

# Konstantin A Kokh

## List of Publications by Year in descending order

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154  
papers

3,306  
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159585

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155  
all docs

155  
docs citations

155  
times ranked

3634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subcycle observation of lightwave-driven Dirac currents in a topological surface band. Nature, 2018, 562, 396-400.	27.8	154
2	Tunable 3D/2D magnetism in the (MnBi <sub>2</sub> Te <sub>4</sub> )(Bi <sub>2</sub> Te <sub>3</sub> ) <sub>m</sub> topological insulators family. Npj Quantum Materials, 2020, 5, .	5.2	138
3	Plasma-Wave Terahertz Detection Mediated by Topological Insulators Surface States. Nano Letters, 2016, 16, 80-87.	9.1	131
4	Formation of Inert Bi <sub>2</sub> Se <sub>3</sub> (0001) Cleaved Surface. Crystal Growth and Design, 2011, 11, 5507-5514.	3.0	112
5	Tunable non-integer high-harmonic generation in a topological insulator. Nature, 2021, 593, 385-390.	27.8	98
6	Topological Surface States with Persistent High Spin Polarization across the Dirac Point in $\text{Bi}_2\text{Te}_3$ . Physical Review Letters, 2012, 109, 166802.	7.8	84
7	Vibrations in binary and ternary topological insulators: First-principles calculations and Raman spectroscopy measurements. Physical Review B, 2012, 86, .	3.2	78
8	Snapshots of Dirac Fermions near the Dirac Point in Topological Insulators. Nano Letters, 2013, 13, 5797-5802.	9.1	78
9	Spin-texture inversion in the giant Rashba semiconductor BiTeI. Nature Communications, 2016, 7, 11621.	12.8	78
10	Doped GaSe crystals for laser frequency conversion. Light: Science and Applications, 2015, 4, e362-e362.	16.6	75
11	Microstructural and vibrational properties of PVT grown Sb <sub>2</sub> Te <sub>3</sub> crystals. Solid State Communications, 2014, 177, 16-19.	1.9	70
12	Signatures of Dirac fermion-mediated magnetic order. Nature Communications, 2014, 5, 5349.	12.8	67
13	Dual nature of magnetic dopants and competing trends in topological insulators. Nature Communications, 2016, 7, 12027.	12.8	67
14	Unoccupied topological states on bismuth chalcogenides. Physical Review B, 2012, 86, .	3.2	60
15	Bulk and surface Rashba splitting in single termination BiTeCl. New Journal of Physics, 2013, 15, 085022.	2.9	60
16	Inertness and degradation of (0001) surface of Bi <sub>2</sub> Se <sub>3</sub> topological insulator. Journal of Applied Physics, 2012, 112, .	2.5	57
17	Application of a rotating heat field in Bridgman-Stockbarger crystal growth. Journal of Crystal Growth, 2005, 275, e2129-e2134.	1.5	54
18	Melt growth of bulk Bi <sub>2</sub> Te <sub>3</sub> crystals with a natural p-n junction. CrystEngComm, 2014, 16, 581-584.	2.6	53

#	ARTICLE	IF	CITATIONS
19	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
20	Growth of GaSe and GaS single crystals. Crystal Research and Technology, 2011, 46, 327-330.	1.3	45
21	Structural and vibrational properties of PVT grown Bi <sub>2</sub> Te <sub>3</sub> microcrystals. Solid State Communications, 2012, 152, 1119-1122.	1.9	44
22	Tuning the Dirac Point Position in $\text{Bi}_2\text{Te}_3$ Single Crystals. Nano Letters, 2014, 113, 116802.	3.2	41
23	Lattice dynamics of bismuth tellurohalides. Physical Review B, 2012, 86, .	3.2	42
24	Systematics of electronic and magnetic properties in the transition metal doped $\text{Sb}_2\text{Te}_3$ quantum anomalous Hall platform. Physical Review B, 2018, 97, .	3.2	42
25	AgGa <sub>2</sub> S <sub>3</sub> - and Al-doped GaSe Crystals for IR Applications. Optics Communications, 2011, 284, 1677-1681.	2.1	39
26	Ultrafast energy- and momentum-resolved surface Dirac photocurrents in the topological insulator $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2017, 95, .	3.2	36
27	Structural and vibrational properties of PVT grown $\text{Bi}_2\text{Te}_3$ microcrystals. Solid State Communications, 2012, 152, 1119-1122.	3.2	35
28	Probing the Electronic Properties of Individual MnPc Molecules Coupled to Topological States. Nano Letters, 2014, 14, 5092-5096.	9.1	35
29	Systematics of Molecular Self-Assembled Networks at Topological Insulators Surfaces. Nano Letters, 2015, 15, 2442-2447.	9.1	35
30	Visualizing spin-dependent bulk scattering and breakdown of the linear dispersion relation in $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2013, 88, .	3.2	34
31	Intensive terahertz emission from GaSe <sub>0.91</sub> S <sub>0.09</sub> under collinear difference frequency generation. Applied Physics Letters, 2013, 103, .	3.3	31
32	Characterization of Bridgman grown GaSe:Al crystals. CrystEngComm, 2013, 15, 6323.	2.6	30
33	Limiting pump intensity for sulfur-doped gallium selenide crystals. Laser Physics Letters, 2014, 11, 055401.	1.4	29
34	Prolonged duration of nonequilibrated Dirac fermions in neutral topological insulators. Scientific Reports, 2017, 7, 14080.	3.3	27
35	Absorption anisotropy in sulfur doped gallium selenide crystals studied by THz-TDS. Optical Materials Express, 2014, 4, 2451.	3.0	26
36	Impact of fs and ns pulses on indium and sulfur doped gallium selenide crystals. AIP Advances, 2014, 4, .	1.3	25

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37	Growth and Optical Properties of $\text{LiNaBa}_{12}(\text{BO}_3)_7\text{F}_4$ Fluoride Borates with Antizeolite-Structure. Inorganic Chemistry, 2017, 56, 5411-5419.		25
38	GaSe:Er <sup>3+</sup> crystals for SHG in the infrared spectral range. Optics Communications, 2014, 318, 205-211.	2.1	24
39	Terahertz time-domain spectroscopy for textile identification. Applied Optics, 2013, 52, 4433.	1.8	23
40	Defect and structural imperfection effects on the electronic properties of BiTe surfaces. New Journal of Physics, 2014, 16, 075013.	2.9	23
41	Structural characterization of pure and doped GaSe by nonlinear optical method. Journal of Crystal Growth, 2011, 318, 1164-1166.	1.5	22
42	Dynamics of the BiTe lattice at high pressures. JETP Letters, 2014, 98, 557-561.	1.4	22
43	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
44	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
45	Synthesis and crystal structure of new layered BaNaSc(BO <sub>3</sub> ) <sub>2</sub> and BaNaY(BO <sub>3</sub> ) <sub>2</sub> orthoborates. Journal of Solid State Chemistry, 2010, 183, 1200-1204.	2.9	21
46	Unoccupied topological surface state in $\text{Bi}_2\text{Te}_2\text{Se}$ . Physical Review B, 2013, 88, .	3.2	21
47	Defects in GaSe grown by Bridgman method. Journal of Microscopy, 2014, 256, 208-212.	1.8	21
48	Termination-dependent surface properties in the giant-Rashba semiconductors $\text{Bi}_2\text{Te}_3$ and $\text{Bi}_2\text{Se}_3$ .	3.2	21
49	Formation of gold and silver sulfides in the system Ag-Au-S. Russian Geology and Geophysics, 2011, 52, 443-449.	0.7	20
50	Stability of the (0001) surface of the Bi <sub>2</sub> Se <sub>3</sub> topological insulator. JETP Letters, 2011, 94, 465-468.	1.4	20
51	Electron dynamics of unoccupied states in topological insulators. Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 258-262.	1.7	20
52	Growth and microstructure of heterogeneous crystal GaSe:InS. CrystEngComm, 2013, 15, 1365.	2.6	18
53	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
54	Synthesis and Crystal Structure of the Trigonal Silver(I) Dithioaurate(I), $\text{Ag}_3\text{Au}_2$ . Crystal Growth and Design, 2011, 11, 1062-1066.	3.0	17

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55	The application of Raman spectroscopy to djerfisherite identification. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1574-1582.	2.5	17
56	Dispersion properties of GaSe <sub>1-x</sub> S <sub>x</sub> in the terahertz range. <i>Journal of Applied Spectroscopy</i> , 2011, 77, 850-856.	0.7	16
57	XPS and Ag L3-edge XANES characterization of silver and silver-gold sulfoselenides. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 116, 292-298.	4.0	16
58	Signatures of in-plane and out-of-plane magnetization generated by synchrotron radiation in magnetically doped and pristine topological insulators. <i>Physical Review B</i> , 2018, 97, .	3.2	16
59	Formation of gold-silver sulfides and native gold in Fe-Ag-Au-S system. <i>Russian Geology and Geophysics</i> , 2012, 53, 347-355.	0.7	15
60	Synthesis and crystal structure of silver-gold sulfide AgAuS. Four-fold interpenetrated three-dimensional [(Au,Ag)10S8]-networks. <i>CrystEngComm</i> , 2014, 16, 1675.	2.6	15
61	Experimental constraints on gold and silver solubility in iron sulfides. <i>Journal of Alloys and Compounds</i> , 2015, 649, 67-75.	5.5	15
62	Surface spin-polarized currents generated in topological insulators by circularly polarized synchrotron radiation and their photoelectron spectroscopy indication. <i>Physics of the Solid State</i> , 2016, 58, 1675-1686.	0.6	15
63	Electronic and spin structure of the wide-band-gap topological insulator: Nearly stoichiometric Bi <sub>2</sub> Te <sub>2</sub> S. <i>Physical Review B</i> , 2018, 97, .	3.2	15
64	Magnetic and Electronic Properties of Gd-Doped Topological Insulator Bi <sub>1.09</sub> Gd <sub>0.06</sub> Sb <sub>0.85</sub> Te <sub>3</sub> . <i>Journal of Experimental and Theoretical Physics</i> , 2019, 129, 404-412.	0.9	15
65	Topologically Nontrivial Phase-Change Compound GeSb <sub>2</sub> Te <sub>4</sub> . <i>ACS Nano</i> , 2020, 14, 9059-9065.	14.6	15
66	Dispersion properties of GaS studied by THz-TDS. <i>CrystEngComm</i> , 2014, 16, 1995.	2.6	14
67	LBO: optical properties and potential for THz application. <i>Laser Physics Letters</i> , 2015, 12, 115402.	1.4	14
68	Giant Magnetic Band Gap in the Rashba-Split Surface State of Vanadium-Doped BiTeI: A Combined Photoemission and Ab Initio Study. <i>Scientific Reports</i> , 2017, 7, 3353.	3.3	14
69	Thermal conductivity and heat capacity of $\hat{1}\pm$ - and $\hat{1}^2$ -BaB <sub>2</sub> O <sub>4</sub> single crystals. <i>Inorganic Materials</i> , 2011, 47, 163-166.	0.8	13
70	Dynamic control over the heat field during LBO crystal growth by High temperature solution method. <i>Journal of Crystal Growth</i> , 2012, 360, 158-161.	1.5	13
71	Direct measurement of the bulk spin structure of noncentrosymmetric BiTeCl. <i>Physical Review B</i> , 2015, 91, .	3.2	13
72	Photoelectron spin polarization in the topological insulator: Initial- and final-state effects in the photoemission process. <i>Physical Review B</i> , 2016, 93, .	3.2	13

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73	Origin of spin-polarized photocurrents in the topological surface states of $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2018, 98, .	2.2	13
74	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
75	Magnetic-impurity-induced modifications to ultrafast carrier dynamics in the ferromagnetic topological insulators $\text{Sb}_2\text{VTe}_3$ . New Journal of Physics, 2019, 21, 093006.	2.9	13
76	Development of the $\text{Î}^2\text{-BaB}_2\text{O}_4$ crystal growth technique in the heat field of three-fold axis symmetry. Journal of Crystal Growth, 2011, 318, 602-605.	1.5	12
77	Optical properties of non-linear crystal grown from the melt $\text{GaSe-}^{\text{AgGaSe}}_2$ . Optics Communications, 2013, 287, 145-149.	2.1	12
78	Optical properties of $\text{BiTeI}$ semiconductor with a strong Rashba spin-orbit interaction. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 117, 764-768.	0.6	12
79	Role of anisotropy and spin-orbit interaction in the optical and dielectric properties of $\text{BiTeI}$ and $\text{BiTeCl}$ compounds. JETP Letters, 2015, 101, 507-512.	1.4	12
80	Out-of-plane polarization induced in magnetically-doped topological insulator $\text{Bi}_{1.37}\text{V}_{0.03}\text{Sb}_{0.6}\text{Te}_2\text{Se}$ by circularly polarized synchrotron radiation above a Curie temperature. Applied Physics Letters, 2016, 109, 222404.	3.3	12
81	Superparamagnetism-induced mesoscopic electron focusing in topological insulators. Physical Review B, 2016, 94, .	3.2	12
82	Enhanced photovoltage on the surface of topological insulator via optical aging. Applied Physics Letters, 2018, 112, .	3.3	12
83	Circular Dichroism and Superdiffusive Transport at the Surface of $\text{BiTeI}$ . Physical Review Letters, 2013, 111, 126603.	7.8	11
84	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
85	Bidirectional surface photovoltage on a topological insulator. Physical Review B, 2019, 100, .	3.2	11
86	Sulfur-selenium isomorphous substitution and polymorphism in the $\text{Ag}_2(\text{S,Se})$ series. Journal of Alloys and Compounds, 2015, 639, 89-93.	5.5	10
87	Mapping the effect of defect-induced strain disorder on the Dirac states of topological insulators. Physical Review B, 2016, 94, .	3.2	10
88	Anomalously large gap and induced out-of-plane spin polarization in magnetically doped 2D Rashba system: V-doped $\text{BiTeI}$ . 2D Materials, 2017, 4, 025055.	4.4	10
89	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
90	Synthetic Gold Chalcogenides in the $\text{Au-Te-Se-S}$ System and Their Natural Analogs. Doklady Earth Sciences, 2019, 487, 929-934.	0.7	10

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91	Dispersion properties of sulfur doped gallium selenide crystals studied by THz TDS. Optics Express, 2015, 23, 32820.	3.4	9
92	Scattering properties of the three-dimensional topological insulator $\text{Sb}_2\text{Te}_3$ . Coexistence of topologically trivial and nontrivial surface states with opposite spin-momentum helicity. Physical Review B, 2016, 93, .	3.2	9
93	Spin-resolved band structure of heterojunction Bi-bilayer/3D topological insulator in the quantum dimension regime in annealed $\text{Bi}_2\text{Te}_2.4\text{Se}_0.6$ . Scientific Reports, 2017, 7, 45797.	3.3	9
94	Growth of the complex borates $\text{Y}_x\text{R}_y\text{Sc}_{2+z}\text{(BO}_3)_4$ ( $\text{R} = \text{Nd, Pr, x} + \text{y} + \text{z} = 2$ ) with huntite structure. Crystal Research and Technology, 2017, 52, 1600371.	1.3	9
95	Structural and vibrational properties of PVT grown $\text{BiTeCl}$ microcrystals. Materials Research Express, 2019, 6, 045912.	1.6	9
96	Growth of $\text{Bi}_2\text{Se}_3$ /graphene heterostructures with the room temperature high carrier mobility. Journal of Materials Science, 2021, 56, 9330-9343.	3.7	9
97	Modulation of the Dirac Point Band Gap in the Antiferromagnetic Topological Insulator $\text{MnBi}_2\text{Te}_4$ due to the Surface Potential Gradient Change. Journal of Experimental and Theoretical Physics, 2022, 134, 103-111.	0.9	9
98	Characterization of optical quality of $\text{GaSe:Al}$ crystals by exciton absorption peak parameters. Journal of Materials Science: Materials in Electronics, 2014, 25, 1757-1760.	2.2	8
99	Optical properties and electronic structure of $\text{BiTeCl}$ and $\text{BiTeBr}$ compounds. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2016, 121, 364-370.	0.6	8
100	Isomorphism and solid solutions among Ag- and Au-selenides. Journal of Solid State Chemistry, 2016, 241, 157-163.	2.9	8
101	Sulfur-selenium isomorphous substitution in the $\text{AgAu(S,Se)}$ series. Journal of Alloys and Compounds, 2016, 664, 385-391.	5.5	8
102	Geometric and electronic structure of the Cs-doped $\text{Bi}_2\text{Te}_3$ (0001) surface. Physical Review B, 2017, 95, .	2.2	8
103	Shubnikov-de Haas oscillations in $p$ - and $n$ -type topological insulator $(\text{Bi}_x\text{Sb}_{1-x})_2\text{Te}_3$ . Tj ETQq1 1 0.784314 rgBT /Ove 2018, 30, 265001.	1.8	8
104	Crystallization of $\text{AgGaS}_2$ melts enriched with $\text{Ag}_2\text{S}$ and $\text{Ga}_2\text{S}_3$ . Crystal Research and Technology, 2008, 43, 409-412.	1.3	7
105	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
106	Phase formation in the $\text{BaB}_2\text{O}_4\text{-NaBO}_2\text{-MBO}_3$ ( $\text{M} = \text{Sc, La, Y}$ ) system and new orthoborate $\text{ScBaNa(BO}_3)_2$ . Russian Journal of Inorganic Chemistry, 2011, 56, 113-117.	1.3	7
107	Formation of gold and silver sulfides from melts in the $\text{Ag-Au-S}$ system: Experimental data. Doklady Earth Sciences, 2011, 436, 42-46.	0.7	7
108	Synthesis and crystal structure of gold-silver sulfoselenides: morphotropy in the $\text{Ag}_3\text{Au(Se,S)}_2$ series. Physics and Chemistry of Minerals, 2013, 40, 229-237.	0.8	7

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109	The crystal structure of uytenbogaardtite, $\text{Ag}_3\text{AuS}_2$ , and its relationships with gold and silver sulfides-selenides. Mineralogical Magazine, 2016, 80, 1031-1040.	1.4	7
110	Energetic and Spatial Mapping of Resonant Electronic Excitations. Journal of Physical Chemistry C, 2016, 120, 13843-13849.	3.1	7
111	Inverted Dirac-electron population for broadband lasing in a thermally activated $p$ -type topological insulator. Physical Review B, 2019, 99, .	3.2	7
112	Electrochemically exfoliated thin $\text{Bi}_2\text{Se}_3$ films and van der Waals heterostructures $\text{Bi}_2\text{Se}_3/\text{graphene}$ . Nanotechnology, 2020, 31, 125602.	2.6	7
113	New gold chalcogenides in the $\text{AuTeSeS}$ system. Journal of Physics and Chemistry of Solids, 2020, 138, 109276.	4.0	7
114	Profiling spin and orbital texture of a topological insulator in full momentum space. Physical Review B, 2021, 103, .	3.2	7
115	Impact of Ultrathin Pb Films on the Topological Surface and Quantum-Well States of $\text{Bi}_2\text{Se}_3$ and $\text{Sb}_2\text{Te}_3$ Topological Insulators. Journal of Experimental and Theoretical Physics, 2018, 126, 535-540.	0.9	6
116	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
117	Synthesis and Growth of Rare Earth Borates $\text{NaSrR}(\text{BO}_3)_2$ ( $R = \text{Ho, Lu, Y, Sc}$ ). Inorganic Chemistry, 2022, 61, 7497-7505.	4.0	6
118	Optimal doping of GaSe with isovalent elements. Proceedings of SPIE, 2013, , .	0.8	5
119	Optimal Doping of GaSe Crystals for Nonlinear Optics Applications. Russian Physics Journal, 2014, 56, 1250-1257.	0.4	5
120	Specific features of the electronic, spin, and atomic structures of a topological insulator $\text{Bi}_2\text{Te}_{2.4}\text{Se}_{0.6}$ . Physics of the Solid State, 2016, 58, 779-787.	0.6	5
121	A Study of the Crystal Structure of $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}$ Epitaxial Films on a $\text{Bi}_2\text{Te}_3$ Topological Insulator. Technical Physics Letters, 2018, 44, 184-186.	0.7	5
122	Anomalous Behavior of the Elastic and Optical Properties in $\text{Bi}_{1.5}\text{Sb}_{0.5}\text{Te}_{1.8}\text{Se}_{1.2}$ Topological Insulator Induced by Point Defects. Physica Status Solidi (B): Basic Research, 2018, 255, 1800264. <a href="https://doi.org/10.1002/pssb.201800264">https://doi.org/10.1002/pssb.201800264</a>	1.5	5
123	Enhanced surface state protection and band gap in the topological insulator $\text{Sb}_2\text{Te}_3$ . Physical Review B, 2018, 98, 041407. <a href="https://doi.org/10.1103/PhysRevB.98.041407">https://doi.org/10.1103/PhysRevB.98.041407</a>	3.2	5
124	Topological surface states in $\text{PbBi}_4\text{Te}_4$ . Physical Review Materials, 2018, 2, .	2.4	5
125	Interaction of high intensity optical pulses with modified nonlinear GaSe crystals. , 2013, , .		4
126	$\text{Ga}_2\text{S}_3$ : Optical properties and perspectives for THz applications. , 2015, , .		4



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127	Visible and "invisible" forms of gold and silver in the crystallization products of melts in the Fe-S-Ag-Au system: experimental data. Doklady Earth Sciences, 2017, 474, 636-640.	0.7	4
128	Ultrafast dynamics of an unoccupied surface resonance state in Bi <sub>2</sub> Te <sub>2</sub> Se. Physical Review B, 2018, 97, .	3.2	4
129	Oriented crystallization of AgGa <sub>2</sub> S <sub>3</sub> from the melt system Ag-Ga-S. Inorganic Materials, 2009, 45, 1217-1221.	0.8	3
130	Czochralski growth of $\lambda$ -BBO crystals under azimuthally anisotropic heating. Journal of Crystal Growth, 2011, 317, 1-3.	1.5	3
131	Effect of doping on the mechanical properties of nonlinear GaSe crystals. Russian Metallurgy (Metally), 2016, 2016, 918-923.	0.5	3
132	Topological states induced by local structural modification of the polar BiTe(0001) surface. New Journal of Physics, 2018, 20, 063035.	2.9	3
133	Remote Imaging by Nanosecond Terahertz Spectrometer with Standoff Detector. Russian Physics Journal, 2018, 60, 1638-1643.	0.4	3
134	Energy-Gap Opening Near the Dirac Point after the Deposition of Cobalt on the (0001) Surface of the Topological Insulator BiSbTeSe <sub>2</sub> . Semiconductors, 2020, 54, 1051-1055.	0.5	3
135	Electronic Structure of Pb Adsorbed Surfaces of Intrinsic Magnetic Topological Insulators. Journal of Physical Chemistry Letters, 0, , 6628-6634.	4.6	3
136	Phase matching for the second harmonic generation in GaSe crystals. Russian Physics Journal, 2011, 53, 1235-1242.	0.4	2
137	High-resolution terahertz spectrometer with up to 110 m single-pass base. , 2016, , .		2
138	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
139	Effect of Rashba splitting on ultrafast carrier dynamics in BiTe. Physical Review B, 2021, 103, .	3.2	2
140	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
141	Directional solidification of $x$ Ag <sub>2</sub> S(1-x)Ga <sub>2</sub> S <sub>3</sub> Melts and the proof of the non-quasi-binary character of the Ag <sub>2</sub> S-Ga <sub>2</sub> S <sub>3</sub> join. Russian Journal of Inorganic Chemistry, 2010, 55, 269-273.	1.3	1
142	GaSe damage threshold under IR pulse pumping. Proceedings of SPIE, 2013, , .	0.8	1
143	Solid solution GaSe<math>\text{GaSe}_{1-x}\text{S}_x</math> crystals for THz applications. , 2014, , .		1
144	Optical rectification and down-conversion of fs pulses into mid-IR and THz range in GaSe <sub>1-x</sub> S <sub>x</sub> . , 2015, , .		1

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145	Landau Level Broadening in the Threeâ€Dimensional Topological Insulator $Sb_2Te_3$ . Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800112.	2.4	1
146	Optical Phonon Spectrum of the $Ge_2Sb_2Te_5$ Single Crystal. JETP Letters, 2021, 113, 651-656.	1.4	1
147	Stability of (0001) $Bi_2Te_3$ surface. , 2011, , .		0
148	Nanointervention into crystal flatland. III. Crystal growth and micromorphology of cleaved $GaSe(001)$ surface. , 2012, , .		0
149	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
150	Growth of potassium titanyl phosphate crystals using polyphosphate solvents with $WO_3$ additions. Inorganic Materials, 2012, 48, 391-396.	0.8	0
151	Modification and ab-initio spectroscopic application of modified commerce terahertz spectrometer by using homemade parts. , 2015, , .		0
152	Down-converters with doped solid solution crystals $GaSe_{1-x}S_x$ for THz spectrometry. , 2017, , .		0
153	Study of structural and electronic properties of a topological insulator $Bi_{1.1}Sb_{0.9}Te_2S$ . AIP Conference Proceedings, 2020, , .	0.4	0
154	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