

Andrzej Majchrowski

List of Publications by Year in descending order

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186209

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285
all docs

285
docs citations

285
times ranked

2753
citing authors

#	ARTICLE	IF	CITATIONS
1	The origin of antiferroelectricity in PbZrO ₃ . Nature Communications, 2013, 4, 2229.	5.8	251
2	Femtosecond nonlinear frequency conversion based on BiB ₃ O ₆ . Laser and Photonics Reviews, 2010, 4, 53-98.	4.4	99
3	High-average-power femtosecond pulse generation in the blue using BiB ₃ O ₆ . Optics Letters, 2004, 29, 2530.	1.7	87
4	Photoinduced second harmonic generation in partially crystallized BiB ₃ O ₆ glass. Optics Communications, 2003, 219, 421-426.	1.0	75
5	Efficient third harmonic generation of microjoule picosecond pulses at 355nm in BiB ₃ O ₆ . Applied Physics Letters, 2006, 89, 173124.	1.5	69
6	Evaluation of Nd ³⁺ -doped BiB ₃ O ₆ (BIBO) as a new potential self-frequency conversion laser crystal. Optics Communications, 2002, 203, 125-132.	1.0	68
7	Influence of YAB:Cr ³⁺ nanocrystallite sizes on two-photon absorption of YAB:Cr ³⁺ . Physica Status Solidi (B): Basic Research, 2004, 241, 3047-3055.	0.7	68
8	Multifunctional Bi ₂ ZnOB ₂ O ₆ single crystals for second and third order nonlinear optical applications. Applied Physics Letters, 2013, 103, .	1.5	68
9	Several features of emission spectra of Pr ³⁺ ions incorporated into Li ₂ B ₄ O ₇ glass matrices. Journal of Applied Physics, 2006, 100, 053101.	1.1	67
10	Top seeded solution growth of KHo(WO ₄) ₂ single crystals. Journal of Crystal Growth, 2004, 264, 201-207.	0.7	65
11	Second-order non-linear optical effects in BiB ₃ O ₆ glass fibers. Optical Materials, 2004, 25, 33-37.	1.7	59
12	Mode softening, precursor phenomena, and intermediate phases in PbZrO ₃ . Physical Review B, 2013, 87, .	1.1	58
13	CsLiB ₆ O ₁₀ crystallites embedded into olygoether photopolymer matrices as new materials for acoustically induced nonlinear optics. Optical Materials, 2000, 15, 51-58.	1.7	56
14	Effect of U on the Electronic Properties of Neodymium Gallate (NdGaO ₃): Theoretical and Experimental Studies. Journal of Physical Chemistry B, 2009, 113, 15237-15242.	1.2	53
15	Raman and IR spectra of K ₄ Nb ₆ O ₁₇ and K ₄ Nb ₆ O ₁₇ ·3H ₂ O single crystals. Journal of Raman Spectroscopy, 2011, 42, 209-213.	1.2	47
16	Bi-functional laser and non-linear optical crystals. Optical Materials, 2006, 28, 310-323.	1.7	44
17	Lattice dynamics and temperature-dependent Raman and infrared studies of multiferroic MnCo _{0.85} . Scientific Reports, 2017, 7, 41512.	1.1	43
18	Critical scattering and incommensurate phase transition in antiferroelectric PbZrO ₃ under pressure. Scientific Reports, 2017, 7, 41512.	1.6	43

#	ARTICLE	IF	CITATIONS
19	Lattice dynamics and antiferroelectricity in PbZrO_3 by x-ray and Brillouin light scattering. <i>Physical Review B</i> , 2014, 90, .	0.7	37
20	Precursor dynamics, incipient ferroelectricity and huge anharmonicity in antiferroelectric lead zirconate PbZrO_3 . <i>Journal of Physics Condensed Matter</i> , 2013, 25, 212202.	1.0	34
21	Nonlinear optical effects in $\text{Bi}_{12}\text{TiO}_{20}$ nanocrystallites embedded within a photopolymer matrix. <i>Optics Communications</i> , 2004, 236, 123-129.	1.5	33
22	Crystal structure and vibrational properties of $\text{KMg}_4(\text{PO}_4)_3$. <i>Solid State Sciences</i> , 2005, 7, 1201-1208.	1.9	32
23	A neutron diffuse scattering study of PbZrO_3 and Zr-rich $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$. <i>Journal of Applied Crystallography</i> , 2015, 48, 1637-1644.	0.7	31
24	IR-induced second-harmonic generation in PbSe microcrystallites. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 3533-3544.	1.4	30
25	Crystal structure and vibrational properties of nonlinear Eu_3BWO_9 and Nd_3BWO_9 crystals. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3595-3602.	2.2	29
26	$\text{ZnSe}:\text{Co}^{2+}$ nonlinear optical absorber for giant-pulse eye-safe lasers. <i>Optics and Laser Technology</i> , 2003, 35, 169-172.	2.8	28
27	Structure and properties of the KNbW_2O_9 hexagonal bronze doped with Eu^{3+} ions as an optically active probe. <i>Journal of Alloys and Compounds</i> , 2004, 380, 248-254.	2.2	28
28	The noise of many needles: Jerky domain wall propagation in PbZrO_3 and LaAlO_3 . <i>APL Materials</i> , 2017, 5, .	1.5	27
29	A pump-power-controlled luminescent switcher. <i>Applied Physics Letters</i> , 2005, 86, 011920.	1.4	26
30	Crystal structure and phonon properties of noncentrosymmetric LiNaB_4O_7 . <i>Journal of Solid State Chemistry</i> , 2007, 180, 410-419.	0.7	26
31	Phase transitions and interrelated instabilities in PbHfO_3 single crystals. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 105901.	1.4	25
32	LiNaB_4O_7 Crystals as a Material for Optically Induced Elastoopticity. <i>Crystal Growth and Design</i> , 2006, 6, 2779-2782.	1.4	24
33	Crystal structure and lattice dynamics of $\text{Sr}_3\text{Y}(\text{BO}_3)_3$. <i>Journal of Solid State Chemistry</i> , 2008, 181, 3211-3216.	1.2	23
34	Triggered incommensurate transition in PbHfO_3 . <i>Physical Review B</i> , 2019, 100, .	2.8	23
35	Vibrational properties of ferroelectric hexagonal tungsten bronzes $\text{AB}_x\text{W}_3\text{O}_9$, where $A = \text{K, Rb, Cs}$ and $B = \text{Nb, Ta, Zr, Cr}$. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 929-936.		
36	Photoinduced nonlinear optical effects in the Pr doped BiB_3O_6 glass nanoparticles incorporated into the polymer matrices. <i>Journal of Alloys and Compounds</i> , 2009, 485, 29-32.		

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37	Visible and near-infrared up-conversion luminescence of KGd(WO ₄) ₂ micro-crystals doped with Er ³⁺ , Tm ³⁺ , Ho ³⁺ and Yb ³⁺ ions. Journal of Alloys and Compounds, 2016, 684, 271-281.	2.8	23
38	Bifunctional Bi ₂ ZnOB ₂ O ₆ :Nd ³⁺ Single Crystal for Near Infrared Lasers: Luminescence and Raman Investigations. Crystal Growth and Design, 2017, 17, 3656-3664.	1.4	23
39	Growth and Properties of Potassium Holmium Double Tungstate KHo(WO ₄) ₂ . Crystal Research and Technology, 2001, 36, 283-287.	0.6	22
40	Up-conversion emission in KGd(WO ₄) ₂ single crystals triply-doped with Er ³⁺ /Yb ³⁺ /Tm ³⁺ , Tb ³⁺ /Yb ³⁺ /Tm ³⁺ and Pr ³⁺ /Yb ³⁺ /Tm ³⁺ ions. Optical Materials, 2011, 33, 1595-1601.	1.7	22
41	Photoinduced non-linear optical effects in lanthanum calcium borate single crystals. Journal of Materials Science, 2006, 41, 1927-1932.	1.7	21
42	Spectroscopic properties of Bi ₂ ZnOB ₂ O ₆ single crystals doped with Pr ³⁺ ions: Absorption and luminescence investigations. Optical Materials, 2015, 47, 428-434.	1.7	21
43	Vibrational spectra of KNbW ₂ O ₉ hexagonal tungsten bronze. Journal of Raman Spectroscopy, 2001, 32, 287-291.	1.2	20
44	UV-Induced Nonlinear Absorption in Lanthanum Calcium Borate Single Crystals. Journal of Physical Chemistry B, 2006, 110, 9090-9094.	1.2	20
45	Simulation of nonlinear optical absorption in ZnSe:Co ²⁺ crystals. Optics and Laser Technology, 2006, 38, 558-564.	2.2	20
46	Band structure features of nonlinear optical yttrium aluminium borate crystal. Solid State Sciences, 2008, 10, 1445-1448.	1.5	20
47	Z-scan analysis and ab initio studies of Bi ²⁺ -BaTeMo ₂ O ₉ single crystal. Solid State Sciences, 2014, 27, 30-35.	1.5	20
48	Bi ₃ TeBO ₉ : electronic structure, optical properties and photoinduced phenomena. Journal of Materials Science, 2018, 53, 1217-1226.	1.7	20
49	Characterization of bismuth triborate single crystal using Brillouin and Raman spectroscopy. Crystal Research and Technology, 2005, 40, 459-465.	0.6	19
50	Vibrational properties of nonlinear optical Bi ₂ ZnOB ₂ O ₆ single crystals doped with Pr ³⁺ : Raman investigations. Journal of Alloys and Compounds, 2014, 610, 600-605.	2.8	19
51	Optical transitions of Pr ³⁺ ions in Ca ₄ GdO(BO ₃) ₃ crystals. Journal of Alloys and Compounds, 2001, 323-324, 214-217.	2.8	18
52	Analytical use of the stereographic Wulff net for single-crystal orientation for 1-, 2- and 3-rotated cuts. Journal of Applied Crystallography, 2003, 36, 255-259.	1.9	18
53	Preparation and fluorescence properties of La ₂ CaB ₁₀ O ₁₉ crystals doped with Pr ³⁺ ions. Journal of Crystal Growth, 2011, 334, 122-125.	0.7	18
54	Spectroscopic properties of KGd(WO ₄) ₂ single crystals doped with Er ³⁺ , Ho ³⁺ , Tm ³⁺ and Yb ³⁺ ions: Luminescence and micro-Raman investigations. Journal of Alloys and Compounds, 2013, 577, 687-692.	2.8	18

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55	Growth and characterization of acentric BaHf(BO ₃) ₂ and BaZr(BO ₃) ₂ . Journal of Solid State Chemistry, 2015, 225, 330-334.	1.4	18
56	Crystallographic and optical study of PbHfO ₃ crystals. Journal of Applied Crystallography, 2017, 50, 378-384.	1.9	18
57	IR-induced nonlinear optics in Ge-doped Bi ₁₂ TiO ₂₀ large-sized nanocrystallites. Optics and Lasers in Engineering, 2005, 43, 75-83.	2.0	17
58	Electrical, thermal, and dielectric properties of PbZr _{1-x} Sn _x O ₃ (0 ≤ x ≤ 0.3) single crystals. Journal of Materials Science, 2009, 44, 3229-3234.	1.7	17
59	Vibrational properties of the nonlinear optical crystal $\hat{\Gamma}^2$ -BaTeMo ₂ O ₉ . Vibrational Spectroscopy, 2013, 64, 158-163.	1.2	17
60	Excited state absorption in chromium doped Li ₂ B ₄ O ₇ glass. Journal of Physics Condensed Matter, 2001, 13, 2701-2716.	0.7	16
61	UV-induced two-photon absorption in BiB ₃ O ₆ single crystals. Optics Communications, 2005, 250, 334-343.	1.0	16
62	Photoinduced optical effects in rare earth doped $\hat{\Gamma}^2$ -BiB ₃ O ₆ . Materials Letters, 2014, 122, 114-116.	1.3	16
63	Brillouin scattering, DSC, dielectric and X-ray diffraction studies of phase transitions in antiferroelectric PbHfO ₃ :Sn. Journal of Alloys and Compounds, 2015, 622, 935-941.	2.8	16
64	Modified Pechini synthesis of Bi ₂ ZnB ₂ O ₇ nanoparticles. Journal of Alloys and Compounds, 2017, 725, 587-597.	2.8	16
65	Defect-induced phase transitions in YAl ₃ (BO ₃) ₄ :Nd (NYAB) crystals. Ferroelectrics, Letters Section, 2002, 29, 31-36.	0.4	15
66	Absorption and luminescence spectra of KHo(WO ₄) ₂ and KEr(WO ₄) ₂ single crystals. Journal of Applied Spectroscopy, 2004, 71, 888-892.	0.3	15
67	Optically induced changes of absorption in polymer-dispersed liquid crystals doped with inorganic nanocrystals. Journal of Materials Science: Materials in Electronics, 2010, 21, 659-665.	1.1	15
68	Influence of Tm ⁺³ concentration on the non-linear optical effects of the BiB ₃ O ₆ :Tm ⁺³ glass nanoparticle-doped polymer. Journal Physics D: Applied Physics, 2010, 43, 015103.		15
69	Growth and piezoelectric features of La ₂ CaB ₁₀ O ₁₉ crystals doped with Pr ³⁺ ions. Journal of Crystal Growth, 2012, 344, 27-30.	0.7	15
70	Lattice dynamics and pressure-induced phase transitions in $\hat{\Gamma}^2$ -BaTeMo ₂ O ₉ . Journal of Physics Condensed Matter, 2013, 25, 125404.	0.7	15
71	Elastic anomalies associated with the antiferroelectric phase transitions of PbHfO ₃ single crystals. Journal of the Korean Physical Society, 2014, 64, 1169-1173.	0.3	15
72	Lattice dynamics in the paraelectric phase of PbHfO ₃ studied by inelastic x-ray scattering. Journal of Physics Condensed Matter, 2015, 27, 335901.	0.7	15

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73	Influence of Cr ³⁺ doping on the enhanced dielectric and nonlinear optical features of pyroelectric Pb ₅ Ge ₃ O ₁₁ single crystals. <i>Materials Chemistry and Physics</i> , 2018, 213, 461-471.	2.0	15
74	Growth and spectroscopic characterization of Nd ₃ BWO ₉ single crystal. <i>Journal of Crystal Growth</i> , 2003, 247, 467-471.	0.7	14
75	Optical second harmonic generation in Yttrium Aluminum Borate single crystals (theoretical) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	0.9	14
76	Optical features of calcium neodymium oxyborate Ca ₄ NdO(BO ₃) ₃ doped by Yb ³⁺ . <i>Journal of Alloys and Compounds</i> , 2009, 481, 14-16.	2.8	14
77	Temperature-dependent Raman scattering study of the defect pyrochlores RbNbWO ₆ and CsTaWO ₆ . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 195902.	0.7	14
78	Photoinduced nonlinear optical effects in Nd-doped $\hat{\Gamma}$ -BiB ₃ O ₆ crystals. <i>Journal of Alloys and Compounds</i> , 2014, 610, 82-85.	2.8	14
79	Temperature-dependent Raman scattering study of tin modified PbZrO ₃ and PbHfO ₃ single crystals. <i>Journal of Alloys and Compounds</i> , 2015, 644, 854-861.	2.8	14
80	Tailoring Nd ³⁺ luminescence characteristics by Yb ³⁺ doping in K ₅ Nd(MoO ₄) ₄ , RbNd(WO ₄) ₂ and NdAl ₃ (BO ₃) ₄ crystal matrices. <i>Journal of Alloys and Compounds</i> , 2015, 639, 577-582.	2.8	14
81	Density of band states in the CsLiB ₆ O ₁₀ crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 280, 70-76.	0.9	13
82	Influence of Ca ₄ GdO(BO ₃) ₃ doping on its properties. <i>Journal of Crystal Growth</i> , 2002, 237-239, 641-644.	0.7	13
83	Pressure- and temperature-dependent Raman studies of KNbW ₂ O ₉ hexagonal tungsten bronze. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 199-204.	1.2	13
84	Two-photon absorption in YAB:Cr ³⁺ nanocrystallites. <i>Optical Materials</i> , 2005, 27, 675-678.	1.7	13
85	Spectroscopy of Ca ₄ GdO(BO ₃) ₃ (GdCOB): Pr ³⁺ single crystals. <i>Journal of Alloys and Compounds</i> , 2008, 465, 24-34.	2.8	13
86	Enhancement of the Kerr response in polymer-dispersed liquid crystal complexes due to incorporation of BiB ₃ O ₆ nanocrystallites. <i>Materials Letters</i> , 2010, 64, 1176-1178.	1.3	13
87	Up-conversion emission in triply-doped Ho ³⁺ /Yb ³⁺ /Tm ³⁺ KGd(WO ₄) ₂ single crystals. <i>Optics Communications</i> , 2011, 284, 2895-2899.	1.0	13
88	Specific features of fluorescence kinetics of Pr ³⁺ doped BiB ₃ O ₆ glasses. <i>Journal of Alloys and Compounds</i> , 2012, 538, 220-223.	2.8	13
89	Phonons in nonlinear optical $\hat{\Gamma}$ -BiB ₃ O ₆ crystal: Raman and infrared spectra and lattice dynamics. <i>Journal of Alloys and Compounds</i> , 2013, 575, 86-89.	2.8	13
90	Phase transitions in PbZr _{0.72} Sn _{0.28} O ₃ single crystals studied by Raman spectroscopy. <i>Phase Transitions</i> , 2016, 89, 768-776.	0.6	13

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91	Czochralski growth of TeO ₂ single crystals under conditions of forced convection in the melt. Journal of Crystal Growth, 1992, 116, 364-368.	0.7	12
92	Evaluation of GdCOB:Nd ³⁺ for self-frequency doubling in the optimum phase matching direction. Optics Communications, 2003, 217, 395-400.	1.0	12
93	Acoustically induced optical second harmonic generation in Pb _{4.7} Ba _{0.3} Ge ₃ O ₁₁ crystals. Journal of Applied Physics, 2003, 93, 1160-1164.	1.1	12
94	Low-temperature vibrational properties of KGd(WO ₄) ₂ : (Er, Yb) single crystals studied by Raman spectroscopy. Journal of Physics and Chemistry of Solids, 2009, 70, 1242-1247.	1.9	12
95	Electro-optical properties of Bi ₂ LayScz(BO ₃) ₄ (x+y+z=4) nanocrystallites having huntite structure incorporated into polymer matrices. Journal of Alloys and Compounds, 2009, 488, 291-293.	2.8	12
96	Kerr modulators based on polymer-dispersed liquid crystal complexes. Journal of Materials Science: Materials in Electronics, 2010, 21, 1020-1023.	1.1	12
97	Micro-Raman investigation of KGd(WO ₄) ₂ single crystals triply-doped with Pr ³⁺ /Tm ³⁺ /Yb ³⁺ , Ho ³⁺ /Tm ³⁺ /Yb ³⁺ and Er ³⁺ /Tm ³⁺ /Yb ³⁺ ions. Journal of Alloys and Compounds, 2011, 509, 6354-6358.	2.8	12
98	Microcrystalline Bi ₂ ZnB ₂ O ₇ -polymer composites with silver nanoparticles as materials for laser operated devices. Journal of Materials Science: Materials in Electronics, 2014, 25, 2426-2434.	1.1	12
99	Enhanced Polarization Fluctuations in PbZr _{0.72} Sn _{0.28} O ₃ Compared to PbZrO ₃ Single Crystals Studied by Brillouin Light Scattering. Ferroelectrics, 2015, 479, 1-7.	0.3	12
100	Micro-Raman scattering and dielectric investigations of phase transitions behavior in the PbHf _{0.7} Sn _{0.3} O ₃ single crystal. Journal of Applied Physics, 2017, 122, .	1.1	12
101	Czochralski growth of lithium tetraborate single crystals. Materials Letters, 1991, 11, 281-283.	1.3	11
102	Short-wavelength luminescence in Ho ³⁺ -doped KGd(WO ₄) ₂ crystals. Journal of Luminescence, 2009, 129, 1505-1508.	1.5	11
103	Judd-Ofelt analysis and optically stimulated two-photon absorption of Yb ³⁺ -doped NdAl ₃ (BO ₃) ₄ single crystals. Journal of Alloys and Compounds, 2010, 491, 26-29.	2.8	11
104	Pressure-induced phase transitions in $\hat{\Gamma}^2$ -BaTeMo ₂ O ₉ . Journal of Alloys and Compounds, 2013, 579, 236-242.	2.8	11
105	Growth and characterization of nonlinear optical telluromolybdate CoTeMoO ₆ single crystals. Journal of Solid State Chemistry, 2014, 220, 142-148.	1.4	11
106	High-resolution Brillouin scattering studies of phase transitions and precursor phenomena in PbZr _{0.78} Sn _{0.22} O ₃ single crystals. Journal of Alloys and Compounds, 2014, 587, 273-277.	2.8	11
107	Nonlinear optical features of $\hat{\Gamma}^2$ -BiB ₃ O ₆ /PVA polymer nanocomposites deposited on aluminum-doped zinc oxide substrates containing Ag nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 64, 1-6.	1.3	11
108	Photoluminescence properties of Pr ³⁺ doped Bi ₂ ZnOB ₂ O ₆ microcrystals and PMMA-based composites. Optical Materials, 2016, 62, 72-79.	1.7	11

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109	Significant photoinduced increment of reflectivity coefficient in LiNa ₅ Mo ₉ O ₃₀ . Current Applied Physics, 2017, 17, 1100-1107.	1.1	11
110	Near-infrared luminescence of Bi ₂ ZnOB ₂ O ₆ :Nd ³⁺ /PMMA composite. Optical Materials, 2018, 75, 13-18.	1.7	11
111	Influence of the rare-earth doping on the photoinduced EOs in the GdCOB. Materials Letters, 2002, 57, 130-133.	1.3	10
112	Optically induced linear electro-optic effects in ytterbium-doped strontium yttrium borate Sr ₃ Y(BO ₃) ₃ :Yb nanocrystallites incorporated into polymer matrices. Applied Physics Letters, 2006, 89, 131106.	1.5	10
113	Elastic properties of KGd(WO ₄) ₂ :Ho ³⁺ single crystals studied by Brillouin spectroscopy. Crystal Research and Technology, 2007, 42, 1370-1375.	0.6	10
114	Temperature anomalies of emission spectra of Nd:Yb:La ₂ CaB ₁₀ O ₁₉ single crystals. Current Opinion in Solid State and Materials Science, 2008, 12, 32-38.	5.6	10
115	Lattice dynamics and high-pressure Raman scattering studies of ferroelectric K ₂ MgWO ₂ (PO ₄) ₂ . Physical Review B, 2008, 78, .	1.1	10
116	Spectroscopy of YAl ₃ (BO ₃) ₄ :Cr ³⁺ crystals following first principles and crystal field calculations. Philosophical Magazine, 2010, 90, 4569-4578.	0.7	10
117	Domain wall motion and precursor dynamics in PbZrO_3 . Physical Review B, 2016, 94, .	1.0	10
118	Microstructural and nonlinear optical properties of Bi ₂ ZnB ₂ O ₇ :RE ³⁺ powders. Journal of Alloys and Compounds, 2017, 694, 959-970.	2.8	10
119	Thermal and dielectric properties of ferroelectric lead germanate single crystals doped with chromium ions (Pb ₅ Ge ₃ O ₁₁ :Cr ³⁺). Phase Transitions, 2018, 91, 923-931.	0.6	10
120	Phase Transitions in Lead Hafnate under High Pressure. Physics of the Solid State, 2019, 61, 1759-1765.	0.2	10
121	Enhanced 1.5 μ m emission of Er ³⁺ -doped multifunctional Bi ₂ ZnOB ₂ O ₆ microcrystals. Dalton Transactions, 2019, 48, 6283-6290.	1.6	10
122	Influence of Non-Stoichiometric Defects on Electrooptics in KNbO ₃ . Physica Status Solidi (B): Basic Research, 2000, 221, 815-829.	0.7	9
123	Crystal Growth Of Mixed Titanium Sillenites. Crystal Research and Technology, 2002, 37, 797.	0.6	9
124	Heat capacity and dielectric studies of ferroelectric superionic conductor RbNbWO ₆ . Solid State Ionics, 2004, 167, 309-315.	1.3	9
125	The piezo-induced second-order nonlinear optical effect in polyvinyl alcohol/YAB:Cr nanocomposites. Nanotechnology, 2004, 15, 1118-1121.	1.3	9
126	Optical properties of KGd(WO ₄) ₂ single crystals studied by Brillouin spectroscopy. Crystal Research and Technology, 2006, 41, 541-546.	0.6	9

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127	Comparison of the Density of States Obtained from the X-ray Photoelectron Spectra with the Electronic Structure Calculations for Bi_3O_6 . Japanese Journal of Applied Physics, 2009, 48, 011601.	0.8	9
128	Pre-Transitional Effect and an Intermediate Phase in the Antiferroelectric $\text{PbZr}_{0.80}\text{Sn}_{0.20}\text{O}_3$ Single Crystal. Ferroelectrics, 2010, 400, 89-95.	0.3	9
129	$\text{BaTeMo}_2\text{O}_9$ microcrystals as promising optically operated materials. Journal of Materials Science, 2013, 48, 5938-5945.	1.7	9
130	Effect of resistive switching and electrically driven insulator–conductor transition in PbZrO_3 single crystals. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 507-512.	0.8	9
131	Modulated Structures in PbHfO_3 Crystals at High-Pressure-High-Temperature Conditions. Defect and Diffusion Forum, 0, 386, 149-155.	0.4	9
132	Lattice dynamics of Bi_3TeBO_9 microcrystals: $\frac{1}{4}$ -Raman/IR spectroscopic investigation and ab initio analysis. Journal of Alloys and Compounds, 2019, 782, 488-495.	2.8	9
133	Up-conversion luminescence of RE^{3+} -doped polymer composites $\text{KGd}(\text{WO}_4)_2$ & PMMA. Optical Materials, 2019, 88, 366-371.	1.7	9
134	Title is missing!. Journal of Materials Science, 2001, 36, 219-224.	1.7	8
135	$\text{Pb}_4.7\text{Ba}_0.3\text{Ge}_3\text{O}_{11}$ Crystals as New Acoustically Induced Nonlinear Optical Materials. Crystal Research and Technology, 2001, 36, 527-533.	0.6	8
136	Highly photoconducting sillenite single crystals. Crystal Engineering, 2002, 5, 273-282.	0.7	8
137	Optical Properties of Bismuth Triborate (BIBO) Single Crystals. Ferroelectrics, 2005, 318, 77-82.	0.3	8
138	Heat capacity and high-resolution Brillouin scattering studies of phase transitions in $\text{K}_2\text{MgWO}_2(\text{PO}_4)_2$: Observation of the coupled soft optic and acoustic mode. Physical Review B, 2007, 75, .	1.1	8
139	Crystal growth and Judd–Ofelt analysis of novel Yb-doped $\text{RbNd}(\text{WO}_4)_2$ single crystals. Materials Letters, 2010, 64, 295-297.	1.3	8
140	Phonon, optical and dielectric properties of $\text{RbNd}(\text{WO}_4)_2$ laser crystal. Optical Materials, 2010, 32, 1463-1470.	1.7	8
141	Spectroscopic studies of $\text{KGd}(\text{WO}_4)_2:\text{Ho}^{3+}$ single crystals. Journal of Alloys and Compounds, 2011, 509, 1430-1435.	2.8	8
142	Potassium gadolinium tungstate nanocrystals doped with holmium ions as candidates for optical imaging. Applied Surface Science, 2018, 446, 139-144.	3.1	8
143	Nd^{3+} -doped $\text{Bi}_2\text{ZnOB}_2\text{O}_6$ phosphors for NIR emission. Journal of Luminescence, 2018, 203, 663-669.	1.5	8
144	Electrocaloric effect in pure and Cr doped lead germanate single crystals. Materials Chemistry and Physics, 2020, 242, 122494.	2.0	8

#	ARTICLE	IF	CITATIONS
145	Influence of Nb ⁵⁺ ions on phase transitions and polar disorder above T_C in PbZrO ₃ studied by Raman spectroscopy. Journal of the American Ceramic Society, 2020, 103, 3657-3666.	1.9	8
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