

Konstantin A Kokh

List of Publications by Year in descending order

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154
papers

3,306
citations

159585

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50
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155
all docs

155
docs citations

155
times ranked

3634
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of the Dirac Point Band Gap in the Antiferromagnetic Topological Insulator MnBi ₂ Te ₄ due to the Surface Potential Gradient Change. Journal of Experimental and Theoretical Physics, 2022, 134, 103-111.	0.9	9
2	Synthesis and Growth of Rare Earth Borates NaSrR(BO ₃) ₂ (R = Ho, Lu, Y, Sc). Inorganic Chemistry, 2022, 61, 7497-7505.	4.0	6
3	Effect of Rashba splitting on ultrafast carrier dynamics in BiTeI. Physical Review B, 2021, 103, .	3.2	2
4	Growth of Bi ₂ Se ₃ /graphene heterostructures with the room temperature high carrier mobility. Journal of Materials Science, 2021, 56, 9330-9343.	3.7	9
5	Profiling spin and orbital texture of a topological insulator in full momentum space. Physical Review B, 2021, 103, .	3.2	7
6	Optical Phonon Spectrum of the Ge ₂ Sb ₂ Te ₅ Single Crystal. JETP Letters, 2021, 113, 651-656.	1.4	1
7	Tunable non-integer high-harmonic generation in a topological insulator. Nature, 2021, 593, 385-390.	27.8	98
8	Sequential crystallization of four phases from melt on the polythermal section of the Cu-Fe-Ni-S system. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3377-3382.	3.6	2
9	Electrochemically exfoliated thin Bi ₂ Se ₃ films and van der Waals heterostructures Bi ₂ Se ₃ /graphene. Nanotechnology, 2020, 31, 125602.	2.6	7
10	New gold chalcogenides in the Au-Te-Se system. Journal of Physics and Chemistry of Solids, 2020, 138, 109276.	4.0	7
11	Energy-Gap Opening Near the Dirac Point after the Deposition of Cobalt on the (0001) Surface of the Topological Insulator BiSbTeSe ₂ . Semiconductors, 2020, 54, 1051-1055.	0.5	3
12	Tunable 3D/2D magnetism in the (MnBi ₂ Te ₄)(Bi ₂ Te ₃) _m topological insulators family. Npj Quantum Materials, 2020, 5, .	5.2	138
13	Study of structural and electronic properties of a topological insulator Bi _{1.1} Sb _{0.9} Te ₂ S. AIP Conference Proceedings, 2020, , .	0.4	0
14	Topologically Nontrivial Phase-Change Compound GeSb ₂ Te ₄ . ACS Nano, 2020, 14, 9059-9065.	14.6	15
15	Obtaining of luminescent material based on NaBaY(BO ₃) ₂ doped with terbium and europium ions. Chemical Bulletin of Kazakh National University, 2020, , 10-15.	0.1	0
16	Magnetic-impurity-induced modifications to ultrafast carrier dynamics in the ferromagnetic topological insulators Sb ₂ VTe ₃ . New Journal of Physics, 2019, 21, 093006.	2.9	13
17	Bidirectional surface photovoltage on a topological insulator. Physical Review B, 2019, 100, .	3.2	11
18	Magnetic and Electronic Properties of Gd-Doped Topological Insulator Bi _{1.09} Gd _{0.06} Sb _{0.85} Te ₃ . Journal of Experimental and Theoretical Physics, 2019, 129, 404-412.	0.9	15

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19	Dielectric correlation determining correlated plasmons in Sb-doped Bi_2Te_3 topological insulator. Physical Review B, 2019, 100, 041407.	3.2	5
20	Synthetic Gold Chalcogenides in the AuTeSeS System and Their Natural Analogs. Doklady Earth Sciences, 2019, 487, 929-934.	0.7	10
21	Inverted Dirac-electron population for broadband lasing in a thermally activated p -type topological insulator. Physical Review B, 2019, 99, .	3.2	7
22	Dirac gap opening and Dirac-fermion-mediated magnetic coupling in antiferromagnetic Gd-doped topological insulators and their manipulation by synchrotron radiation. Scientific Reports, 2019, 9, 4813.	3.3	22
23	Structural and vibrational properties of PVT grown BiTeCl microcrystals. Materials Research Express, 2019, 6, 045912.	1.6	9
24	Ultrafast dynamics of an unoccupied surface resonance state in Bi ₂ Te ₂ Se. Physical Review B, 2018, 97, .	3.2	4
25	Systematics of electronic and magnetic properties in the transition metal doped $Sb_{2-x}Te_3$ quantum anomalous Hall platform. Physical Review B, 2018, 97, .	3.2	11
26	A Study of the Crystal Structure of Co ₄₀ Fe ₄₀ B ₂₀ Epitaxial Films on a Bi ₂ Te ₃ Topological Insulator. Technical Physics Letters, 2018, 44, 184-186.	0.7	5
27	Landau Level Broadening in the Three-Dimensional Topological Insulator Sb_2Te_3 . Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800112.	2.4	1
28	XPS and Ag L ₃ -edge XANES characterization of silver and silver-gold sulfoselenides. Journal of Physics and Chemistry of Solids, 2018, 116, 292-298.	4.0	16
29	Subcycle observation of lightwave-driven Dirac currents in a topological surface band. Nature, 2018, 562, 396-400.	27.8	154
30	Origin of spin-polarized photocurrents in the topological surface states of Bi_2Te_3 . Physical Review B, 2018, 98, .	3.2	13
31	Anomalous Behavior of the Elastic and Optical Properties in $Bi_{1.5}Sb_{0.5}Te_{1.8}Se_{1.2}$ Topological Insulator Induced by Point Defects. Physica Status Solidi (B): Basic Research, 2018, 255, 1800264.	1.5	5
32	Topological states induced by local structural modification of the polar BiTeI(0001) surface. New Journal of Physics, 2018, 20, 063035.	2.9	3
33	Enhanced photovoltage on the surface of topological insulator via optical aging. Applied Physics Letters, 2018, 112, .	3.3	12
34	Shubnikov-de Haas oscillations in p - and n -type topological insulator (Bi _x) ₂ Te ₃ . Physical Review B, 2018, 30, 265001.	1.8	8
35	Crystalline structure and magnetic properties of structurally ordered cobalt-iron alloys grown on Bi-containing topological insulators and systems with giant Rashba splitting. CrystEngComm, 2018, 20, 3419-3427.	2.6	13
36	Remote Imaging by Nanosecond Terahertz Spectrometer with Standoff Detector. Russian Physics Journal, 2018, 60, 1638-1643.	0.4	3

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37	Electronic and spin structure of the wide-band-gap topological insulator: Nearly stoichiometric Bi ₂ Te ₂ S. Physical Review B, 2018, 97, .	3.2	15
38	Impact of Ultrathin Pb Films on the Topological Surface and Quantum-Well States of Bi ₂ Se ₃ and Sb ₂ Te ₃ Topological Insulators. Journal of Experimental and Theoretical Physics, 2018, 126, 535-540.	0.9	6
39	Signatures of in-plane and out-of-plane magnetization generated by synchrotron radiation in magnetically doped and pristine topological insulators. Physical Review B, 2018, 97, .	3.2	16
40	Enhanced surface state protection and band gap in the topological insulator PbBi_4Te_4 . Physical Review Materials, 2018, 2, .	2.4	5
41	Anomalous large gap and induced out-of-plane spin polarization in magnetically doped 2D Rashba system: V-doped BiTe. 2D Materials, 2017, 4, 025055.	4.4	10
42	Growth and Optical Properties of Li _x Na _{1-x} Ba ₁₂ (BO ₃) ₇ F ₄ Fluoride Borates with Antizeolite Structure. Inorganic Chemistry, 2017, 56, 5411-5419.		25
43	Spin-resolved band structure of heterojunction Bi-bilayer/3D topological insulator in the quantum dimension regime in annealed Bi ₂ Te _{2.4} Se _{0.6} . Scientific Reports, 2017, 7, 45797.	3.3	9
44	Down-converters with doped solid solution crystals GaSe _{1-x} S _x for THz spectrometry. , 2017, , .		0
45	Growth of the complex borates Y _x R _y Sc _{2+z} (BO ₃) ₄ (R = Nd, Pr, x+y+z = 2) with huntite structure. Crystal Research and Technology, 2017, 52, 1600371.	1.3	9
46	Prolonged duration of nonequilibrated Dirac fermions in neutral topological insulators. Scientific Reports, 2017, 7, 14080.	3.3	27
47	The 2011 strong fire eruption of Shikhzarli mud volcano, Azerbaijan: a case study with implications for methane flux estimation. Environmental Earth Sciences, 2017, 76, 1.	2.7	10
48	Geometric and electronic structure of the Cs-doped Bi ₂ Te ₂ (0001) surface. Physical Review B, 2017, 95, .		
49	Ultrafast energy- and momentum-resolved surface Dirac photocurrents in the topological insulator Sb ₂ Te ₃ . Physical Review B, 2017, 95, .	3.2	36
50	The application of Raman spectroscopy to djerfisherite identification. Journal of Raman Spectroscopy, 2017, 48, 1574-1582.	2.5	17
51	Visible and invisible forms of gold and silver in the crystallization products of melts in the Fe-Ag-Au system: experimental data. Doklady Earth Sciences, 2017, 474, 636-640.	0.7	4
52	Giant Magnetic Band Gap in the Rashba-Split Surface State of Vanadium-Doped BiTe: A Combined Photoemission and Ab Initio Study. Scientific Reports, 2017, 7, 3353.	3.3	14
53	High-resolution terahertz spectrometer with up to 110 m single-pass base. , 2016, , .		2
54	The crystal structure of uytenbogaardtite, Ag ₃ AuS ₂ , and its relationships with gold and silver sulfides-selenides. Mineralogical Magazine, 2016, 80, 1031-1040.	1.4	7

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55	Out-of-plane polarization induced in magnetically-doped topological insulator Bi _{1.37} V _{0.03} Sb _{0.6} Te ₂ Se by circularly polarized synchrotron radiation above a Curie temperature. Applied Physics Letters, 2016, 109, 222404.	3.3	12
56	Specific features of the electronic, spin, and atomic structures of a topological insulator Bi ₂ Te _{2.4} Se _{0.6} . Physics of the Solid State, 2016, 58, 779-787.	0.6	5
57	Mapping the effect of defect-induced strain disorder on the Dirac states of topological insulators. Physical Review B, 2016, 94, .	3.2	10
58	Superparamagnetism-induced mesoscopic electron focusing in topological insulators. Physical Review B, 2016, 94, .	3.2	12
59	Surface spin-polarized currents generated in topological insulators by circularly polarized synchrotron radiation and their photoelectron spectroscopy indication. Physics of the Solid State, 2016, 58, 1675-1686.	0.6	15
60	Optical properties and electronic structure of BiTeCl and BiTeBr compounds. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2016, 121, 364-370.	0.6	8
61	Photoelectron spin polarization in the topological insulator: Initial- and final-state effects in the photoemission process. Physical Review B, 2016, 93, .	3.2	13
62	Energetic and Spatial Mapping of Resonant Electronic Excitations. Journal of Physical Chemistry C, 2016, 120, 13843-13849.	3.1	7
63	Dual nature of magnetic dopants and competing trends in topological insulators. Nature Communications, 2016, 7, 12027.	12.8	67
64	Spin-texture inversion in the giant Rashba semiconductor BiTeI. Nature Communications, 2016, 7, 11621.	12.8	78
65	Effect of doping on the mechanical properties of nonlinear GaSe crystals. Russian Metallurgy (Metally), 2016, 2016, 918-923.	0.5	3
66	Isomorphism and solid solutions among Ag- and Au-selenides. Journal of Solid State Chemistry, 2016, 241, 157-163.	2.9	8
67	Scattering properties of the three-dimensional topological insulator Sb ₂ Te ₃ . Coexistence of topologically trivial and nontrivial surface states with opposite spin-momentum helicity. Physical Review B, 2016, 93, .	3.2	9
68	Sulfur-selenium isomorphous substitution in the AgAu(S,Se) series. Journal of Alloys and Compounds, 2016, 664, 385-391.	5.5	8
69	Plasma-Wave Terahertz Detection Mediated by Topological Insulators Surface States. Nano Letters, 2016, 16, 80-87.	9.1	131
70	Termination-dependent surface properties in the giant-Rashba semiconductors BiTeX. Physical Review B, 2016, 93, .	3.2	21
71	Dispersion properties of sulfur doped gallium selenide crystals studied by THz TDS. Optics Express, 2015, 23, 32820.	3.4	9
72	Optical rectification and down-conversion of fs pulses into mid-IR and THz range in GaSe _{1-x} Sx. , 2015, , .		1

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73	Modification and ab-initio spectroscopic application of modified commerce terahertz spectrometer by using homemade parts. , 2015, , .		0
74	Doped GaSe crystals for laser frequency conversion. Light: Science and Applications, 2015, 4, e362-e362.	16.6	75
75	Direct measurement of the bulk spin structure of noncentrosymmetric BiTeCl. Physical Review B, 2015, 91, .	3.2	13
76	Experimental constraints on gold and silver solubility in iron sulfides. Journal of Alloys and Compounds, 2015, 649, 67-75.	5.5	15
77	Role of anisotropy and spin-orbit interaction in the optical and dielectric properties of BiTeI and BiTeCl compounds. JETP Letters, 2015, 101, 507-512.	1.4	12
78	Systematics of Molecular Self-Assembled Networks at Topological Insulators Surfaces. Nano Letters, 2015, 15, 2442-2447.	9.1	35
79	Sulfur- ⁶³ selenium isomorphous substitution and polymorphism in the Ag ₂ (S,Se) series. Journal of Alloys and Compounds, 2015, 639, 89-93.	5.5	10
80	Ga ₂ S ₃ : Optical properties and perspectives for THz applications. , 2015, , .		4
81	LBO: optical properties and potential for THz application. Laser Physics Letters, 2015, 12, 115402.	1.4	14
82	Optical properties of BiTeI semiconductor with a strong Rashba spin-orbit interaction. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2014, 117, 764-768.	0.6	12
83	Absorption anisotropy in sulfur doped gallium selenide crystals studied by THz-TDS. Optical Materials Express, 2014, 4, 2451.	3.0	26
84	Solid solution GaSe _{1-x} S _x crystals for THz applications. , 2014, , .		1
85	Dynamics of the BiTeI lattice at high pressures. JETP Letters, 2014, 98, 557-561.	1.4	22
86	Electronic and spin structure of the topological insulator Bi ₂ Te ₃ $\text{Bi}_{2-x}\text{Te}_{3+x}$ $\text{Bi}_{2.4}\text{Te}_{3.6}$	3.2	35
87	Optimal Doping of GaSe Crystals for Nonlinear Optics Applications. Russian Physics Journal, 2014, 56, 1250-1257.	0.4	5
88	GaSe:Er ³⁺ crystals for SHG in the infrared spectral range. Optics Communications, 2014, 318, 205-211.	2.1	24
89	Dispersion properties of GaS studied by THz-TDS. CrystEngComm, 2014, 16, 1995.	2.6	14
90	Characterization of optical quality of GaSe:Al crystals by exciton absorption peak parameters. Journal of Materials Science: Materials in Electronics, 2014, 25, 1757-1760.	2.2	8

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91	Synthesis and crystal structure of silver-gold sulfide AgAuS. Four-fold interpenetrated three-dimensional [(Au,Ag)10S8]-networks. CrystEngComm, 2014, 16, 1675.	2.6	15
92	Limiting pump intensity for sulfur-doped gallium selenide crystals. Laser Physics Letters, 2014, 11, 055401.	1.4	29
93	Melt growth of bulk Bi_2Te_3 crystals with a natural p-n junction. CrystEngComm, 2014, 16, 581-584.	2.6	53
94	Microstructural and vibrational properties of PVT grown Sb_2Te_3 crystals. Solid State Communications, 2014, 177, 16-19.	1.9	70
95	Signatures of Dirac fermion-mediated magnetic order. Nature Communications, 2014, 5, 5349.	12.8	67
96	Defect and structural imperfection effects on the electronic properties of BiTe surfaces. New Journal of Physics, 2014, 16, 075013.	2.9	23
97	Tuning the Dirac Point Position in Bi_2Te_3 Crystals. Laser Physics Letters, 2014, 11, 116802.	1.4	29
98	The gigantic Rashba effect of surface states energetically buried in the topological insulator $\text{Bi}_2\text{Te}_2\text{Se}$. New Journal of Physics, 2014, 16, 065016.	2.9	11
99	Probing the Electronic Properties of Individual MnPc Molecules Coupled to Topological States. Nano Letters, 2014, 14, 5092-5096.	9.1	35
100	Defects in GaSe grown by Bridgman method. Journal of Microscopy, 2014, 256, 208-212.	1.8	21
101	Impact of fs and ns pulses on indium and sulfur doped gallium selenide crystals. AIP Advances, 2014, 4, .	1.3	25
102	Electron dynamics of unoccupied states in topological insulators. Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 258-262.	1.7	20
103	Unoccupied topological surface state in Bi_2Te_3 . Physical Review B, 2013, 88, .	3.2	21
104	Synthesis and crystal structure of gold-silver sulfoselenides: morphotropy in the $\text{Ag}_3\text{Au}(\text{Se},\text{S})_2$ series. Physics and Chemistry of Minerals, 2013, 40, 229-237.	0.8	7
105	Intensive terahertz emission from $\text{GaSe}_{0.91}\text{S}_{0.09}$ under collinear difference frequency generation. Applied Physics Letters, 2013, 103, .	3.3	31
106	Visualizing spin-dependent bulk scattering and breakdown of the linear dispersion relation in Bi_2Te_3 . Physical Review B, 2013, 88, .	3.2	34
107	Circular Dichroism and Superdiffusive Transport at the Surface of BiTe. Physical Review Letters, 2013, 111, 126603.	7.8	11
108	Snapshots of Dirac Fermions near the Dirac Point in Topological Insulators. Nano Letters, 2013, 13, 5797-5802.	9.1	78

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109	Interaction of high intensity optical pulses with modified nonlinear GaSe crystals. , 2013, , .		4
110	Bulk and surface Rashba splitting in single termination BiTeCl. New Journal of Physics, 2013, 15, 085022.	2.9	60
111	GaSe damage threshold under IR pulse pumping. Proceedings of SPIE, 2013, , .	0.8	1
112	Characterization of Bridgman grown GaSe:Al crystals. CrystEngComm, 2013, 15, 6323.	2.6	30
113	Optimal doping of GaSe with isovalent elements. Proceedings of SPIE, 2013, , .	0.8	5
114	Growth and microstructure of heterogeneous crystal GaSe:InS. CrystEngComm, 2013, 15, 1365.	2.6	18
115	Optical properties of non-linear crystal grown from the melt GaSe ϵ AgGaSe ϵ 2. Optics Communications, 2013, 287, 145-149.	2.1	12
116	Terahertz time-domain spectroscopy for textile identification. Applied Optics, 2013, 52, 4433.	1.8	23
117	Nanointervention into crystal flatland. III. Crystal growth and micromorphology of cleaved GaSe(001) surface. , 2012, , .		0
118	Inertness and degradation of (0001) surface of Bi ϵ 2Se ϵ 3 topological insulator. Journal of Applied Physics, 2012, 112, .	2.5	57
119	Unoccupied topological states on bismuth chalcogenides. Physical Review B, 2012, 86, .	3.2	60
120	Formation of gold ϵ silver sulfides and native gold in Fe ϵ Ag ϵ Au ϵ S system. Russian Geology and Geophysics, 2012, 53, 347-355.	0.7	15
121	Lattice dynamics of bismuth tellurohalides. Physical Review B, 2012, 86, .	3.2	42
122	Dynamic control over the heat field during LBO crystal growth by High temperature solution method. Journal of Crystal Growth, 2012, 360, 158-161.	1.5	13
123	Topological Surface States with Persistent High Spin Polarization across the Dirac Point in $\langle \text{mml:math display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Bi} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Te} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 84$ $\langle \text{mml:math display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Bi} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Se} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 84$ Physical Review Letters, 2012, 109, 166802.	7.8	84
124	Vibrations in binary and ternary topological insulators: First-principles calculations and Raman spectroscopy measurements. Physical Review B, 2012, 86, .	3.2	78
125	Structural and vibrational properties of PVT grown Bi ϵ 2Te ϵ 3 microcrystals. Solid State Communications, 2012, 152, 1119-1122.	1.9	44
126	Preparation of double Y-Sc orthoborates by means of mechanical activation. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 355-358.	0.6	0

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127	Growth of potassium titanyl phosphate crystals using polyphosphate solvents with WO ₃ additions. Inorganic Materials, 2012, 48, 391-396.	0.8	0
128	Stability of (0001) Bi ₂ Te ₃ surface. , 2011, , .		0
129	Formation of gold and silver sulfides in the system Ag-Au-S. Russian Geology and Geophysics, 2011, 52, 443-449.	0.7	20
130	Formation of Inert Bi ₂ Se ₃ (0001) Cleaved Surface. Crystal Growth and Design, 2011, 11, 5507-5514.	3.0	112
131	Thermal conductivity and heat capacity of $\hat{1}\pm$ - and $\hat{1}^2$ -BaB ₂ O ₄ single crystals. Inorganic Materials, 2011, 47, 163-166.	0.8	13
132	Stability of the (0001) surface of the Bi ₂ Se ₃ topological insulator. JETP Letters, 2011, 94, 465-468.	1.4	20
133	Phase formation in the BaB ₂ O ₄ -NaBO ₂ -MBO ₃ (M = Sc, La, Y) system and new orthoborate ScBaNa(BO ₃) ₂ . Russian Journal of Inorganic Chemistry, 2011, 56, 113-117.	1.3	7
134	Formation of gold and silver sulfides from melts in the Ag-Au-S system: Experimental data. Doklady Earth Sciences, 2011, 436, 42-46.	0.7	7
135	Synthesis and Crystal Structure of the Trigonal Silver(I) Dithioaurate(I), Ag ₃ AuS ₂ . Crystal Growth and Design, 2011, 11, 1062-1066.	3.0	17
136	Dispersion properties of GaSe _{1-x} S _x in the terahertz range. Journal of Applied Spectroscopy, 2011, 77, 850-856.	0.7	16
137	Phase matching for the second harmonic generation in GaSe crystals. Russian Physics Journal, 2011, 53, 1235-1242.	0.4	2
138	Czochralski growth of $\hat{1}\pm$ -BBO crystals under azimuthally anisotropic heating. Journal of Crystal Growth, 2011, 317, 1-3.	1.5	3
139	Growth of GaSe and GaS single crystals. Crystal Research and Technology, 2011, 46, 327-330.	1.3	45
140	AgGaS ₂ - and Al-doped GaSe Crystals for IR Applications. Optics Communications, 2011, 284, 1677-1681.	2.1	39
141	Development of the $\hat{1}^2$ -BaB ₂ O ₄ crystal growth technique in the heat field of three-fold axis symmetry. Journal of Crystal Growth, 2011, 318, 602-605.	1.5	12
142	Structural characterization of pure and doped GaSe by nonlinear optical method. Journal of Crystal Growth, 2011, 318, 1164-1166.	1.5	22
143	Directional solidification of xAg ₂ S(1-x)Ga ₂ S ₃ Melts and the proof of the non-quasi-binary character of the Ag ₂ S-Ga ₂ S ₃ join. Russian Journal of Inorganic Chemistry, 2010, 55, 269-273.	1.3	1
144	Growth of high quality large size LBO crystals for high energy second harmonic generation. Journal of Crystal Growth, 2010, 312, 1774-1778.	1.5	52

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145	Synthesis and crystal structure of new layered BaNaSc(BO ₃) ₂ and BaNaY(BO ₃) ₂ orthoborates. Journal of Solid State Chemistry, 2010, 183, 1200-1204.	2.9	21
146	Oriented crystallization of AgGaS ₂ from the melt system Ag-Ga-S. Inorganic Materials, 2009, 45, 1217-1221.	0.8	3
147	Control over the symmetry of the heat field in the station for growing LBO crystals by the Kyropoulos method. Instruments and Experimental Techniques, 2009, 52, 747-751.	0.5	7
148	Crystallization of AgGaS ₂ melts enriched with Ag ₂ S and Ga ₂ S ₃ . Crystal Research and Technology, 2008, 43, 409-412.	1.3	7
149	Numerical modeling of melt flows in vertical Bridgman configuration affected by a rotating heat field. Journal of Crystal Growth, 2007, 303, 253-257.	1.5	17
150	Melt-solution BBO crystal growth under change of the heat field symmetry and its rotation. Journal of Crystal Growth, 2005, 275, e669-e674.	1.5	21
151	Application of a rotating heat field in Bridgman-Stockbarger crystal growth. Journal of Crystal Growth, 2005, 275, e2129-e2134.	1.5	54
152	An Apparatus for Crystal Growth by the Hydrothermal Method under Rotating Heat Field Conditions. Instruments and Experimental Techniques, 2003, 46, 424-429.	0.5	1
153	Characterization of synthetic and natural gold chalcogenides by electron microprobe analysis, X-ray powder diffraction, and Raman spectroscopic methods. Journal of Raman Spectroscopy, 0, , .	2.5	6
154	Electronic Structure of Pb Adsorbed Surfaces of Intrinsic Magnetic Topological Insulators. Journal of Physical Chemistry Letters, 0, , 6628-6634.	4.6	3