3+}$  sublattice N.V.Kononets, V.V.Seminko, P.O.Maksimchuk, I.I.Bespalova, Yu.V.Malyukin, B.V.Grynyov 4 516
- Korchovyi A.A.** – Chemical polishing of  $\text{InAs}$ ,  $\text{InSb}$ ,  $\text{GaAs}$  and  $\text{GaSb}$  I.V.Levchenko, V.M.Tomashyk, I.B.Stratiychuk, G.P.Malanych, A.S.Stanetska, A.A.Korchovyi 4 654
- Kornyushchenko A.S.** – Formation of porous zinc nanosystems using direct and reverse flows of DC magnetron sputtering V.M.Latyshchuk, V.I.Perekrestov, A.S.Kornyushchenko, I.V.Zahaiko 1 154
- Koryakina E.M.** – On some features of low-temperature mixed crystallization of  $\text{CsI}$  solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Bryleva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Koshets I.A.** – Phosphorylated thiacalixarenes as molecular receptors for QCM sensors of volatile compounds Z.I.Kazantseva, I.A.Koshets, A.E.Belyaev, A.B.Ryabitskii, S.G.Kharchenko, A.B.Drapailo, V.I.Kalchenko, S.V.Shishkina, O.V.Shishkin 4 599
- Kosmyna M.B.** – Growth of  $\text{SrWO}_4$  and  $\text{CaMoO}_4$  single crystals and their characterization by means of Raman spectroscopy M.B.Kosmyna, A.N.Shekhovtsov, I.A.Khodasevich, S.V.Voitikov, V.A.Orlovich 4 635
- Kostuk T.A.** – Interaction of Portland cement hydration products with complex chemical additives containing fiberglass in moisture-proof cement compositions O.I.Demina, A.A.Plugin, E.B.Dedenyova, D.O.Bondarenko, T.A.Kostuk, A.I.Bondarenko 3 415
- Kosyanov D.Yu.** – Synthesis and characterization of branched gold nanoparticles T.G.Beynik, N.A.Matveevskaya, M.V.Dobrotvorskaya, A.S.Garbus, D.Yu.Kosyanov, V.I.Vovna, A.A.Vornovskikh, S.I.Bogatyrenko 1 21
- Koval O.Yu.** – Adsorption of ceftriaxon by biogenic hydroxyapatite with magnetic additions O.M.Otychenko, T.Ye.Babutina, O.A.Kuda, O.M.Budylnina, L.S.Protsenko, O.Yu.Koval, I.V.Uvarova 4 577
- Kovalchuk S.N.** – Large area detector of low-energy gamma radiation T.A.Nepokupnaya, A.A.Ananenko, A.Yu.Boyarintsev, A.A.Bobovnikov, A.V.Gektin, S.N.Kovalchuk, Yu.D.Onufriyev, V.Yu.Pedash 4 678
- Kovalyuk Z.D.** – Excitonic photoconductivity of heterostructures based on gallium and indium selenides V.M.Katerynychuk, Z.D.Kovalyuk, I.G.Tkachuk 2 203
- Kovalyuk Z.D.** – Layered crystals  $\text{FeIn}_2\text{Se}_4$ ,  $\text{In}_4\text{Se}_3$  and heterojunctions on their basis B.V.Kushnir, Z.D.Kovalyuk, V.M.Katerynychuk, V.V.Netyaga, I.G.Tkachuk 3 372
- Kovbasyuk T.** – Energy state and micromechanical properties of  $\text{PbO-ZnO-B}_2\text{O}_3$  glass-ceramic functional coatings on AISI420 stainless steel substrate Z.Duriagina, T.Kovbasyuk, T.Bialopiotrowicz, S.Bespalov 2 250
- Kozhushko B.V.** – Luminescence of Dipole-centers in  $\text{ZnSe}$  crystals M.Alizadeh, V.Ya.Degoda, B.V.Kozhushko, N.Yu.Pavlova 2 206
- Krymus A.S.** – Influence the cationic substitution in  $\text{AgGaGe}_3\text{Se}_8$  on the electro-optical, IR optical and nonlinear properties A.S.Krymus, G.L.Myronchuk, O.V.Parasyuk, I.V.Kityk, M.Piasecki 4 521
- Kryvobok R.V.** – Development of new compositions of ceramic masses in  $\text{SrO-Al}_2\text{O}_3\text{-SiO}_2$  system G.V.Lisachuk, R.V.Kryvobok, A.V.Zakharov, E.V.Chefranov, L.N.Lisachuk 1 162
- Kryvonogov S.I.** – Growth peculiarities of doped lithium dihydrogen phosphate single crystals from nonstoichiometric solution A.N.Iurchenko, A.P.Voronov, A.D.Roshal, S.I.Kryvonogov 2
- Kryvonosov Ie.V.** – Optimization of KY-crystallization process Ie.V.Kryvonosov, L.A.Lytvynov 1 138
- Kuda O.A.** – Adsorption of ceftriaxon by biogenic hydroxyapatite with magnetic additions O.M.Otychenko, T.Ye.Babutina, O.A.Kuda, O.M.Budylnina, L.S.Protsenko, O.Yu.Koval, I.V.Uvarova 4 577
- Kulish M.P.** – Electron-conformational rearrangement in nanocomposites films of poly-*N*-epoxypropylcarbazole with fullerenes  $\text{C}_{60}$  O.P.Olasyuk, O.P.Dmytrenko, M.P.Kulish, M.A.Zabolotnyy, H.Y.Borodina, T.O.Busko 4 563
- Kuriakin M.** – Investigation of structure formation in lithium silicate glasses on initial stages of nucleation O.Savvova, O.Babich, M.Kuriakin, A.Grivtsova, V.Topchiy 2 311
- Kushnir B.V.** – Layered crystals  $\text{FeIn}_2\text{Se}_4$ ,  $\text{In}_4\text{Se}_3$  and heterojunctions on their basis B.V.Kushnir, Z.D.Kovalyuk, V.M.Katerynychuk, V.V.Netyaga, I.G.Tkachuk 3 372
- Kuts Yu.** – Computer-informative software for research of the new materials of constructional applications Yu.Kuts, O.Povstyanoy 1 175
- Kuzmin R.M.** – Electret properties of  $\text{Ca}_5\text{Nb}_4\text{TiO}_{17}$  with five-layered pyrochlore-like structure Y.O.Titov, M.S.Slobodyanik, N.M.Belyavina, O.I.Nakonechna, V.V.Chumak, R.M.Kuzmin 4 559
- Kuzminykh L.V.** – Biogenic magnetic nanoparticles in lung, heart and liver S.V.Gorobets, O.Yu.Gorobets, O.V.Medvediev, V.O.Golub, L.V.Kuzminykh 3 405
- Latyshev V.M.** – Formation of porous zinc nanosystems using direct and reverse flows of DC magnetron sputtering V.M.Latyshchuk, V.I.Perekrestov, A.S.Kornyushchenko, I.V.Zahaiko 1 154
- Lebedynskiy A.M.** – Study of  $\text{Mn}^{2+}$  and  $\text{MnO}_4^-$  products interaction in alkaline solution D.S.Sofronov, A.M.Odnovolova, L.V.Gudzenko, S.M.Desenko, P.V.Mateychenko, L.V.Rudenko, A.M.Lebedynskiy 2 322



- Lebovka N.I.** – Liquid crystal dispersions containing nanoparticles of different anisometry: carbon nanotubes and organomodified laponite A.N.Samoilov, S.S.Minenko, L.N.Lisetski, E.A.Solovyova, N.I.Lebovka, M.V.Vistak 3 388
- Leonov S.A.** – Research on processes of texture formation in "NiW substrate and TiN coating" system and creation of the new type textured paramagnetic substrates for HTS based on YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> M.S.Sunhurov, S.A.Leonov, T.V.Sukhareva, V.V.Derevyanko, V.A.Finkel, Yu.N.Shakhov 1 63
- Leonov S.A.** – Structural aspects of the phase and texture formation processes in thin-layer Ni-W/TiN systems which are perspective for creating high-temperature superconductors of the second generation M.S.Sunhurov, V.V.Derevyanko, S.A.Leonov, T.V.Sukhareva, V.A.Finkel, Yu.N.Shakhov 3 353
- Levchenko I.V.** – Chemical polishing of InAs, InSb, GaAs and GaSb I.V.Levchenko, V.M.Tomashyk, I.B.Stratiychuk, G.P.Malanych, A.S.Stanetska, A.A.Korchovy 4 654
- Li Jin** – Sensitivity analysis and proportioning design of rock burst similar materials Yongsheng Liu, Jin Li, Qiulan Wu, Wang Liu 3 496
- Li Yingying** – Research on game scheduling of galvanizing pipe production Yingying Li, Shaohua Dong 3 490
- Li Nan** – The experimental research on axial compression performance of concrete-filled steel square tube strengthened by internal transverse stiffened bars Nan Li, Lai Wang, Yajun Xi, Hui Wang, Tong Guan, Dong, Changfeng Sui, Wenbin Cui 3 427
- Li-li Lu** – Study on cutting performance and tool wear of micro-textured tool for milling Ti6Al4V Shen Xiang-yu, Guo Xuhong, Deng Da-song, Lu Li-li, Chen Yandong 3 501
- Li Nan** – Nonlinear analysis of concrete-filled steel square tube strengthened by internal transverse stiffened bars under axial compression Nan Li, Lai Wang, Yajun Xi, Tong Guan, Hui Wang, Furui Dong 3 451
- Ling Sun** – Study of biofilms based on filamentous bamboo for surface water bioremediation Zhang Huifang, Cao Wenping, Sun Ling, Liu Hanhu 4 699
- Lisachuk L.N.** – Development of new compositions of ceramic masses in SrO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> system G.V.Lisachuk, R.V.Kryvobok, A.V.Zakharov, E.V.Chefranov, L.N.Lisachuk 1 162
- Lisachuk G.V.** – Development of new compositions of ceramic masses in SrO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> system G.V.Lisachuk, R.V.Kryvobok, A.V.Zakharov, E.V.Chefranov, L.N.Lisachuk 1 162
- Lisetski L.N.** – Mixtures of 4-pentyl-4'-cyanobiphenyl and photosensitive azoxy nematics as hosts for liquid crystal dispersions of carbon nanotubes A.N.Samoilov, S.S.Minenko, A.P.Fedoryako, L.N.Lisetski, T.V.Bidna 2 197
- Lisetski L.N.** – Liquid crystal dispersions containing nanoparticles of different anisometry: carbon nanotubes and organomodified laponite A.N.Samoilov, S.S.Minenko, L.N.Lisetski, E.A.Solovyova, N.I.Lebovka, M.V.Vistak 3 383
- Lisha Zhao** – Experimental study of the salt solution eroding influence on strength of concrete with recycled coarse aggregate Liu Faming, Zhao Lisha, Yang Bin 2 328
- Listratenko O.M.** – Innovative microelectronic technologies for high-energy physics experiments V.M.Borshchov, O.M.Listratenko, M.A.Protsenko, I.T.Tymchuk, O.O.Fomin 1 143
- Litvinov Yu.V.** – Single-file diffusion in oxygen underdoped ReBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> (Re=Y, Ho) single crystals Y.I.Boiko, V.V.Bogdanov, R.V.Vovk, A.G.Ort, Yu.V.Litvinov 4 527
- Litvinov Yu.V.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682
- Liu Feng** – The novel method for LAI inversion using Lidar and hyperspectral data Zuowei Huang, Feng Liu, Guangwei Hu 3 442
- Liu Guibin** – Fabrication and mechanical performance of 3D woven basalt fiber composite materials Lihua Lv, Xuefei Zhang, Fang Ye, Yongfang Qian, Zhao, Guibin Liu 1 76
- Liu Kaimin** – Simulation analysis of prestressed tensioning whole processon direct constraint method Kaimin Liu 1 122
- Liu Wang** – Sensitivity analysis and proportioning design of rock burst similar materials Yongsheng Liu, Jin Li, Qiulan Wu, Wang Liu 3 496
- Liu Yongsheng** – Sensitivity analysis and proportioning design of rock burst similar materials Yongsheng Liu, Jin Li, Qiulan Wu, Wang Liu 3 496
- Livitska Ol.** – The alternative approach to the preparation of complex calcium phosphates and their characterization Ok.Livitska, N.Strutynska, Ol.Livitska, N.Slobodyanik 3 457
- Livitska Ok.** – The alternative approach to the preparation of complex calcium phosphates and their characterization Ok.Livitska, N.Strutynska, Ol.Livitska, N.Slobodyanik 3 457
- Luzanov A.V.** – About theoretical peculiarities of lowest excitations in modified nanodiamond color centers A.V.Luzanov 1 127
- Luzanov A.V.** – Kirchhoff and electron curvature indexes for SiC nanoclusters A.V.Luzanov 3 434
- Lv Lihua** – Fabrication and mechanical performance of 3D woven basalt fiber composite materials Lihua Lv, Xuefei Zhang, Fang Ye, Yongfang Qian, Zhao, Guibin Liu 1 76

- Lv Yajun** – Preparation and characterization of mortar mixes containing organic acid/expanded vermiculite composite PCM Xinzhong Zhang, Weizhun Jin, Yajun Lv, Haibin Zhang, Weibing Zhou, Fangyi Ding 3 481
- Lytovchenko S.** – Peculiarities of obtaining diamond-(Fe–Cu–Ni–Sn) composite materials by hot pressing E.Gevorkyan, V.Mechnik, N.Bondarenko, R.Vovk, S.Lytovchenko, V.Chishkala, O.Melnik 1 31
- Lytvynov L.A.** – Optimization of KY-crystallization process Ie.V.Kryvonosov, L.A.Lytvynov 1 138
- Madatov R.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Makhlay V.A.** – On application of X-ray approximation method for studying the substructure of sufficiently perfect samples S.V.Malykhin, I.E.Garkusha, V.A.Makhlay, S.V.Surovitsky, M.V.Reshetnyak, S.S.Borisova 1 179
- Maksimchuk P.O.** – Abnormal enhancement of light output by cation mixing in  $Zn_xMg_{1-x}WO_4$  nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zvereva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Maksimchuk P.O.** – Energy transport in  $EuAl_{2.07}(B_4O_{10})O_{0.6}$  nanocrystals with two-dimensional  $Eu^{3+}$  sublattice N.V.Kononets, V.V.Seminko, P.O.Maksimchuk, I.I.Bespalova, Yu.V.Malyukin, B.V.Grynyov 4 516
- Maksimchuk P.O.** – Obtaining of ZnSe nanocrystals from ZnSe bulk crystals by mechanical milling and chemical vapor deposition in silica matrices L.I.Voloshina, V.V.Seminko, I.I.Bespalova, P.O.Maksimchuk, O.G.Viagin, A.A.Masalov 1 11
- Malanych G.P.** – Chemical polishing of InAs, InSb, GaAs and GaSb I.V.Levchenko, V.M.Tomashyk, I.B.Stratiychuk, G.P.Malanych, A.S.Stanetska, A.A.Korchovyi 4 654
- Malykhin S.V.** – On application of X-ray approximation method for studying the substructure of sufficiently perfect samples S.V.Malykhin, I.E.Garkusha, V.A.Makhlay, S.V.Surovitsky, M.V.Reshetnyak, S.S.Borisova 1 179
- Malyukin Y.V.** – Abnormal enhancement of light output by cation mixing in  $Zn_xMg_{1-x}WO_4$  nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zvereva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Malyukin Yu.V.** – Energy transport in  $EuAl_{2.07}(B_4O_{10})O_{0.6}$  nanocrystals with two-dimensional  $Eu^{3+}$  sublattice N.V.Kononets, V.V.Seminko, P.O.Maksimchuk, I.I.Bespalova, Yu.V.Malyukin, B.V.Grynyov 4 516
- Marushchenko V.V.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682
- Masalov A.A.** – Obtaining of ZnSe nanocrystals from ZnSe bulk crystals by mechanical milling and chemical vapor deposition in silica matrices L.I.Voloshina, V.V.Seminko, I.I.Bespalova, P.O.Maksimchuk, O.G.Viagin, A.A.Masalov 1 11
- Mateichenko P.V.** – Effect of CuS,  $Mn_3O_4$  and  $CeO_2$  additives on Co(II) sorption by ZnS particles D.S.Sofronov, A.O.Oreshina, E.Yu.Bryleva, E.M.Sofronova, P.V.Mateichenko, A.N.Puzan 4 667
- Mateychenko P.V.** –  $GdVO_4:Eu^{3+}$  nanoparticles – embedded  $CaCO_3$  55D microspheres: synthesis and characterization I.I.Bespalova, S.L.Yefimova, T.N.Tkacheva, K.A.Hubenko, A.V.Sorokin, P.V.Mateychenko 3 393
- Mateychenko P.V.** – Influence of Ca and Mg doping on the microstructure and optical properties of YAG ceramics M.A.Chaika, O.M.Vovk, A.G.Doroshenko, V.K.Klochkov, P.V.Mateychenko, S.V.Parkhomenko, O.G.Fedorov 2 237
- Mateychenko P.V.** – Study of  $Mn^{2+}$  and  $MnO_4^-$  products interaction in alkaline solution D.S.Sofronov, A.M.Odnovolova, L.V.Gudzenko, S.M.Desenko, P.V.Mateychenko, L.V.Rudenko, A.M.Lebedynskiy 2 322
- Mats A.V.** – Effect of low-temperature annealings on mechanical properties and evolution of nanostructured alloy Zr/Nb V.I.Sokolenko, E.V.Karaseva, A.V.Mats, E.S.Savchuk, V.A.Frolov 2 256
- Matveevskaya N.A.** – Synthesis and characterization of branched gold nanoparticles T.G.Beynik, N.A.Matveevskaya, M.V.Dobrotvorskaya, A.S.Garbuz, D.Yu.Kosyanov, V.I.Vovna, A.A.Vornovskikh, S.I.Bogatyrenko 1 21
- Mayba M.V.** – Synthesis and functional properties of mixed titanium and cobalt oxides M.V.Ved', N.D.Sakhnenko, A.V.Karakurkchi, M.V.Mayba, A.V.Galak 4 534
- Mechnik V.** – Peculiarities of obtaining diamond-(Fe–Cu–Ni–Sn) composite materials by hot pressing E.Gevorkyan, V.Mechnik, N.Bondarenko, R.Vovk, S.Lytovchenko, V.Chishkala, O.Melnik 1 31
- Medviediev O.V.** – Biogenic magnetic nanoparticles in lung, heart and liver S.V.Gorobets, O.Yu.Gorobets, O.V.Medviediev, V.O.Golub, L.V.Kuzminykh 3 405
- Melnik O.** – Peculiarities of obtaining diamond-(Fe–Cu–Ni–Sn) composite materials by hot pressing E.Gevorkyan, V.Mechnik, N.Bondarenko, R.Vovk, S.Lytovchenko, V.Chishkala, O.Melnik 1 31
- Menshikova S.I.** – Dependence of electrical conductivity on  $B_{12}Se_3$  thin film thickness S.I.Menshikova, E.I.Rogacheva, A.Yu.Sipatov, A.G.Fedorov 4 555

- Milovanov Y.S.** – Influence of gas adsorption on the impedance of porous GaAs Y.S.Milovanov, I.V.Gavrilchenko, S.V.Kondratenko, A.P.Oksanich, S.E.Pritchkin, M.G.Kogdas 1 52
- Minenko S.S.** – Mixtures of 4-pentyl-4'-cyanobiphenyl and photosensitive azoxy nematics as hosts for liquid crystal dispersions of carbon nanotubes A.N.Samoilov, S.S.Minenko, A.P.Fedoryako, L.N.Lisetski, T.V.Bidna 2 197
- Minenko S.S.** – Liquid crystal dispersions containing nanoparticles of different anisometry: carbon nanotubes and organomodified laponite A.N.Samoilov, S.S.Minenko, L.N.Lisetski, E.A.Solovyova, N.I.Lebovka, M.V.Vistak 3 383
- Minggin Lee** – Experimental research on mechanical properties of desert sand steel-PVA fiber engineered cementitious composites Che Jialing, Li Quanwei, Lee Minggin, Wang Dan 4 584
- Mishurov D.** – Influence of residual solvent on relaxation behavior of polymer films based on glycidyl derivatives of 3, 5, 7, 3',4'-pentahydroxyflavone D.Mishurov, O.Roshal, O.Brovko 1 68
- Mitsa V.** – Structural investigation of As–Se chalcogenide thin films with different compositions: formation, characterization and peculiarities of volume and near-surface nanolayers O.Kondrat, R.Holomb, V.Mitsa, M.Veress, N.Tsud 4 547
- Multian V.V.** – Nonlinear optical response of the KDP single crystals with incorporated TiO<sub>2</sub> nanoparticles in visible range: effect of the nanoparticles concentration A.S.Popov, A.V.Uklein, V.V.Multian, I.M.Pritula, P.I.Budnyk, O.Kh.Khasanov, V.Ya.Gayvoronsky 1 5
- Mygal G.V.** – Individuality of photoresponse dynamics of semiconductor sensors V.P.Mygal, I.A.Klymenko, G.V.Mygal 2 212
- Mygal V.P.** – Individuality of photoresponse dynamics of semiconductor sensors V.P.Mygal, I.A.Klymenko, G.V.Mygal 2 212
- Mykytyuk Z.M.** – A liquid crystal-based sensitive element for optical sensors of cholesterol M.V.Vistak, V.E.Dmytrakh, Z.M.Mykytyuk, V.S.Petryshak, Y.Y.Horbenko 4 687
- Myrna T.Yu.** – Functional mixed cobalt and aluminum oxide coatings for environmental safety M.V.Ved, N.D.Sakhnenko, A.V.Karakurkchi, T.Yu.Myrna 2 303
- Myronchuk G.L.** – Influence the cationic substitution in AgGaGe<sub>3</sub>Se<sub>8</sub> on the electro-optical, IR optical and nonlinear properties A.S.Krymus, G.L.Myronchuk, O.V.Parasyuk, I.V.Kityk, M.Piasecki 4 521
- Nakonechna O.I.** – Electret properties of Ca<sub>5</sub>Nb<sub>4</sub>TiO<sub>17</sub> with five-layered perovskite-like structure Y.O.Titov, M.S.Slobodyanik, N.M.Belyavina, O.I.Nakonechna, V.V.Chumak, R.M.Kuzmin 4 559
- Nazarov M.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Nepokupnaya T.A.** – Large area detector of low-energy gamma radiation T.A.Nepokupnaya, A.A.Ananenko, A.Yu.Boyarintsev, A.A.Bobovnikov, A.V.Gektin, S.N.Kovalchuk, Yu.D.Onufriyev, V.Yu.Pedash 4 678
- Netyaga V.V.** – Layered crystals FeIn<sub>2</sub>Se<sub>4</sub>, In<sub>4</sub>Se<sub>3</sub> and heterojunctions on their basis B.V.Kushnir, Z.D.Kovalyuk, V.M.Katerynychuk, V.V.Netyaga, I.G.Tkachuk 3 372
- Odnovolova A.M.** – Study of Mn<sup>2+</sup> and MnO<sub>4</sub><sup>-</sup> products interaction in alkaline solution D.S.Sofronov, A.M.Odnovolova, L.V.Gudzenko, S.M.Desenko, P.V.Mateychenko, L.V.Rudenko, A.M.Lebedynskiy 2 322
- Oksanich A.P.** – Influence of gas adsorption on the impedance of porous GaAs Y.S.Milovanov, I.V.Gavrilchenko, S.V.Kondratenko, A.P.Oksanich, S.E.Pritchkin, M.G.Kogdas 1 52
- Olasjuk O.P.** – Electron-conformational rearrangement in nanocomposites films of poly-*N*-epoxypropylcarbazole with fullerenes C<sub>60</sub> O.P.Olasjuk, O.P.Dmytrenko, M.P.Kulish, M.A.Zabolotnyy, H.Y.Borodina, T.O.Busko 4 563
- Omelchenko I.V.** – Basis set effects on the structure of isomeric nitroanilines: the role of basis set expansion, additional diffuse and polarization functions within the frame of DFT and MP2 approaches I.V.Omelchenko, O.V.Shishkin 2 270
- Onufriyev Yu.D.** – Large area detector of low-energy gamma radiation T.A.Nepokupnaya, A.A.Ananenko, A.Yu.Boyarintsev, A.A.Bobovnikov, A.V.Gektin, S.N.Kovalchuk, Yu.D.Onufriyev, V.Yu.Pedash 4 678
- Oreshina A.O.** – Effect of CuS, Mn<sub>3</sub>O<sub>4</sub> and CeO<sub>2</sub> additives on Co(II) sorption by ZnS particles D.S.Sofronov, A.O.Oreshina, E.Yu.Bryleva, E.M.Sofronova, P.V.Mateichenko, A.N.Puzan 4 667
- Orlovich V.A.** – Growth of SrWO<sub>4</sub> and CaMoO<sub>4</sub> single crystals and their characterization by means of Raman spectroscopy M.B.Kosmyna, A.N.Shekhovtsov, I.A.Khodasevich, S.V.Voitikov, V.A.Orlovich 4 635
- Ort A.G.** – Single-file diffusion in oxygen underdoped ReBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> (Re=Y, Ho) single crystals Y.I.Boiko, V.V.Bogdanov, R.V.Vovk, A.G.Ort, Yu.V.Litvinov 4 527
- Otychenko O.M.** – Adsorption of ceftriaxon by biogenic hydroxyapatite with magnetic additions O.M.Otychenko, T.Ye.Babutina, O.A.Kuda, O.M.Budylyna, L.S.Protsenko, O.Yu.Koval, I.V.Uvarova 4 577
- Ovcharenko O.I.** – Investigations on temperature dependences of parameters of <sup>121</sup>I NQR spectrum of (Bi<sub>13</sub>)<sub>(1-x)</sub>(Pb<sub>2</sub>)<sub>x</sub> mixed layered semiconductor and alkaline halogens crystals I.G.Vertegel, E.D.Chesnokov, O.I.Ovcharenko, I.I.Vertegel, O.S.Ivanov, Yu.P.Gnatenko, O.A.Ponkratenko 3 360
- Parasyuk O.V.** – Influence the cationic substitution in AgGaGe<sub>3</sub>Se<sub>8</sub> on the electro-optical, IR optical and nonlinear properties A.S.Krymus, G.L.Myronchuk, O.V.Parasyuk, I.V.Kityk, M.Piasecki 4 521

- Parkhomenko S.V.** – Influence of Ca and Mg doping on the microstructure and optical properties of YAG ceramics M.A.Chaika, O.M.Vovk, A.G.Doroshenko, V.K.Klochkov, P.V.Mateychenko, S.V.Parkhomenko, O.G.Fedorov 2 237
- Pavlova N.Yu.** – Luminescence of Dipole-centers in ZnSe crystals M.Alizadeh, V.Ya.Degoda, B.V.Kozhushko, N.Yu.Pavlova 2 206
- Pedash V.Yu.** – Large area detector of low-energy gamma radiation T.A.Nepokupnaya, A.A.Ananenko, A.Yu.Boyarintsev, A.A.Bobovnikov, A.V.Gektin, S.N.Kovalchuk, Yu.D.Onufriyev, V.Yu.Pedash 4 678
- Pedash V.Yu.** – Scintillation properties of europium doped  $\text{RbCaC}_3$  crystals N.V.Rebrova, A.Yu.Grippa, A.S.Pushak, T.E.Gorbacheva, V.Yu.Pedash 2
- Peng Xiao** – Study of influencing factors on the peak dissipation energy at physical simulation similar material of coal-rock solid-gas coupling Zhao Pengxiang, He Bin-lei, Xiao Peng, Yang Erhao, Gao Jin-biao 2 335
- Peng-xiang Zhao** – Study of influencing factors on the peak dissipation energy at physical simulation similar material of coal-rock solid-gas coupling Zhao Pengxiang, He Bin-lei, Xiao Peng, Yang Erhao, Gao Jin-biao 2 335
- Perekrestov V.I.** – Formation of porous zinc nanosystems using direct and reverse flows of DC magnetron sputtering V.M.Latyshev, V.I.Perekrestov, A.S.Kornyushchenko, I.V.Zahaiko 1 154
- Pereymak V.N.** – The plastic scintillator activated with fluorinated 3-hydroxyflavone Yu.A.Gurkalenko, D.A.Eliseev, P.N.Zhmurin, V.N.Pereymak, O.V.Svidlo 2 244
- Pereymak V.N.** – The plastic scintillator for  $n/\gamma$ -discrimination with alkyl-substituted PPO derivative. P.N.Zhmurin, D.A.Eliseev, V.N.Pereymak, O.V.Svidlo, Yu.A.Gurkalenko 3 476
- Petrukhin S.Yu.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682
- Petryshak V.S.** – A liquid crystal-based sensitive element for optical sensors of cholesterol M.V.Vistak, V.E.Dmytrakh, Z.M.Mykytyuk, V.S.Petryshak, Y.Y.Horbenko 4 687
- Phat Lam Tan** – Energy flux of electromagnetic field in stochastic model of radiative heat transfer in dielectric solid medium Yu.P.Virchenko, Lam Tan Phat 1 106
- Piasecki M.** – Influence the cationic substitution in  $\text{AgGaGe}_3\text{Se}_8$  on the electro-optical, IR optical and nonlinear properties A.S.Krymus, G.L.Myronchuk, O.V.Parasyuk, I.V.Kityk, M.Piasecki 4 521
- Plugin A.A.** – Interaction of Portland cement hydration products with complex chemical additives containing fiberglass in moisture-proof cement compositions O.I.Demina, A.A.Plugin, E.B.Dedenyova, D.O.Bondarenko, T.A.Kostuk, A.I.Bondarenko 3 415
- Polyansky N.E.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682
- Ponkratenko O.A.** – Investigations on temperature dependences of parameters of  $^{121}\text{I}$  NQR spectrum of  $(\text{BiI}_3)_{(1-x)}(\text{PbI}_2)_x$  mixed layered semiconductor and alkaline halogens crystals I.G.Vertegel, E.D.Chesnokov, O.I.Ovcharenko, I.I.Vertegel, O.S.Ivanov, Yu.P.Gnatenko, O.A.Ponkratenko 3 360
- Ponomarenko T.V.** – On some features of low-temperature mixed crystallization of CsI solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Bryleva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Popov A.S.** – Nonlinear optical response of the KDP single crystals with incorporated  $\text{TiO}_2$  nanoparticles in visible range: effect of the nanoparticles concentration A.S.Popov, A.V.Uklein, V.V.Multian, I.M.Pritula, P.I.Budnyk, O.Kh.Khasanov, V.Ya.Gayvoronsky 1 5
- Pospelov A.P.** – Macroscopic simulation of atom-sized structures of functional materials: phenomenology of the elongated electrode system A.P.Pospelov, G.V.Kamarchuk, A.V.Savytskyi, M.D.Sakhnenko, M.V.Ved', V.L.Vakula 3 463
- Povstyanoy O.** – Computer-informative software for research of the new materials of constructional applications Yu.Kuts, O.Povstyanoy 1 175
- Pritchkin S.E.** – Influence of gas adsorption on the impedance of porous GaAs Y.S.Milovanov, I.V.Gavrilchenko, S.V.Kondratenko, A.P.Oksanich, S.E.Pritchkin, M.G.Kogdas 1 52
- Pritula I.M.** – Nonlinear optical response of the KDP single crystals with incorporated  $\text{TiO}_2$  nanoparticles in visible range: effect of the nanoparticles concentration A.S.Popov, A.V.Uklein, V.V.Multian, I.M.Pritula, P.I.Budnyk, O.Kh.Khasanov, V.Ya.Gayvoronsky 1 5
- Pritula I.M.** – Growth peculiarities of doped lithium dihydrogen phosphate single crystals from nonstoichiometric solution G.N.Babenko, I.M.Pritula 2 226
- Proskurina V.O.** – Internal stresses and magnetic properties of Fe-Co electrolytic coatings V.O.Proskurina, I.Yu.Yermolenko, S.I.Zyubanova, I.G.Shipkova, B.A.Avramenko, Yu.I.Sachanova 3 420
- Protsenko M.A.** – Innovative microelectronic technologies for high-energy physics experiments V.M.Borshchov, O.M.Listratenko, M.A.Protsenko, I.T.Tymchuk, O.O.Fomin 1 143

- Protsenko L.S.** – Adsorption of ceftriaxon by biogenic hydroxyapatite with magnetic additions O.M.Otychenko, T.Ye.Babutina, O.A.Kuda, O.M.Budylna, L.S.Protsenko, O.Yu.Koval, I.V.Uvarova 4 577
- Pushak A.S.** – Scintillation properties of europium doped  $\text{RbCaC}_3$  crystals N.V.Rebrova, A.Yu.Grippa, A.S.Pushak, T.E.Gorbacheva, V.Yu.Pedash 2
- Puzan A.N.** – Effect of  $\text{CuS}$ ,  $\text{Mn}_3\text{O}_4$  and  $\text{CeO}_2$  additives on Co(II) sorption by  $\text{ZnS}$  particles D.S.Sofronov, A.O.Oreshina, E.Yu.Bryleva, E.M.Sofronova, P.V.Mateichenko, A.N.Puzan 4 667
- Qian Yongfang** – Fabrication and mechanical performance of 3D woven basalt fiber composite materials Lihua Lv, Xuefei Zhang, Fang Ye, Yongfang Qian, Zhao, Guibin Liu 1 76
- Qin-lan Wu** – Mechanical properties and energy dissipation of rock under acid corrosion and coupled static-dynamic loads Liu Yong-sheng, Li Jin, Zou Jia-yu, Wu Qin-lan, Wang 4 607
- Qing Zhang** – Effect of Y addition on the microstructures and mechanical properties of Mg-Gd-Y-Sm-Zr alloys Fu sanling, Li quanan, Chen Jun, Zhang Qing 2 264
- quanan Li** – Effect of Y addition on the microstructures and mechanical properties of Mg-Gd-Y-Sm-Zr alloys Fu sanling, Li quanan, Chen Jun, Zhang Qing 2 264
- Quanwei Li** – Experimental research on mechanical properties of desert sand steel-PVA fiber engineered cementitious composites Che Jialing, Li Quanwei, Lee Minggin, Wang Dan 4 584
- Ravlik A.G.** – Distribution peculiarities of stray fields and magnetization near magnet singularities V.N.Samofalov, D.P.Belozorov, A.G.Ravlik, A.S.Aseev 3 365
- Rebrova N.V.** – Scintillation properties of europium doped  $\text{RbCaC}_3$  crystals N.V.Rebrova, A.Yu.Grippa, A.S.Pushak, T.E.Gorbacheva, V.Yu.Pedash 2
- Rebrova T.P.** – On some features of low-temperature mixed crystallization of  $\text{CsI}$  solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Bryleva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Reshetnyak M.V.** – On application of X-ray approximation method for studying the substructure of sufficiently perfect samples S.V.Malykhin, I.E.Garkusha, V.A.Makhlay, S.V.Surovitsky, M.V.Reshetnyak, S.S.Borisova 1 179
- Revutsky V.I.** – Cold pressing of ferroelectric-ferromagnetic layered composites for nonlinear forming lines of high-voltage impulse generators O.L.Rezinkin, M.M.Rezinkina, O.G.Gryb, V.I.Revutsky 1 168
- Rezinkin O.L.** – Cold pressing of ferroelectric-ferromagnetic layered composites for nonlinear forming lines of high-voltage impulse generators O.L.Rezinkin, M.M.Rezinkina, O.G.Gryb, V.I.Revutsky 1 168
- Rezinkina M.M.** – Cold pressing of ferroelectric-ferromagnetic layered composites for nonlinear forming lines of high-voltage impulse generators O.L.Rezinkin, M.M.Rezinkina, O.G.Gryb, V.I.Revutsky 1 168
- Rogacheva E.I.** – Dependence of electrical conductivity on  $\text{Bi}_2\text{Se}_3$  thin film thickness S.I.Menshikova, E.I.Rogacheva, A.Yu.Sipatov, A.G.Fedorov 4 555
- Ropakova I.Yu.** – Using cyanine dye J-aggregates as luminescence probe for nanostructured media A.V. Sorokin, I.Yu. Ropakova, I.A. Borovoy, I.I. Bepalova, S.L. Yefimova 3 388
- Roshal A.D.** – Growth peculiarities of doped lithium dihydrogen phosphate single crystals from nonstoichiometric solution A.N.Iurchenko, A.P.Voronov, A.D.Roshal, S.I.Kryvonogov 2
- Roshal O.** – Influence of residual solvent on relaxation behavior of polymer films based on glycidyl derivatives of 3, 5, 7, 3',4'-pentahydroxyflavone D.Mishurov, O.Roshal, O.Brovko 1 68
- Rudenko L.V.** – Study of  $\text{Mn}^{2+}$  and  $\text{MnO}_4^-$  products interaction in alkaline solution D.S.Sofronov, A.M.Odnovolova, L.V.Gudzenko, S.M.Desenko, P.V.Mateychenko, L.V.Rudenko, A.M.Lebedynskiy 2 322
- Ryabitskii A.B.** – Phosphorylated thiacalixarenes as molecular receptors for QCM sensors of volatile compounds Z.I.Kazantseva, I.A.Koshets, A.E.Belyaev, A.B.Ryabitskii, S.G.Kharchenko, A.B.Drapailo, V.I.Kalchenko, S.V.Shishkina, O.V.Shishkin 4 599
- Rymar T.E.** – Obtaining urea-formaldehyde foam materials with improved mechanical properties T.E.Rymar, V.V.Unkovskaja 3 409
- Sachanova Yu.I.** – Internal stresses and magnetic properties of Fe-Co electrolytic coatings V.O.Proskurina, I.Yu.Yermolenko, S.I.Zyubanova, I.G.Shipkova, B.A.Avramenko, Yu.I.Sachanova 3 420
- Sadigov A.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Sadygov Z.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Safronov R.I.** – Sapphire subdivision at different heat treating types R.Ye.Brodskii, P.V.Konevskiy, R.I.Safronov, A.V.Voloshin 3 376
- Sakhnenko M.D.** – Macroscopic simulation of atom-sized structures of functional materials: phenomenology of the elongated electrode system A.P.Pospelov, G.V.Kamarchuk, A.V.Savytskyi, M.D.Sakhnenko, M.V.Ved', V.L.Vakula 3 463
- Sakhnenko N.D.** – Functional mixed cobalt and aluminum oxide coatings for environmental safety M.V.Ved', N.D.Sakhnenko, A.V.Karakurkchi, T.Yu.Myrna 2 303

- Sakhnenko N.D.** – Synthesis and functional properties of mixed titanium and cobalt oxides M.V.Ved', N.D.Sakhnenko, A.V.Karakurkchi, M.V.Mayba, A.V.Galak 4 534
- Sakun A.V.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682
- Samofalov V.N.** – Distribution peculiarities of stray fields and magnetization near magnet singularities V.N.Samofalov, D.P.Belozorov, A.G.Ravlik, A.S.Aseev 3 365
- Samoilov A.N.** – Mixtures of 4-pentyl-4'-cyanobiphenyl and photosensitive azoxy nematics as hosts for liquid crystal dispersions of carbon nanotubes A.N.Samoilov, S.S.Minenko, A.P.Fedoryako, L.N.Lisetski, T.V.Bidna 2 197
- Samoilov A.N.** – Liquid crystal dispersions containing nanoparticles of different anisometry: carbon nanotubes and organomodified laponite A.N.Samoilov, S.S.Minenko, L.N.Lisetski, E.A.Solovyova, N.I.Lebovka, M.V.Vistak 3 383
- sanling Fu** – Effect of Y addition on the microstructures and mechanical properties of Mg-Gd-Y-Sm-Zr alloys Fu sanling, Li quanan, Chen Jun, Zhang Qing 2 264
- Savchuk E.S.** – Effect of low-temperature annealings on mechanical properties and evolution of nanostructured alloy Zr1Nb V.I.Sokolenko, E.V.Karaseva, A.V.Mats, E.S.Savchuk, V.A.Frolov 2 256
- Savchuk O.O.** – Properties of Ni-TiO<sub>2</sub> composites electrodeposited from methanesulfonate electrolyte Yu.E.Sknar, O.O.Savchuk, I.V.Sknar, F.I.Danilov 3 469
- Savvova O.** – Investigation of structure formation in lithium silicate glasses on initial stages of nucleation O.Savvova, O.Babich, M.Kuriakin, A.Grivtsova, V.Topchiy 2 311
- Savytskyi A.V.** – Macroscopic simulation of atom-sized structures of functional materials: phenomenology of the elongated electrode system A.P.Pospelov, G.V.Kamarchuk, A.V.Savytskyi, M.D.Sakhnenko, M.V.Ved', V.L.Vakula 3 463
- Seminko V.V.** – Obtaining of ZnSe nanocrystals from ZnSe bulk crystals by mechanical milling and chemical vapor deposition in silica matrices L.I.Voloshina, V.V.Seminko, I.I.Bespalova, P.O.Maksimchuk, O.G.Viagin, A.A.Masalov 1 11
- Seminko V.V.** – Energy transport in EuAl<sub>2</sub>O<sub>7</sub>(B<sub>4</sub>O<sub>10</sub>)O<sub>0.8</sub> nanocrystals with two-dimensional Eu<sup>3+</sup> sublattice N.V.Kononets, V.V.Seminko, P.O.Maksimchuk, I.I.Bespalova, Yu.V.Malyukin, B.V.Grynyov 4 516
- Seminko V.V.** – Abnormal enhancement of light output by cation mixing in Zn<sub>x</sub>Mg<sub>1-x</sub>WO<sub>4</sub> nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zveleva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Shafranyuk V.** – Technological conditions effect on structural perfection of Cd<sub>1-x</sub>Mn<sub>x</sub>Te crystals V.Shafranyuk, S.Dremlyuzhenko, S.Solodin, P.Fochuk 4 649
- Shakhov Yu.N.** – Research on processes of texture formation in "NiW substrate and TiN coating" system and creation of the new type textured paramagnetic substrates for HTS based on YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> M.S.Sunhurov, S.A.Leonov, T.V.Sukhareva, V.V.Derevyanko, V.A.Finkel, Yu.N.Shakhov 1 63
- Shakhov Yu.N.** – Structural aspects of the phase and texture formation processes in thin-layer Ni-W/TiN systems which are perspective for creating high-temperature superconductors of the second generation M.S.Sunhurov, V.V.Derevyanko, S.A.Leonov, T.V.Sukhareva, V.A.Finkel, Yu.N.Shakhov 3 353
- Sheina T.V.** – On some features of low-temperature mixed crystallization of CsI solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Bryleva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Shekhovtsov A.N.** – Growth of SrWO<sub>4</sub> and CaMoO<sub>4</sub> single crystals and their characterization by means of Raman spectroscopy M.B.Kosmyna, A.N.Shekhovtsov, I.A.Khodasevich, S.V.Voitikov, V.A.Orlovich 4 635
- Shen Zhen** – Structural and optical study of ZnS thin films prepared by radio frequency magnetron sputtering at different substrate temperatures Le Kong, Jinxiang Deng, Liang Chen, Zhen Shen, Wang 4 541
- Shipkova I.G.** – Internal stresses and magnetic properties of Fe-Co electrolytic coatings V.O.Proskurina, I.Yu.Yermolenko, S.I.Zyubanova, I.G.Shipkova, B.A.Avramenko, Yu.I.Sachanova 3 420
- Shishkin O.V.** – Phosphorylated thiacalixarenes as molecular receptors for QCM sensors of volatile compounds Z.I.Kazantseva, I.A.Koshets, A.E.Belyaev, A.B.Ryabitskii, S.G.Kharchenko, A.B.Drapailo, V.I.Kalchenko, S.V.Shishkina, O.V.Shishkin 4 599
- Shishkin O.V.** – Basis set effects on the structure of isomeric nitroanilines: the role of basis set expansion, additional diffuse and polarization functions within the frame of DFT and MP2 approaches I.V.Omelchenko, O.V.Shishkin 2 270
- Shishkina S.V.** – Phosphorylated thiacalixarenes as molecular receptors for QCM sensors of volatile compounds Z.I.Kazantseva, I.A.Koshets, A.E.Belyaev, A.B.Ryabitskii, S.G.Kharchenko, A.B.Drapailo, V.I.Kalchenko, S.V.Shishkina, O.V.Shishkin 4 599
- Shut A.M.** – Calorimetric study on relaxation characteristics of epoxy polymers O.S.Tulzhenkova, T.G.Sichkar, L.K.Yanchevsky, A.M.Shut 4 673
- Sichkar T.G.** – Calorimetric study on relaxation characteristics of epoxy polymers O.S.Tulzhenkova, T.G.Sichkar, L.K.Yanchevsky, A.M.Shut 4 673

- Sipatov A.Yu.** – Dependence of electrical conductivity on  $\text{Bi}_2\text{Se}_3$  thin film thickness S.I.Menshikova, E.I.Rogacheva, A.Yu.Sipatov, A.G.Fedorov 4 555
- Sizhong Li** – Study of precision forging technology for complicated high strength aluminum alloy part Junwei Cheng, Xianzhang Feng, Li Sizhong, Guo Xiaoqin, Xia Juchen 1 56
- Sknar I.V.** – Properties of Ni-TiO<sub>2</sub> composites electrodeposited from methanesulfonate electrolyte Yu.E.Sknar, O.O.Savchuk, I.V.Sknar, F.I.Danilov 3 469
- Sknar Yu.E.** – Properties of Ni-TiO<sub>2</sub> composites electrodeposited from methanesulfonate electrolyte Yu.E.Sknar, O.O.Savchuk, I.V.Sknar, F.I.Danilov 3 469
- Slobodyanik M.S.** – Electret properties of  $\text{Ca}_5\text{Nb}_4\text{TiO}_{17}$  with five-layered perovskite-like structure Y.O.Titov, M.S.Slobodyanik, N.M.Belyavina, O.I.Nakonechna, V.V.Chumak, R.M.Kuzmin 4 559
- Slobodyanik N.** – The alternative approach to the preparation of complex calcium phosphates and their characterization Ok.Livitska, N.Strutynska, Ol.Livitska, N.Slobodyanik 3 457
- Slobodyanik N.S.** – Formation of complex phosphates  $\text{K}_2\text{M}^{\text{II}}\text{Sn}(\text{PO}_4)_3$  from solutions in melts under crystallization conditions I.V.Zatovsky, N.S.Slobodyanik, T.I.Ushchapivska, W.Han 2 298
- Sofronov D.S.** – Study of  $\text{Mn}^{2+}$  and  $\text{MnO}_4^-$  products interaction in alkaline solution D.S.Sofronov, A.M.Odnovolova, L.V.Gudzenko, S.M.Desenko, P.V.Mateychenko, L.V.Rudenko, A.M.Lebedynskiy 2 322
- Sofronov D.S.** – Effect of CuS,  $\text{Mn}_3\text{O}_4$  and  $\text{CeO}_2$  additives on Co(II) sorption by ZnS particles D.S.Sofronov, A.O.Oreshina, E.Yu.Bryleva, E.M.Sofronova, P.V.Mateichenko, A.N.Puzan 4 667
- Sofronova E.M.** – Effect of CuS,  $\text{Mn}_3\text{O}_4$  and  $\text{CeO}_2$  additives on Co(II) sorption by ZnS particles D.S.Sofronov, A.O.Oreshina, E.Yu.Bryleva, E.M.Sofronova, P.V.Mateichenko, A.N.Puzan 4 667
- Sokolenko V.I.** – Effect of low-temperature annealings on mechanical properties and evolution of nanostructured alloy Zr1Nb V.I.Sokolenko, E.V.Karaseva, A.V.Mats, E.S.Savchuk, V.A.Frolov 2 256
- Solodin S.** – Technological conditions effect on structural perfection of  $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$  crystals V.Shafranyuk, S.Dremlyuzhenko, S.Solodin, P.Fochuk 4 649
- Solovyova E.A.** – Liquid crystal dispersions containing nanoparticles of different anisometry: carbon nanotubes and organomodified laponite A.N.Samoilov, S.S.Minenko, L.N.Lisetski, E.A.Solovyova, N.I.Lebovka, M.V.Vistak 3 383
- Sorokin A.V.** – Using cyanine dye J-aggregates as luminescence probe for nanostructured media A.V. Sorokin, I.Yu. Ropakova, I.A. Borovoy, I.I. Bespalova, S.L. Yefimova 3 388
- Sorokin A.V.** –  $\text{GdVO}_4:\text{Eu}^{3+}$  nanoparticles — embedded  $\text{CaCO}_3$  55D microspheres: synthesis and characterization I.I.Bespalova, S.L.Yefimova, T.N.Tkacheva, K.A.Hubenko, A.V.Sorokin, P.V.Mateychenko 3 393
- Stanetska A.S.** – Chemical polishing of InAs, InSb, GaAs and GaSb I.V.Levchenko, V.M.Tomashyk, I.B.Stratiychuk, G.P.Malanych, A.S.Stanetska, A.A.Korchovyi 4 654
- Stratiychuk I.B.** – Chemical polishing of InAs, InSb, GaAs and GaSb I.V.Levchenko, V.M.Tomashyk, I.B.Stratiychuk, G.P.Malanych, A.S.Stanetska, A.A.Korchovyi 4 654
- Strutynska N.** – The alternative approach to the preparation of complex calcium phosphates and their characterization Ok.Livitska, N.Strutynska, Ol.Livitska, N.Slobodyanik 3 457
- Sui Changfeng** – The experimental research on axial compression performance of concrete-filled steel square tube strengthened by internal transverse stiffened bars Nan Li, Lai Wang, Yajun Xi, Hui Wang, Tong Guan, Dong, Changfeng Sui, Wenbin Cui 3 427
- Sukhareva T.V.** – Research on processes of texture formation in "NiW substrate and TiN coating" system and creation of the new type textured paramagnetic substrates for HTS based on  $\text{YBa}_2\text{Cu}_3\text{O}_7$  M.S.Sunhurov, S.A.Leonov, T.V.Sukhareva, V.V.Derevyanko, V.A.Finkel, Yu.N.Shakhov 1 63
- Sukhareva T.V.** – Structural aspects of the phase and texture formation processes in thin-layer Ni-W/TiN systems which are perspective for creating high-temperature superconductors of the second generation M.S.Sunhurov, V.V.Derevyanko, S.A.Leonov, T.V.Sukhareva, V.A.Finkel, Yu.N.Shakhov 3 353
- Suleymanov S.** – New phoswich detector based on LFS and *p*-terphenyl scintillators coupled to micro pixel avalanche photodiode F.Ahmadov, F.Abdullayev, G.Ahmadov, A.Sadigov, Z.Sadygov, R.Madatov, S.Suleymanov, R.Akberov, N.Heydarov, M.Nazarov 2 341
- Sunhurov M.S.** – Research on processes of texture formation in "NiW substrate and TiN coating" system and creation of the new type textured paramagnetic substrates for HTS based on  $\text{YBa}_2\text{Cu}_3\text{O}_7$  M.S.Sunhurov, S.A.Leonov, T.V.Sukhareva, V.V.Derevyanko, V.A.Finkel, Yu.N.Shakhov 1 63
- Sunhurov M.S.** – Structural aspects of the phase and texture formation processes in thin-layer Ni-W/TiN systems which are perspective for creating high-temperature superconductors of the second generation M.S.Sunhurov, V.V.Derevyanko, S.A.Leonov, T.V.Sukhareva, V.A.Finkel, Yu.N.Shakhov 3 353
- Surovitsky S.V.** – On application of X-ray approximation method for studying the substructure of sufficiently perfect samples S.V.Malykhin, I.E.Garkusha, V.A.Makhlay, S.V.Surovitsky, M.V.Reshetnyak, S.S.Borisova 1 179
- Svidlo O.V.** – The plastic scintillator for n/ $\gamma$ -discrimination with alkyl-substituted PPO derivative. P.N.Zhmurin, D.A.Eliseev, V.N.Pereymak, O.V.Svidlo, Yu.A.Gurkalenko 3 476
- Svidlo O.V.** – The plastic scintillator activated with fluorinated 3-hydroxyflavone Yu.A.Gurkalenko, D.A.Eliseev, P.N.Zhmurin, V.N.Pereymak, O.V.Svidlo 2 244

- Sych O.** – Effect of fluorine addition on the structure and properties of high-porous glass ceramics applicable for reconstructive surgery O.Sych, A.Iatsenko, H.Tovstonoh, T.Tomila, Y.Yevych 1 46
- Tarasov V.A.** – Scintillation properties of europium doped  $\text{RbCaC}_3$  crystals V.L.Cherginets, V.A.Tarasov 2 221
- Tianhua Chen** – Tribological properties of calcium carbonate powders modified with Tween 40 as lubricant additives Chen Tianhua 4 572
- Titov Y.O.** – Electret properties of  $\text{Ca}_5\text{Nb}_4\text{TiO}_{17}$  with five-layered perovskite-like structure Y.O.Titov, M.S.Slobodyanik, N.M.Belyavina, O.I.Nakonechna, V.V.Chumak, R.M.Kuzmin 4 559
- Tkacheva T.N.** –  $\text{GdVO}_4\text{Eu}^{3+}$  nanoparticles – embedded  $\text{CaCO}_3$  55D microspheres: synthesis and characterization I.I.Bespalova, S.L.Yefimova, T.N.Tkacheva, K.A.Hubenko, A.V.Sorokin, P.V.Mateychenko 3 393
- Tkachuk I.G.** – Excitonic photoconductivity of heterostructures based on gallium and indium selenides V.M.Katerynychuk, Z.D.Kovalyuk, I.G.Tkachuk 2 203
- Tkachuk I.G.** – Layered crystals  $\text{FeIn}_2\text{Se}_4$ ,  $\text{In}_4\text{Se}_3$  and heterojunctions on their basis B.V.Kushnir, Z.D.Kovalyuk, V.M.Katerynychuk, V.V.Netyaga, I.G.Tkachuk 3 372
- Tomashyk V.M.** – Chemical polishing of  $\text{InAs}$ ,  $\text{InSb}$ ,  $\text{GaAs}$  and  $\text{GaSb}$  I.V.Levchenko, V.M.Tomashyk, I.B.Stratiychuk, G.P.Malanych, A.S.Stanetska, A.A.Korchovy 4 654
- Tomila T.** – Effect of fluorine addition on the structure and properties of high-porous glass ceramics applicable for reconstructive surgery O.Sych, A.Iatsenko, H.Tovstonoh, T.Tomila, Y.Yevych 1 46
- Topchiy V.** – Investigation of structure formation in lithium silicate glasses on initial stages of nucleation O.Savvova, O.Babich, M.Kuriakin, A.Grivtsova, V.Topchiy 2 311
- Tovstonoh H.** – Effect of fluorine addition on the structure and properties of high-porous glass ceramics applicable for reconstructive surgery O.Sych, A.Iatsenko, H.Tovstonoh, T.Tomila, Y.Yevych 1 46
- Trubaeva O.G.** – Abnormal enhancement of light output by cation mixing in  $\text{Zn}_x\text{Mg}_{1-x}\text{WO}_4$  nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zvereva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Tsud N.** – Structural investigation of As–Se chalcogenide thin films with different compositions: formation, characterization and peculiarities of volume and near-surface nanolayers O.Kondrat, R.Holomb, V.Mitsa, M.Veres, N.Tsud 4 547
- Tulzhenkova O.S.** – Calorimetric study on relaxation characteristics of epoxy polymers O.S.Tulzhenkova, T.G.Sichkar, L.K.Yanchevsky, A.M.Shut 4 673
- Tupitsyna I.A.** – Abnormal enhancement of light output by cation mixing in  $\text{Zn}_x\text{Mg}_{1-x}\text{WO}_4$  nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zvereva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Tymchuk I.T.** – Innovative microelectronic technologies for high-energy physics experiments V.M.Borshchov, O.M.Listratenko, M.A.Protsenko, I.T.Tymchuk, O.O.Fomin 1 143
- Uklein A.V.** – Nonlinear optical response of the KDP single crystals with incorporated  $\text{TiO}_2$  nanoparticles in visible range: effect of the nanoparticles concentration A.S.Popov, A.V.Uklein, V.V.Multian, I.M.Pritula, P.I.Budnyk, O.Kh.Khasanov, V.Ya.Gayvoronsky 1 5
- Unkovskaja V.V.** – Obtaining urea-formaldehyde foam materials with improved mechanical properties T.E.Rymar, V.V.Unkovskaja 3 409
- Ushchapivska T.I.** – Formation of complex phosphates  $\text{K}_2\text{M}^{\text{III}}\text{Sn}(\text{PO}_4)_3$  from solutions in melts under crystallization conditions I.V.Zatovsky, N.S.Slobodyanik, T.I.Ushchapivska, W.Han 2 298
- Uvarova I.V.** – Adsorption of ceftriaxon by biogenic hydroxyapatite with magnetic additions O.M.Otychenko, T.Ye.Babutina, O.A.Kuda, O.M.Budylna, L.S.Protsenko, O.Yu.Koval, I.V.Uvarova 4 577
- Vakula V.L.** – Macroscopic simulation of atom-sized structures of functional materials: phenomenology of the elongated electrode system A.P.Pospelov, G.V.Kamarchuk, A.V.Savytskyi, M.D.Sakhnenko, M.V.Ved', V.L.Vakula 3 463
- Varchenko V.V.** – On some features of low-temperature mixed crystallization of CsI solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Bryleva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Varich A.G.** – On some features of low-temperature mixed crystallization of CsI solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Bryleva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Vasil'ev A.N.** – Fluctuations of ionizing particle track structure and energy resolution of scintillators A.V.Gektin, A.N.Vasil'ev 4 621
- Ved M.V.** – Functional mixed cobalt and aluminum oxide coatings for environmental safety M.V.Ved, N.D.Sakhnenko, A.V.Karakurkchi, T.Yu.Myrna 2 303
- Ved' M.V.** – Macroscopic simulation of atom-sized structures of functional materials: phenomenology of the elongated electrode system A.P.Pospelov, G.V.Kamarchuk, A.V.Savytskyi, M.D.Sakhnenko, M.V.Ved', V.L.Vakula 3 463
- Ved' M.V.** – Synthesis and functional properties of mixed titanium and cobalt oxides M.V.Ved', N.D.Sakhnenko, A.V.Karakurkchi, M.V.Mayba, A.V.Galak 4 534



- Veres M.** – Structural investigation of As–Se chalcogenide thin films with different compositions: formation, characterization and peculiarities of volume and near-surface nanolayers O.Kondrat, R.Holomb, V.Mitsa, M.Verese, N.Tsud 4 547
- Vertegel I.I.** – Investigations on temperature dependences of parameters of  $^{127}\text{I}$  NQR spectrum of  $(\text{BiI}_3)_{(1-x)}(\text{PbI}_2)_x$  mixed layered semiconductor and alkaline halogens crystals I.G.Vertegel, E.D.Chesnokov, O.I.Ovcharenko, I.I.Vertegel, O.S.Ivanov, Yu.P.Gnatenko, O.A.Ponkratenko 3 360
- Vertegel I.G.** – Investigations on temperature dependences of parameters of  $^{127}\text{I}$  NQR spectrum of  $(\text{BiI}_3)_{(1-x)}(\text{PbI}_2)_x$  mixed layered semiconductor and alkaline halogens crystals I.G.Vertegel, E.D.Chesnokov, O.I.Ovcharenko, I.I.Vertegel, O.S.Ivanov, Yu.P.Gnatenko, O.A.Ponkratenko 3 360
- Viagin O.G.** – Obtaining of ZnSe nanocrystals from ZnSe bulk crystals by mechanical milling and chemical vapor deposition in silica matrices L.I.Voloshina, V.V.Seminko, I.I.Bespalova, P.O.Maksimchuk, O.G.Viagin, A.A.Masalov 1 11
- Virchenko Yu.P.** – Energy flux of electromagnetic field in stochastic model of radiative heat transfer in dielectric solid medium Yu.P.Virchenko, Lam Tan Phat 1 106
- Vistak M.V.** – Liquid crystal dispersions containing nanoparticles of different anisometry: carbon nanotubes and organomodified laponite A.N.Samoilov, S.S.Minenko, L.N.Lisetski, E.A.Solovyova, N.I.Lebovka, M.V.Vistak 3 383
- Vistak M.V.** – A liquid crystal-based sensitive element for optical sensors of cholesterol M.V.Vistak, V.E.Dmytrakh, Z.M.Mykytyuk, V.S.Petryshak, Y.Y.Horbenko 4 687
- Voitikov S.V.** – Growth of  $\text{SrWO}_4$  and  $\text{CaMoO}_4$  single crystals and their characterization by means of Raman spectroscopy M.B.Kosmyna, A.N.Shekhovtsov, I.A.Khodasevich, S.V.Voitikov, V.A.Orlovich 4 635
- Voloshin A.V.** – Sapphire subdivision at different heat treating types R.Ye.Brodskii, P.V.Konevskiy, R.I.Safronov, A.V.Voloshin 3 376
- Voloshina L.I.** – Obtaining of ZnSe nanocrystals from ZnSe bulk crystals by mechanical milling and chemical vapor deposition in silica matrices L.I.Voloshina, V.V.Seminko, I.I.Bespalova, P.O.Maksimchuk, O.G.Viagin, A.A.Masalov 1 11
- Volosyuk A.V.** – Relaxation of stress occurring in Cd–Ni diffusion zone with formation of intermetallic phase V.V.Bogdanov, V.G.Kononenko, M.A.Volosyuk, A.V.Volosyuk 4 530
- Volosyuk M.A.** – Relaxation of stress occurring in Cd–Ni diffusion zone with formation of intermetallic phase V.V.Bogdanov, V.G.Kononenko, M.A.Volosyuk, A.V.Volosyuk 4 530
- Vornovskikh A.A.** – Synthesis and characterization of branched gold nanoparticles T.G.Beynik, N.A.Matveevskaya, M.V.Dobrotvorskaya, A.S.Garbuz, D.Yu.Kosyanov, V.I.Vovna, A.A.Vornovskikh, S.I.Bogatyrenko 1 21
- Voronkin E.F.** – Increasing the resolving power of determining the point gamma-radiation source direction in the precision method A.N.Grigoryev, Z.V.Bilyk, Yu.V.Litvinov, N.E.Polyansky, A.V.Sakun, V.V.Marushchenko, I.Yu.Cherniavskiy, E.F.Voronkin, S.Yu.Petrukhin, S.V.Kasian 4 682
- Voronov A.P.** – Growth peculiarities of doped lithium dihydrogen phosphate single crystals from nonstoichiometric solution A.N.Iurchenko, A.P.Voronov, A.D.Roshal, S.I.Kryvonogov 2
- Vovk O.M.** – Abnormal enhancement of light output by cation mixing in  $\text{Zn}_x\text{Mg}_{1-x}\text{WO}_4$  nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zvereva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Vovk O.M.** – Influence of Ca and Mg doping on the microstructure and optical properties of YAG ceramics M.A.Chaika, O.M.Vovk, A.G.Doroshenko, V.K.Klochkov, P.V.Mateychenko, S.V.Parkhomenko, O.G.Fedorov 2 237
- Vovk R.** – Peculiarities of obtaining diamond-(Fe–Cu–Ni–Sn) composite materials by hot pressing E.Gevorkyan, V.Mechnik, N.Bondarenko, R.Vovk, S.Lytovchenko, V.Chishkala, O.Melnik 1 31
- Vovk R.V.** – Single-file diffusion in oxygen underdoped  $\text{ReBa}_2\text{Cu}_3\text{O}_{7-x}$  ( $\text{Re}=\text{Y}, \text{Ho}$ ) single crystals Y.I.Boiko, V.V.Bogdanov, R.V.Vovk, A.G.Ort, Yu.V.Litvinov 4 527
- Vovna V.I.** – Synthesis and characterization of branched gold nanoparticles T.G.Beynik, N.A.Matveevskaya, M.V.Dobrotvorskaya, A.S.Garbuz, D.Yu.Kosyanov, V.I.Vovna, A.A.Vornovskikh, S.I.Bogatyrenko 1 21
- Wang Hui** – The experimental research on axial compression performance of concrete-filled steel square tube strengthened by internal transverse stiffened bars Nan Li, Lai Wang, Yajun Xi, Hui Wang, Tong Guan, Dong, Changfeng Sui, Wenbin Cui 3 427
- Wang Hui** – Nonlinear analysis of concrete-filled steel square tube strengthened by internal transverse stiffened bars under axial compression Nan Li, Lai Wang, Yajun Xi, Tong Guan, Hui Wang, Furui Dong 3 451
- Wang Lai** – The experimental research on axial compression performance of concrete-filled steel square tube strengthened by internal transverse stiffened bars Nan Li, Lai Wang, Yajun Xi, Hui Wang, Tong Guan, Dong, Changfeng Sui, Wenbin Cui 3 427
- Wang Lai** – Nonlinear analysis of concrete-filled steel square tube strengthened by internal transverse stiffened bars under axial compression Nan Li, Lai Wang, Yajun Xi, Tong Guan, Hui Wang, Furui Dong 3 451

- Wang Lie-long** – The analysis of the defects on the surface of galvanized steel structures Lie-long Wang, Liang-liang Zhou 2 261
- Wang Qian** – New method for estimating the grounding reliability test of aircraft cable shield Hongxu Zhao, Geng Zhang, Yongyun Wang, Qian Wang 1 184
- Wang Xinquan** – Formulation of structured bounding surface model with a destructure law for natural soft clay Yunliang Cui, Xinquan Wang, Shiming Zhang 4 628
- Wang Ya-nan** – The study on permeability ratio curve of polymer/SAA binary system and two-phase of viscous crude Ya-nan Wang, Ji-hong Zhang 4 615
- Wang Yongyun** – New method for estimating the grounding reliability test of aircraft cable shield Hongxu Zhao, Geng Zhang, Yongyun Wang, Qian Wang 1 184
- Wang Zheng** – Data processing system of continuous temperature measurement for liquid steel Xianzhang Feng, Junwei Cheng, Zheng Wang, Yanmei Cui, Yongqiang Wei, Junxing Hou, Zhiqiang Jiang 2 285
- Wang** – Structural and optical study of ZnS thin films prepared by radio frequency magnetron sputtering at different substrate temperatures Le Kong, Jinxiang Deng, Liang Chen, Zhen Shen, Wang 4 541
- Wang** – Mechanical properties and energy dissipation of rock under acid corrosion and coupled static-dynamic loads Liu Yong-sheng, Li Jin, Zou Jia-yu, Wu Qin-lan, Wang 4 607
- Wei Yongqiang** – Data processing system of continuous temperature measurement for liquid steel Xianzhang Feng, Junwei Cheng, Zheng Wang, Yanmei Cui, Yongqiang Wei, Junxing Hou, Zhiqiang Jiang 2 285
- Weizhi Dong** – Investigation of the effect of water content and degree of compaction on the shear strength of clay soil material Zhang Huzhu, Liu Hanbing, Wang Jing, Dong Weizhi 2 290
- Wenping Cao** – Study of biofilms based on filamentous bamboo for surface water bioremediation Zhang Huifang, Cao Wenping, Sun Ling, Liu Hanhu 4 699
- Wu Qiulan** – Sensitivity analysis and proportioning design of rock burst similar materials Yongsheng Liu, Jin Li, Qiulan Wu, Wang Liu 3 496
- Xi Yajun** – The experimental research on axial compression performance of concrete-filled steel square tube strengthened by internal transverse stiffened bars Nan Li, Lai Wang, Yajun Xi, Hui Wang, Tong Guan, Dong, Changfeng Sui, Wenbin Cui 3 427
- Xi Yajun** – Nonlinear analysis of concrete-filled steel square tube strengthened by internal transverse stiffened bars under axial compression Nan Li, Lai Wang, Yajun Xi, Tong Guan, Hui Wang, Furui Dong 3 451
- Xiang-yu Shen** – Study on cutting performance and tool wear of micro-textured tool for milling Ti6Al4V Shen Xiang-yu, Guo Xu-hong, Deng Da-song, Lu Li-li, Chen Ya-dong 3 501
- Xiaoqin Guo** – Study of precision forging technology for complicated high strength aluminum alloy part Junwei Cheng, Xianzhang Feng, Li Sizhong, Guo Xiaoqin, Xia Juchen 1 56
- Xie Haiming** – The research of the drilling pipe's small-scale mode used in acoustic telemetry while drilling Haiming Xie, Jing Zhou, Feng Zhang 1 117
- Xu-hong Guo** – Study on cutting performance and tool wear of micro-textured tool for milling Ti6Al4V Shen Xiang-yu, Guo Xu-hong, Deng Da-song, Lu Li-li, Chen Ya-dong 3 501
- xueying Song** – Research of the properties of renewable energy sources with battery electrode from new materials Song xueying, Tan zhongfu, Li huanhuan 4 692
- Ya-dong Chen** – Study on cutting performance and tool wear of micro-textured tool for milling Ti6Al4V Shen Xiang-yu, Guo Xu-hong, Deng Da-song, Lu Li-li, Chen Ya-dong 3 501
- Yakubovskaya A.G.** – Abnormal enhancement of light output by cation mixing in  $Zn_xMg_{1-x}WO_4$  nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zvereva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Yanchevsky L.K.** – Calorimetric study on relaxation characteristics of epoxy polymers O.S.Tulzhenkova, T.G.Sichkar, L.K.Yanchevsky, A.M.Shut 4 673
- Ye Fang** – Fabrication and mechanical performance of 3D woven basalt fiber composite materials Lihua Lv, Xuefei Zhang, Fang Ye, Yongfang Qian, Zhao, Guibin Liu 1 76
- Ye Zhang** – Poly(lactic acid) scaffolds modified by gelatin for the controlled release of tetrandrine *in vitro* Zhang Ye 4 660
- Yefimova S.L.** –  $GdVO_4:Eu^{3+}$  nanoparticles – embedded  $CaCO_3$  55D microspheres: synthesis and characterization I.I.Bespalova, S.L.Yefimova, T.N.Tkacheva, K.A.Hubenko, A.V.Sorokin, P.V.Mateychenko 3 393
- Yefimova S.L.** – Using cyanine dye J-aggregates as luminescence probe for nanostructured media A.V. Sorokin, I.Yu. Ropakova, I.A. Borovoy, I.I. Bespalova, S.L. Yefimova 3 388
- Yermolenko I.Yu.** – Internal stresses and magnetic properties of Fe-Co electrolytic coatings V.O.Proskurina, I.Yu.Yermolenko, S.I.Zyubanova, I.G.Shipkova, B.A.Avrachenko, Yu.I.Sachanova 3 420
- Yevych Y.** – Effect of fluorine addition on the structure and properties of high-porous glass ceramics applicable for reconstructive surgery O.Sych, A.Iatsenko, H.Tovstonoh, T.Tomila, Y.Yevych 1 46
- Yong-sheng Liu** – Mechanical properties and energy dissipation of rock under acid corrosion and coupled static-dynamic loads Liu Yong-sheng, Li Jin, Zou Jia-yu, Wu Qin-lan, Wang 4 607

- Yurchenko O.I.** – On some features of low-temperature mixed crystallization of CsI solutions obtained from industrial wastes A.Yu.Boyarintsev, V.L.Cherginets, T.V.Ponomarenko, T.P.Rebrova, A.G.Varich, E.Yu.Brlyeva, E.M.Koryakina, T.V.Sheina, V.V.Varchenko, O.I.Yurchenko 4 640
- Zabolotnyy M.A.** – Electron-conformational rearrangement in nanocomposites films of poly-*N*-epoxypropylcarbazole with fullerenes C<sub>60</sub> O.P.Olasyuk, O.P.Dmytrenko, M.P.Kulich, M.A.Zabolotnyy, H.Y.Borodina, T.O.Busko 4 563
- Zahaiko I.V.** – Formation of porous zinc nanosystems using direct and reverse flows of DC magnetron sputtering V.M.Latyshev, V.I.Perekrestov, A.S.Kornyushchenko, I.V.Zahaiko 1 154
- Zakharov A.V.** – Development of new compositions of ceramic masses in SrO–Al<sub>2</sub>O<sub>3</sub>–SiO<sub>2</sub> system G.V.Lisachuk, R.V.Kryvobok, A.V.Zakharov, E.V.Chefranov, L.N.Lisachuk 1 162
- Zatovsky I.V.** – Formation of complex phosphates K<sub>2</sub>M<sup>III</sup>Sn(PO<sub>4</sub>)<sub>3</sub> from solutions in melts under crystallization conditions I.V.Zatovsky, N.S.Slobodyanik, T.I.Ushchapivska, W.Han 2 298
- Zhang Feng** – The research of the drilling pipe's small-scale mode used in acoustic telemetry while drilling Haiming Xie, Jing Zhou, Feng Zhang 1 117
- Zhang Geng** – New method for estimating the grounding reliability test of aircraft cable shield Hongxu Zhao, Geng Zhang, Yongyun Wang, Qian Wang 1 184
- Zhang Haibin** – Preparation and characterization of mortar mixes containing organic acid/expanded vermiculite composite PCM Xinzhong Zhang, Weizhun Jin, Yajun Lv, Haibin Zhang, Weibing Zhou, Fangyi Ding 3 481
- Zhang Ji-hong** – The study on permeability ratio curve of polymer/SAA binary system and two-phase of viscous crude Ya-nan Wang, Ji-hong Zhang 4 615
- Zhang Shiming** – Formulation of structured bounding surface model with a destructure law for natural soft clay Yunliang Cui, Xinquan Wang, Shiming Zhang 4 628
- Zhang Xinzhong** – Preparation and characterization of mortar mixes containing organic acid/expanded vermiculite composite PCM Xinzhong Zhang, Weizhun Jin, Yajun Lv, Haibin Zhang, Weibing Zhou, Fangyi Ding 3 481
- Zhang Xuefei** – Fabrication and mechanical performance of 3D woven basalt fiber composite materials Lihua Lv, Xuefei Zhang, Fang Ye, Yongfang Qian, Zhao, Guibin Liu 1 76
- Zhao** – Fabrication and mechanical performance of 3D woven basalt fiber composite materials Lihua Lv, Xuefei Zhang, Fang Ye, Yongfang Qian, Zhao, Guibin Liu 1 76
- Zhao Hongxu** – New method for estimating the grounding reliability test of aircraft cable shield Hongxu Zhao, Geng Zhang, Yongyun Wang, Qian Wang 1 184
- Zheng Wen-Zhong** – Experimental study on mechanical behavior of RPC circular columns confined by high-strength stirrups under axial compression Ming-Yang Chen, Wen-Zhong Zheng, Xiao-Meng Hou 1 82
- Zhmurin P.N.** – The plastic scintillator activated with fluorinated 3-hydroxyflavone Yu.A.Gurkalenko, D.A.Eliseev, P.N.Zhmurin, V.N.Pereymak, O.V.Svidlo 2 244
- Zhmurin P.N.** – The plastic scintillator for n/γ-discrimination with alkyl-substituted PPO derivative. P.N.Zhmurin, D.A.Eliseev, V.N.Pereymak, O.V.Svidlo, Yu.A.Gurkalenko 3 476
- zhongfu Tan** – Research of the properties of renewable energy sources with battery electrode from new materials Song xueying, Tan zhongfu, Li huanhuan 4 692
- Zhou Jing** – The research of the drilling pipe's small-scale mode used in acoustic telemetry while drilling Haiming Xie, Jing Zhou, Feng Zhang 1 117
- Zhou Liang-liang** – The analysis of the defects on the surface of galvanized steel structures Lie-long Wang, Liang-liang Zhou 2 261
- Zhou Weibing** – Preparation and characterization of mortar mixes containing organic acid/expanded vermiculite composite PCM Xinzhong Zhang, Weizhun Jin, Yajun Lv, Haibin Zhang, Weibing Zhou, Fangyi Ding 3 481
- Zvereva V.S.** – Abnormal enhancement of light output by cation mixing in Zn<sub>x</sub>Mg<sub>1-x</sub>WO<sub>4</sub> nanocrystals I.A.Tupitsyna, P.O.Maksimchuk, A.G.Yakubovskaya, A.M.Dubovik, V.V.Seminko, V.S.Zvereva, O.G.Trubaeva, K.O.Hubenko, O.M.Vovk, Y.V.Malyukin 1 16
- Zyubanova S.I.** – Internal stresses and magnetic properties of Fe-Co electrolytic coatings V.O.Proskurina, I.Yu.Yermolenko, S.I.Zyubanova, I.G.Shipkova, B.A.Avrachenko, Yu.I.Sachanova 3 420