

# Andrzej Majchrowski

## List of Publications by Citations

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#	Paper	IF	Citations
259	The origin of antiferroelectricity in PbZrO <sub>3</sub> . <i>Nature Communications</i> , <b>2013</b> , 4, 2229	17.4	190
258	Femtosecond nonlinear frequency conversion based on BiB <sub>3</sub> O <sub>6</sub> . <i>Laser and Photonics Reviews</i> , <b>2010</b> , 4, 53-98	8.3	84
257	Photoinduced second harmonic generation in partially crystallized BiB <sub>3</sub> O <sub>6</sub> glass. <i>Optics Communications</i> , <b>2003</b> , 219, 421-426	2	69
256	High-average-power femtosecond pulse generation in the blue using BiB <sub>3</sub> O <sub>6</sub> . <i>Optics Letters</i> , <b>2004</b> , 29, 2530-2	3	68
255	Influence of YAB:Cr <sup>3+</sup> nanocrystallite sizes on two-photon absorption of YAB:Cr <sup>3+</sup> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2004</b> , 241, 3047-3055	1.3	66
254	Evaluation of Nd <sup>3+</sup> -doped BiB <sub>3</sub> O <sub>6</sub> (BIBO) as a new potential self-frequency conversion laser crystal. <i>Optics Communications</i> , <b>2002</b> , 203, 125-132	2	64
253	Several features of emission spectra of Pr <sup>3+</sup> ions incorporated into Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> glass matrices. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 053101	2.5	62
252	Top seeded solution growth of KHo(WO <sub>4</sub> ) <sub>2</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>2004</b> , 264, 201-207	1.6	62
251	Efficient third harmonic generation of microjoule picosecond pulses at 355nm in BiB <sub>3</sub> O <sub>6</sub> . <i>Applied Physics Letters</i> , <b>2006</b> , 89, 173124	3.4	61
250	Second-order non-linear optical effects in BiB <sub>3</sub> O <sub>6</sub> glass fibers. <i>Optical Materials</i> , <b>2004</b> , 25, 33-37	3.3	57
249	CsLiB <sub>6</sub> O <sub>10</sub> crystallites embedded into oligoether photopolymer matrices as new materials for acoustically induced nonlinear optics. <i>Optical Materials</i> , <b>2000</b> , 15, 51-58	3.3	55
248	Multifunctional Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> single crystals for second and third order nonlinear optical applications. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 231103	3.4	50
247	Mode softening, precursor phenomena, and intermediate phases in PbZrO <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	48
246	Effect of U on the electronic properties of neodymium gallate (NdGaO <sub>3</sub> ): theoretical and experimental studies. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 15237-42	3.4	43
245	Bi-functional laser and non-linear optical crystals. <i>Optical Materials</i> , <b>2006</b> , 28, 310-323	3.3	43
244	Lattice dynamics and temperature-dependent Raman and infrared studies of multiferroic Mn <sub>0.85</sub> Co <sub>0.15</sub> WO <sub>4</sub> and Mn <sub>0.97</sub> Fe <sub>0.03</sub> WO <sub>4</sub> crystals. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	39
243	Raman and IR spectra of K <sub>4</sub> Nb <sub>6</sub> O <sub>17</sub> and K <sub>4</sub> Nb <sub>6</sub> O <sub>17</sub> ·2H <sub>2</sub> O single crystals. <i>Journal of Raman Spectroscopy</i> , <b>2011</b> , 42, 209-213	2.3	36

242	Lattice dynamics and antiferroelectricity in PbZrO <sub>3</sub> tested by x-ray and Brillouin light scattering. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	33
241	Nonlinear optical effects in Bi <sub>12</sub> TiO <sub>20</sub> nanocrystallites embedded within a photopolymer matrix. <i>Optics Communications</i> , <b>2004</b> , 236, 123-129	2	32
240	Precursor dynamics, incipient ferroelectricity and huge anharmonicity in antiferroelectric lead zirconate PbZrO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 212202	1.8	30
239	Critical scattering and incommensurate phase transition in antiferroelectric PbZrO under pressure. <i>Scientific Reports</i> , <b>2017</b> , 7, 41512	4.9	29
238	Crystal structure and vibrational properties of KMg <sub>4</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Solid State Sciences</i> , <b>2005</b> , 7, 1201-1208	3.4	29
237	IR-induced second-harmonic generation in PbSe microcrystallites. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 3533-3544	1.8	28
236	Crystal structure and vibrational properties of nonlinear Eu <sub>3</sub> BWO <sub>9</sub> and Nd <sub>3</sub> BWO <sub>9</sub> crystals. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3595-3602	3.3	27
235	ZnSe:Co <sup>2+</sup> nonlinear optical absorber for giant-pulse eye-safe lasers. <i>Optics and Laser Technology</i> , <b>2003</b> , 35, 169-172	4.2	25
234	Structure and properties of the KNbW <sub>2</sub> O <sub>9</sub> hexagonal bronze doped with Eu <sup>3+</sup> ions as an optically active probe. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 380, 248-254	5.7	25
233	A pump-power-controlled luminescent switcher. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 011920	3.4	25
232	Crystal structure and phonon properties of noncentrosymmetric LiNaB <sub>4</sub> O <sub>7</sub> . <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 410-419	3.3	24
231	A neutron diffuse scattering study of PbZrO <sub>3</sub> and Zr-rich PbZr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> . <i>Journal of Applied Crystallography</i> , <b>2015</b> , 48, 1637-1644	3.8	23
230	Crystal structure and lattice dynamics of Sr <sub>3</sub> Y(BO <sub>3</sub> ) <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 3211-3216	3.6	23
229	LiNaB <sub>4</sub> O <sub>7</sub> Crystals as a Material for Optically Induced Elastoopticity. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 2779-2782	3.5	22
228	The noise of many needles: Jerky domain wall propagation in PbZrO <sub>3</sub> and LaAlO <sub>3</sub> . <i>APL Materials</i> , <b>2017</b> , 5, 046102	5.7	21
227	Photoinduced nonlinear optical effects in the Pr doped BiB <sub>3</sub> O <sub>6</sub> glass nanoparticles incorporated into the polymer matrices. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 485, 29-32	5.7	21
226	Photoinduced non-linear optical effects in lanthanum calcium borate single crystals. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 1927-1932	4.3	21
225	Visible and near-infrared up-conversion luminescence of KGd(WO <sub>4</sub> ) <sub>2</sub> micro-crystals doped with Er <sup>3+</sup> , Tm <sup>3+</sup> , Ho <sup>3+</sup> and Yb <sup>3+</sup> ions. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 684, 271-281	5.7	21

224	Phase transitions and interrelated instabilities in PbHfO <sub>3</sub> single crystals. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 105901	1.8	20
223	Z-scan analysis and ab initio studies of EBaTeMo <sub>2</sub> O <sub>9</sub> single crystal. <i>Solid State Sciences</i> , <b>2014</b> , 27, 30-35	3.4	20
222	Up-conversion emission in KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals triply-doped with Er <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> , Tb <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> and Pr <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> ions. <i>Optical Materials</i> , <b>2011</b> , 33, 1595-1601	3.3	20
221	Simulation of nonlinear optical absorption in ZnSe:Co <sup>2+</sup> crystals. <i>Optics and Laser Technology</i> , <b>2006</b> , 38, 558-564	4.2	20
220	Growth and Properties of Potassium Holmium Double Tungstate KHo(WO <sub>4</sub> ) <sub>2</sub> . <i>Crystal Research and Technology</i> , <b>2001</b> , 36, 283-287	1.3	20
219	Vibrational properties of ferroelectric hexagonal tungsten bronzes AB <sub>x</sub> W <sub>3</sub> O <sub>9</sub> , where A = K, Rb, Cs and B = Nb, Ta, Zr, Cr. <i>Journal of Raman Spectroscopy</i> , <b>2001</b> , 32, 929-936	2.3	19
218	Band structure features of nonlinear optical yttrium aluminium borate crystal. <i>Solid State Sciences</i> , <b>2008</b> , 10, 1445-1448	3.4	18
217	UV-induced nonlinear absorption in lanthanum calcium borate single crystals. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 9090-4	3.4	18
216	Analytical use of the stereographic Wulff net for single-crystal orientation for 1-, 2- and 3-rotated cuts. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 255-259	3.8	18
215	Characterization of bismuth triborate single crystal using Brillouin and Raman spectroscopy. <i>Crystal Research and Technology</i> , <b>2005</b> , 40, 459-465	1.3	18
214	Vibrational spectra of KNbW <sub>2</sub> O <sub>9</sub> hexagonal tungsten bronze. <i>Journal of Raman Spectroscopy</i> , <b>2001</b> , 32, 287-291	2.3	18
213	Spectroscopic properties of KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals doped with Er <sup>3+</sup> , Ho <sup>3+</sup> , Tm <sup>3+</sup> and Yb <sup>3+</sup> ions: Luminescence and micro-Raman investigations. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 577, 687-692	5.7	17
212	Electrical, thermal, and dielectric properties of PbZr <sub>1-x</sub> Sn <sub>x</sub> O <sub>3</sub> (0 ≤ x ≤ 0.3) single crystals. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 3229-3234	4.3	17
211	Brillouin scattering, DSC, dielectric and X-ray diffraction studies of phase transitions in antiferroelectric PbHfO <sub>3</sub> :Sn. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 935-941	5.7	16
210	Preparation and fluorescence properties of La <sub>2</sub> CaB <sub>10</sub> O <sub>19</sub> crystals doped with Pr <sup>3+</sup> ions. <i>Journal of Crystal Growth</i> , <b>2011</b> , 334, 122-125	1.6	16
209	Bifunctional Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> :Nd <sup>3+</sup> Single Crystal for Near Infrared Lasers: Luminescence and Raman Investigations. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 3656-3664	3.5	15
208	Spectroscopic properties of Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> single crystals doped with Pr <sup>3+</sup> ions: Absorption and luminescence investigations. <i>Optical Materials</i> , <b>2015</b> , 47, 428-434	3.3	15
207	Vibrational properties of nonlinear optical Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> single crystals doped with Pr <sup>3+</sup> : Raman investigations. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 610, 600-605	5.7	15

206	Vibrational properties of the nonlinear optical crystal $\text{BaTeMo}_2\text{O}_9$ . <i>Vibrational Spectroscopy</i> , <b>2013</b> , 64, 158-163	2.1	15
205	Growth and characterization of acentric $\text{BaHf}(\text{BO}_3)_2$ and $\text{BaZr}(\text{BO}_3)_2$ . <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 225, 330-334	3.3	15
204	Optically induced changes of absorption in polymer-dispersed liquid crystals doped with inorganic nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2010</b> , 21, 659-665	2.1	15
203	UV-induced two-photon absorption in $\text{BiB}_3\text{O}_6$ single crystals. <i>Optics Communications</i> , <b>2005</b> , 250, 334-343		15
202	IR-induced nonlinear optics in Ge-doped $\text{Bi}_{12}\text{TiO}_{20}$ large-sized nanocrystallites. <i>Optics and Lasers in Engineering</i> , <b>2005</b> , 43, 75-83	4.6	15
201	Defect-induced phase transitions in $\text{YAl}_3(\text{BO}_3)_4:\text{Nd}$ (NYAB) crystals. <i>Ferroelectrics, Letters Section</i> , <b>2002</b> , 29, 31-36	0.5	15
200	Optical transitions of $\text{Pr}^{3+}$ ions in $\text{Ca}_4\text{GdO}(\text{BO}_3)_3$ crystals. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 323-324, 214-217	5.7	15
199	Crystallographic and optical study of $\text{PbHfO}_3$ crystals. <i>Journal of Applied Crystallography</i> , <b>2017</b> , 50, 378-384	5.8	14
198	Lattice dynamics in the paraelectric phase of $\text{PbHfO}_3$ studied by inelastic x-ray scattering. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 335901	1.8	14
197	Photoinduced optical effects in rare earth doped $\text{BiB}_3\text{O}_6$ . <i>Materials Letters</i> , <b>2014</b> , 122, 114-116	3.3	14
196	Influence of $\text{Tm}^{3+}$ concentration on the non-linear optical effects of the $\text{BiB}_3\text{O}_6:\text{Tm}^{3+}$ glass nanoparticle-doped polymer. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 015103	3	14
195	Temperature-dependent Raman scattering study of the defect pyrochlores $\text{RbNbWO}_6$ and $\text{CsTaWO}_6$ . <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 195902	1.8	14
194	Optical features of calcium neodymium oxyborate $\text{Ca}_4\text{NdO}(\text{BO}_3)_3$ doped by $\text{Yb}^{3+}$ . <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 481, 14-16	5.7	14
193	Absorption and luminescence spectra of $\text{KHo}(\text{WO}_4)_2$ and $\text{KEr}(\text{WO}_4)_2$ single crystals. <i>Journal of Applied Spectroscopy</i> , <b>2004</b> , 71, 888-892	0.7	14
192	Elastic anomalies associated with the antiferroelectric phase transitions of $\text{PbHfO}_3$ single crystals. <i>Journal of the Korean Physical Society</i> , <b>2014</b> , 64, 1169-1173	0.6	13
191	Phonons in nonlinear optical $\text{BiB}_3\text{O}_6$ crystal: Raman and infrared spectra and lattice dynamics. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 575, 86-89	5.7	13
190	Modified Pechini synthesis of $\text{Bi}_2\text{ZnB}_2\text{O}_7$ nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 725, 587-597	5.7	13
189	Growth and piezoelectric features of $\text{La}_2\text{CaB}_{10}\text{O}_{19}$ crystals doped with $\text{Pr}^{3+}$ ions. <i>Journal of Crystal Growth</i> , <b>2012</b> , 344, 27-30	1.6	13

188	Up-conversion emission in triply-doped Ho <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals. <i>Optics Communications</i> , <b>2011</b> , 284, 2895-2899	2	13
187	Spectroscopy of Ca <sub>4</sub> GdO(BO <sub>3</sub> ) <sub>3</sub> (GdCOB): Pr <sup>3+</sup> single crystals. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 465, 24-34	5-7	13
186	Optical second harmonic generation in Yttrium Aluminum Borate single crystals (theoretical simulation and experiment). <i>PMC Physics B</i> , <b>2008</b> , 1,		13
185	Two-photon absorption in YAB:Cr <sup>3+</sup> nanocrystallites. <i>Optical Materials</i> , <b>2005</b> , 27, 675-678	3-3	13
184	Density of band states in the CsLiB <sub>6</sub> O <sub>10</sub> crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2001</b> , 280, 70-76	2-3	13
183	Excited state absorption in chromium doped Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> glass. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 2701-2716	1.8	13
182	Phase transitions in PbZr <sub>0.72</sub> Sn <sub>0.28</sub> O <sub>3</sub> single crystals studied by Raman spectroscopy. <i>Phase Transitions</i> , <b>2016</b> , 89, 768-776	1-3	13
181	Tailoring Nd <sup>3+</sup> luminescence characteristics by Yb <sup>3+</sup> doping in K <sub>5</sub> Nd(MoO <sub>4</sub> ) <sub>4</sub> , RbNd(WO <sub>4</sub> ) <sub>2</sub> and NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> crystal matrices. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 639, 577-582	5-7	12
180	Triggered incommensurate transition in PbHfO <sub>3</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3-3	12
179	Specific features of fluorescence kinetics of Pr <sup>3+</sup> doped BiB <sub>3</sub> O <sub>6</sub> glasses. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 538, 220-223	5-7	12
178	Electro-optical properties of BixLayScz(BO <sub>3</sub> ) <sub>4</sub> (x + y + z = 4) nanocrystallites having huntite structure incorporated into polymer matrices. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 488, 291-293	5-7	12
177	Influence of Ca <sub>4</sub> GdO(BO <sub>3</sub> ) <sub>3</sub> doping on its properties. <i>Journal of Crystal Growth</i> , <b>2002</b> , 237-239, 641-644	1.6	12
176	Pressure- and temperature-dependent Raman studies of KNbW <sub>2</sub> O <sub>9</sub> hexagonal tungsten bronze. <i>Journal of Raman Spectroscopy</i> , <b>2003</b> , 34, 199-204	2-3	12
175	Nonlinear optical features of BiB <sub>3</sub> O <sub>6</sub> /PVA polymer nanocomposites deposited on aluminum-doped zinc oxide substrates containing Ag nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2014</b> , 64, 1-6	3	11
174	Microcrystalline Bi <sub>2</sub> ZnB <sub>2</sub> O <sub>7</sub> -polymer composites with silver nanoparticles as materials for laser operated devices. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2014</b> , 25, 2426-2434	2-1	11
173	Photoinduced nonlinear optical effects in Nd-doped BiB <sub>3</sub> O <sub>6</sub> crystals. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 610, 82-85	5-7	11
172	Lattice dynamics and pressure-induced phase transitions in BaTeMo <sub>2</sub> O <sub>9</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 125404	1.8	11
171	Judd-Ofelt analysis and optically stimulated two-photon absorption of Yb <sup>3+</sup> -doped NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> single crystals. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 491, 26-29	5-7	11

170	Short-wavelength luminescence in Ho <sup>3+</sup> -doped KGd(WO <sub>4</sub> ) <sub>2</sub> crystals. <i>Journal of Luminescence</i> , <b>2009</b> , 129, 1505-1508	3.8	11
169	Low-temperature vibrational properties of KGd(WO <sub>4</sub> ) <sub>2</sub> : (Er, Yb) single crystals studied by Raman spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , <b>2009</b> , 70, 1242-1247	3.9	11
168	Enhancement of the Kerr response in polymer-dispersed liquid crystal complexes due to incorporation of BiB <sub>3</sub> O <sub>6</sub> nanocrystallites. <i>Materials Letters</i> , <b>2010</b> , 64, 1176-1178	3.3	11
167	Acoustically induced optical second harmonic generation in Pb <sub>4.7</sub> Ba <sub>0.3</sub> Ge <sub>3</sub> O <sub>11</sub> crystals. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 1160-1164	2.5	11
166	Czochralski growth of TeO <sub>2</sub> single crystals under conditions of forced convection in the melt. <i>Journal of Crystal Growth</i> , <b>1992</b> , 116, 364-368	1.6	11
165	Enhanced Polarization Fluctuations in PbZr <sub>0.72</sub> Sn <sub>0.28</sub> O <sub>3</sub> Compared to PbZrO <sub>3</sub> Single Crystals Studied by Brillouin Light Scattering. <i>Ferroelectrics</i> , <b>2015</b> , 479, 1-7	0.6	10
164	Bi <sub>3</sub> TeBO <sub>9</sub> : electronic structure, optical properties and photoinduced phenomena. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 1217-1226	4.3	10
163	Pressure-induced phase transitions in BaTeMo <sub>2</sub> O <sub>9</sub> . <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 579, 236-242	3.7	10
162	Microstructural and nonlinear optical properties of Bi <sub>2</sub> ZnB <sub>2</sub> O <sub>7</sub> :RE <sup>3+</sup> powders. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 694, 959-970	5.7	10
161	Temperature-dependent Raman scattering study of tin modified PbZrO <sub>3</sub> and PbHfO <sub>3</sub> single crystals. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 644, 854-861	5.7	10
160	High-resolution Brillouin scattering studies of phase transitions and precursor phenomena in PbZr <sub>0.78</sub> Sn <sub>0.22</sub> O <sub>3</sub> single crystals. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 587, 273-277	5.7	10
159	Micro-Raman investigation of KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals triply-doped with Pr <sup>3+</sup> /Tm <sup>3+</sup> /Yb <sup>3+</sup> , Ho <sup>3+</sup> /Tm <sup>3+</sup> /Yb <sup>3+</sup> and Er <sup>3+</sup> /Tm <sup>3+</sup> /Yb <sup>3+</sup> ions. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 6354-6358	5.7	10
158	Spectroscopy of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Cr <sup>3+</sup> crystals following first principles and crystal field calculations. <i>Philosophical Magazine</i> , <b>2010</b> , 90, 4569-4578	1.6	10
157	Kerr modulators based on polymer-dispersed liquid crystal complexes. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2010</b> , 21, 1020-1023	2.1	10
156	Temperature anomalies of emission spectra of Nd:Yb:La <sub>2</sub> CaB <sub>10</sub> O <sub>19</sub> single crystals. <i>Current Opinion in Solid State and Materials Science</i> , <b>2008</b> , 12, 32-38	12	10
155	Optically induced linear electro-optic effects in ytterbium-doped strontium yttrium borate Sr <sub>3</sub> Y(BO <sub>3</sub> ) <sub>3</sub> :Yb nanocrystallites incorporated into polymer matrices. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 131106	3.4	10
154	Growth and spectroscopic characterization of Nd <sub>3</sub> BWO <sub>9</sub> single crystal. <i>Journal of Crystal Growth</i> , <b>2003</b> , 247, 467-471	1.6	10
153	Evaluation of GdCOB:Nd <sup>3+</sup> for self-frequency doubling in the optimum phase matching direction. <i>Optics Communications</i> , <b>2003</b> , 217, 395-400	2	10



152	Influence of the rare-earth doping on the photoinduced EOE in the GdCOB. <i>Materials Letters</i> , <b>2002</b> , 57, 130-133	3.3	10
151	Czochralski growth of lithium tetraborate single crystals. <i>Materials Letters</i> , <b>1991</b> , 11, 281-283	3.3	10
150	Micro-Raman scattering and dielectric investigations of phase transitions behavior in the PbHf <sub>0.7</sub> Sn <sub>0.3</sub> O <sub>3</sub> single crystal. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 104104	2.5	9
149	BiBaTeMo <sub>2</sub> O <sub>9</sub> microcrystals as promising optically operated materials. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 5938-5945	4.3	9
148	Pre-Transitional Effect and an Intermediate Phase in the Antiferroelectric PbZr <sub>0.80</sub> Sn <sub>0.20</sub> O <sub>3</sub> Single Crystal. <i>Ferroelectrics</i> , <b>2010</b> , 400, 89-95	0.6	9
147	Comparison of the Density of States Obtained from the X-ray Photoelectron Spectra with the Electronic Structure Calculations for BiB <sub>3</sub> O <sub>6</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 011601	1.4	9
146	Lattice dynamics and high-pressure Raman scattering studies of ferroelectric K <sub>2</sub> MgWO <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> . <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	9
145	Elastic properties of KGd(WO <sub>4</sub> ) <sub>2</sub> :Ho <sup>3+</sup> single crystals studied by Brillouin spectroscopy. <i>Crystal Research and Technology</i> , <b>2007</b> , 42, 1370-1375	1.3	9
144	Optical properties of KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals studied by Brillouin spectroscopy. <i>Crystal Research and Technology</i> , <b>2006</b> , 41, 541-546	1.3	9
143	Heat capacity and dielectric studies of ferroelectric superionic conductor RbNbWO <sub>6</sub> . <i>Solid State Ionics</i> , <b>2004</b> , 167, 309-315	3.3	9
142	The piezo-induced second-order nonlinear optical effect in polyvinyl alcohol/YAB:Cr nanocomposites. <i>Nanotechnology</i> , <b>2004</b> , 15, 1118-1121	3.4	9
141	Influence of Non-Stoichiometric Defects on Electrooptics in KNbO <sub>3</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2000</b> , 221, 815-829	1.3	9
140	Influence of Cr <sup>3+</sup> doping on the enhanced dielectric and nonlinear optical features of pyroelectric Pb <sub>5</sub> Ge <sub>3</sub> O <sub>11</sub> single crystals. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 213, 461-471	4.4	8
139	Nd <sup>3+</sup> -doped Bi <sub>2</sub> ZnO <sub>2</sub> O <sub>6</sub> phosphors for NIR emission. <i>Journal of Luminescence</i> , <b>2018</b> , 203, 663-669	3.8	8
138	Spectroscopic studies of KGd(WO <sub>4</sub> ) <sub>2</sub> :Ho <sup>3+</sup> single crystals. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 1430-1435	5.7	8
137	Crystal growth and Judd-Ofelt analysis of novel Yb-doped RbNd(WO <sub>4</sub> ) <sub>2</sub> single crystals. <i>Materials Letters</i> , <b>2010</b> , 64, 295-297	3.3	8
136	Optical second harmonic generation in CsLiB <sub>6</sub> O <sub>10</sub> nanocrystallites incorporated to the polyether photopolymer matrices induced by acoustical field. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 219-224	4.3	8
135	Domain wall motion and precursor dynamics in PbZrO <sub>3</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	8



134	Photoluminescence properties of Pr <sup>3+</sup> doped Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> microcrystals and PMMA-based composites. <i>Optical Materials</i> , <b>2016</b> , 62, 72-79	3.3	8
133	Potassium gadolinium tungstate nanocrystals doped with holmium ions as candidates for optical imaging. <i>Applied Surface Science</i> , <b>2018</b> , 446, 139-144	6.7	7
132	Dielectric dispersion and Raman spectroscopy in PbHfO <sub>3</sub> single crystals modified by addition of Sn ions. <i>Phase Transitions</i> , <b>2015</b> , 88, 1010-1017	1.3	7
131	Nonlinear optical properties of polymer dispersed liquid crystals doped with La <sub>2</sub> CaB <sub>10</sub> O <sub>19</sub> . <i>Optical Materials</i> , <b>2012</b> , 34, 1704-1707	3.3	7
130	Changes of fluorescent spectral features after successive rare earth doping of gadolinium oxide powders. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 511, 221-225	5.7	7
129	Specific features of fluorescence kinetics of BiBO:Dy <sup>3+</sup> glasses. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 520, 89-92	5.7	7
128	Effect of resistive switching and electrically driven insulator-conductor transition in PbZrO <sub>3</sub> single crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2013</b> , 210, 507-512	1.6	7
127	Phonon, optical and dielectric properties of RbNd(WO <sub>4</sub> ) <sub>2</sub> laser crystal. <i>Optical Materials</i> , <b>2010</b> , 32, 1463-1470	3.7	7
126	Heat capacity and high-resolution Brillouin scattering studies of phase transitions in K <sub>2</sub> MgWO <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> : Observation of the coupled soft optic and acoustic mode. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	7
125	Highly photoconducting sillenite single crystals. <i>Crystal Engineering</i> , <b>2002</b> , 5, 273-282		7
124	Modulated Structures in PbHfO <sub>3</sub> Crystals at High-Pressure-High-Temperature Conditions. <i>Defect and Diffusion Forum</i> , <b>2018</b> , 386, 149-155	0.7	7
123	Phase Transitions in Lead Hafnate under High Pressure. <i>Physics of the Solid State</i> , <b>2019</b> , 61, 1759-1765	0.8	6
122	Light propagation properties of the Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> acentric biaxial crystal: Angular orbital momentum from conical diffraction. <i>Optical Materials</i> , <b>2019</b> , 91, 286-291	3.3	6
121	Enhanced 1.5 $\mu$ m emission of Er-doped multifunctional BiZnOBO microcrystals. <i>Dalton Transactions</i> , <b>2019</b> , 48, 6283-6290	4.3	6
120	Modal disorder and phase transition in Rb <sub>0.91</sub> Nb <sub>0.96</sub> W <sub>1.04</sub> O <sub>5.98</sub> . Interpretation of X-ray diffuse scattering using the group theory approach. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 230, 325-336	3.3	6
119	A contribution to understanding the complex phase diagram of PZT compounds. <i>Ferroelectrics</i> , <b>2016</b> , 500, 67-75	0.6	6
118	Raman and IR spectroscopic study of a nonlinear optical crystal, La <sub>2</sub> CaB <sub>10</sub> O <sub>19</sub> . <i>Vibrational Spectroscopy</i> , <b>2016</b> , 82, 53-59	2.1	6
117	Growth and characterization of nonlinear optical telluromolybdate CoTeMoO <sub>6</sub> single crystals. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 220, 142-148	3.3	6

116	All-optical operation by optical susceptibilities of Ca <sub>4</sub> NdO(BO <sub>3</sub> ) <sub>3</sub> :Yb single crystals. <i>Journal of Modern Optics</i> , <b>2010</b> , 57, 657-661	1.1	6
115	Electrooptics parameters of the BiBO:Tm <sup>3+</sup> glass nanoparticles embedded in polymer matrices. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2010</b> , 21, 726-729	2.1	6
114	Spectroscopic studies of Nd <sup>3+</sup> and Er <sup>3+</sup> in KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals. <i>Journal of Luminescence</i> , <b>2010</b> , 130, 623-630	3.8	6
113	Crystal Growth Of Mixed Titanium Sillenites. <i>Crystal Research and Technology</i> , <b>2002</b> , 37, 797	1.3	6
112	CsLiB <sub>6</sub> O <sub>10</sub> crystallites embedded into the photopolymer matrices as promising materials for acoustically induced electrooptics. <i>Materials Letters</i> , <b>2001</b> , 50, 164-171	3.3	6
111	Up-conversion luminescence of RE <sup>3+</sup> -doped polymer composites KGd(WO <sub>4</sub> ) <sub>2</sub> &PMMA. <i>Optical Materials</i> , <b>2019</b> , 88, 366-371	3.3	6
110	Vibrational properties of PbHf <sub>0.975</sub> Sn <sub>0.025</sub> O <sub>3</sub> single crystal at high pressures. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 014101	2.5	6
109	Thermal analysis of phase transitions in PbZr <sub>1-x</sub> Sn <sub>x</sub> O <sub>3</sub> antiferroelectric single crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 128, 713-719	4.1	5
108	Local properties and phase transitions in Sn doped antiferroelectric PbHfO single crystal. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 435402	1.8	5
107	Effect of Sn substitution on the elastic anomalies and phase transition behaviors of antiferroelectric PbHfO <sub>3</sub> single crystals studied by Brillouin scattering. <i>Current Applied Physics</i> , <b>2018</b> , 18, 642-647	2.6	5
106	Optically operated linear electrooptical effect in Bi <sup>3+</sup> /Nd <sup>3+</sup> B <sub>3</sub> O <sub>6</sub> /polymer composites. <i>Optics Communications</i> , <b>2016</b> , 364, 13-17	2	5
105	Up-conversion luminescence of rare earth-doped KGd(WO <sub>4</sub> ) <sub>2</sub> phosphors for tunable multicolour light generation. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 9847-9856	3.6	5
104	Acoustically induced optical effects in Pr <sup>3+</sup> and Tm <sup>3+</sup> doped calcium gadolinium oxyborate nanocomposites. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3473-3475	5.7	5
103	Photo-induced optical effects in Nd-containing oxides. <i>Current Applied Physics</i> , <b>2011</b> , 11, 331-333	2.6	5
102	NONLINEAR ELECTROSTRICTIVE PROPERTIES OF PbZrO <sub>3</sub> :Sn SINGLE CRYSTALS WITH ANTIFERROELECTRIC PHASE TRANSITIONS. <i>Journal of Advanced Dielectrics</i> , <b>2011</b> , 01, 223-227	1.3	5
101	Crystal growth and spectroscopic studies of novel Yb-doped K <sub>5</sub> Nd(MoO <sub>4</sub> ) <sub>4</sub> single crystals. <i>Materials Letters</i> , <b>2010</b> , 64, 2363-2365	3.3	5
100	Raman and IR spectra of noncentrosymmetric Bi <sub>0.21</sub> La <sub>0.91</sub> Sc <sub>2.88</sub> (BO <sub>3</sub> ) <sub>4</sub> single crystal with the huntite-type structure. <i>Journal of Raman Spectroscopy</i> , <b>2010</b> , 41, 1297-1301	2.3	5
99	Optical operation by elasto-optical dispersion of Nd-containing oxide crystals. <i>Optics Communications</i> , <b>2010</b> , 283, 1378-1380	2	5

98	Spectroscopic properties of KGd(WO <sub>4</sub> ) <sub>2</sub> : (Er, Yb) single crystals studied by Brillouin scattering method. <i>Optical Materials</i> , <b>2007</b> , 30, 152-154	3.3	5
97	Pockels effect in yttrium aluminum borate single crystals. <i>Laser Physics</i> , <b>2008</b> , 18, 1204-1206	1.2	5
96	Direct evidence of an order-disorder nature of ferroelectric phase transitions in K <sub>2</sub> MgWO <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2007</b> , 90, 122903	3.4	5
95	Brillouin scattering in RbNbWO <sub>6</sub> . <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 3781-3784	2.5	5
94	FTIR absorption study of hydroxyl ions in KHo(WO <sub>4</sub> ) <sub>2</sub> single crystals. <i>Crystal Research and Technology</i> , <b>2005</b> , 40, 444-448	1.3	5
93	Pb <sub>4.7</sub> Ba <sub>0.3</sub> Ge <sub>3</sub> O <sub>11</sub> Crystals as New Acoustically Induced Nonlinear Optical Materials. <i>Crystal Research and Technology</i> , <b>2001</b> , 36, 527-533	1.3	5
92	Optical properties of ADy(WO <sub>4</sub> ) <sub>2</sub> single crystals (A=K,Rb,Cs) <b>1999</b> , 3724, 292		5
91	Czochralski growth of oxide single crystals under conditions of forced convection in the melt. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1993</b> , 173, 19-22	5.3	5
90	Spectroscopic characterization of orthorhombic BiB <sub>3</sub> O <sub>6</sub> phase nonlinear single crystal doped with Pr <sup>3+</sup> ions. <i>Journal of Luminescence</i> , <b>2019</b> , 207, 251-257	3.8	5
89	Additional phase transition in a PbZr <sub>0.87</sub> Ti <sub>0.13</sub> O <sub>3</sub> single crystal. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 115302	3	5
88	Near-infrared luminescence of Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> :Nd <sup>3+</sup> /PMMA composite. <i>Optical Materials</i> , <b>2018</b> , 75, 13-18	3.3	5
87	BiB <sub>3</sub> O <sub>6</sub> :Nd crystals as promising laser operated piezoelectric materials. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 620, 337-339	5.7	4
86	Transition intensity analysis and emission properties of Eu <sup>3+</sup> : Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> acentric biaxial single crystal. <i>Optical Materials</i> , <b>2020</b> , 107, 110045	3.3	4
85	Effect of Sn Addition on Thermodynamic, Dielectric, Optical, and Acoustic Properties of Lead Hafnate. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2020</b> , 217, 1900958	1.6	4
84	Influence of Nb <sup>5+</sup> ions on phase transitions and polar disorder above TC in PbZrO <sub>3</sub> studied by Raman spectroscopy. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 3657-3666	3.8	4
83	Temperature anomalies of the laser stimulated elasto-optical effect in PbZrO <sub>3</sub> single crystals. <i>Materials Letters</i> , <b>2012</b> , 84, 114-115	3.3	4
82	Thermal hysteresis of local instabilities in paraelectric phase of PbZr <sub>0.96</sub> Sn <sub>0.04</sub> O <sub>3</sub> single crystals. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 187209	2.5	4
81	Laser operated elasto-optical features of La <sub>2</sub> CaB <sub>10</sub> O <sub>19</sub> :Pr <sup>3+</sup> polymer nanocomposites. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 2577-2580	3.8	4

80	Vibrational properties of RbNd(WO <sub>4</sub> ) <sub>2</sub> : high pressure Raman study, structural and phonon calculations. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 405901	1.8	4
79	The low temperature magnetic properties of potassium holmium double tungstate. <i>Open Physics</i> , <b>2011</b> , 9,	1.3	4
78	Laser stimulated bistability in the Yb doped Nd gallate. <i>Materials Letters</i> , <b>2009</b> , 63, 1410-1412	3.3	4
77	Vibrational properties of Nd <sup>3+</sup> , Eu <sup>3+</sup> , Er <sup>3+</sup> and Ho <sup>3+</sup> doped KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals studied by Raman scattering method. <i>Physics Procedia</i> , <b>2009</b> , 2, 539-550		4
76	Strong nonlinear electrostriction in PbZr <sub>1-x</sub> Sn <sub>x</sub> O <sub>3</sub> antiferroelectric crystals with 0.11. <i>Phase Transitions</i> , <b>2011</b> , 84, 521-527	1.3	4
75	Electro-optical modulators in polymer-dispersed liquid crystal complexes. <i>Optics and Lasers in Engineering</i> , <b>2010</b> , 48, 856-858	4.6	4
74	Optical Properties of Bismuth Triborate (BIBO) Single Crystals. <i>Ferroelectrics</i> , <b>2005</b> , 318, 77-82	0.6	4
73	Spectroscopic properties of KGd(WO <sub>4</sub> ) <sub>2</sub> and KGd(WO <sub>4</sub> ) <sub>2</sub> :Ho <sup>3+</sup> single crystals studied by Brillouin and Raman scattering methods. <i>Journal of Molecular Structure</i> , <b>2006</b> , 792-793, 139-145	3.4	4
72	KGW:Yb, Er single crystals growth for eye-safe lasers <b>2003</b> ,		4
71	Crystal growth and x-ray structure investigation of the KHo(WO <sub>4</sub> ) <sub>2</sub> <b>2003</b> ,		4
70	Structural Phase Transition in K <sub>1-x</sub> Cs <sub>x</sub> Dy(WO <sub>4</sub> ) <sub>2</sub> Single Crystals. <i>Crystal Research and Technology</i> , <b>2000</b> , 35, 1343-1346	1.3	4
69	Blue coloration of KNbO <sub>3</sub> single crystals <b>1995</b> ,		4
68	Weak ferromagnetic response in PbZr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> single crystals. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 11085-11089	7.1	3
67	YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :TM (TM = Mn, Co, Cr) nanocrystals synthesis for laser operated nonlinear optics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2013</b> , 24, 1485-1489	2.1	3
66	Chirality versus dichroism: Competition and role in conical diffraction displayed from the Nd:Bi <sub>2</sub> ZnO <sub>6</sub> acentric biaxial laser crystal. <i>Optical Materials</i> , <b>2017</b> , 72, 813-820	3.3	3
65	Elastic properties of KY(WO <sub>4</sub> ) <sub>2</sub> single crystals studied by Brillouin spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 492, 671-674	5.7	3
64	Optical features of Ca <sub>4</sub> NdO(BO <sub>3</sub> ) <sub>3</sub> :Yb single crystals under CW laser illumination. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 504, 197-200	5.7	3
63	Spectroscopic study of the Pr-doped BiBO glass and Ca <sub>4</sub> GdO(BO <sub>3</sub> ) <sub>3</sub> single crystals. <i>Journal of Rare Earths</i> , <b>2009</b> , 27, 612-615	3.7	3


62	Detection of Yb impurities in the VUV spectral range of NdGaO <sub>3</sub> crystals. <i>Optics Communications</i> , <b>2010</b> , 283, 3998-4003	2	3
61	Optical properties of Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> glasses doped with rare-earth and transition-metal ions <b>2001</b> ,		3
60	Optical properties of doped potassium gadolinium tungstate single crystals <b>2001</b> ,		3
59	Crystal growth, IR specular reflectance and polarized Raman studies of LiNaMoO polar single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 228, 117850	4.4	3
58	Lattice dynamics and high-pressure Raman scattering studies of CoTeMoO <sub>6</sub> crystal. <i>Vibrational Spectroscopy</i> , <b>2016</b> , 84, 153-158	2.1	3
57	Short-wavelength luminescence of Eu <sup>3+</sup> -doped KGd(WO <sub>4</sub> ) <sub>2</sub> crystals. <i>Optical Materials</i> , <b>2019</b> , 98, 109507	3.3	3
56	Thermal and dielectric properties of ferroelectric lead germanate single crystals doped with chromium ions (Pb <sub>5</sub> Ge <sub>3</sub> O <sub>11</sub> :Cr <sup>3+</sup> ). <i>Phase Transitions</i> , <b>2018</b> , 91, 923-931	1.3	3
55	Influence of La <sup>3+</sup> ions on Bi <sub>1-x</sub> La <sub>x</sub> B <sub>3</sub> O <sub>6</sub> powders structure and photo-induced optical properties of their polymer composites. <i>Materials Letters</i> , <b>2016</b> , 162, 114-116	3.3	2
54	Significant photoinduced increment of reflectivity coefficient in LiNa <sub>5</sub> Mo <sub>9</sub> O <sub>30</sub> . <i>Current Applied Physics</i> , <b>2017</b> , 17, 1100-1107	2.6	2
53	Peculiarities of antiferroelectric phase transitions in PbZr <sub>0.71</sub> Sn <sub>0.29</sub> O <sub>3</sub> crystal investigated by Mössbauer effect. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700137	1.3	2
52	Absorption, fluorescence and second harmonic generation in Cr <sup>3+</sup> -doped BiB <sub>3</sub> O <sub>6</sub> glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 145, 325-328	4.4	2
51	Laser induced third harmonic generation in Bi <sub>1-x</sub> Nd <sub>x</sub> B <sub>3</sub> O <sub>6</sub> nanocomposites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 78, 31-34	3	2
50	Specific features of Tm <sup>3+</sup> doped BiB <sub>3</sub> O <sub>6</sub> glasses fluorescence spectra and their kinetics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 87, 151-4	4.4	2
49	BiB <sub>3</sub> O <sub>6</sub> :Pr <sup>3+</sup> : polymer nanocomposites deposited on substrates with silver nanoparticles for nonlinear optics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 7134-7139	2.1	2
48	The magnetic properties of potassium holmium double tungstate. <i>Low Temperature Physics</i> , <b>2011</b> , 37, 678-683	0.7	2
47	Photothermally Induced Bistability of Emission of Yb-doped Ca <sub>4</sub> NdO(BO <sub>3</sub> ) <sub>3</sub> Single Crystals. <i>Spectroscopy Letters</i> , <b>2010</b> , 43, 389-392	1.1	2
46	Laser-induced, second-order optical susceptibilities of YAB:Cr <sup>3+</sup> single crystals. <i>Philosophical Magazine</i> , <b>2012</b> , 92, 2826-2834	1.6	2
45	Influence of scandium doping on temperature dependences of photochromic absorption of sillenites <b>1997</b> ,		2

44	Photochromic effect in Bi <sub>12</sub> GeO <sub>20</sub> :Ce <b>1997</b> ,		2
43	Elastic and nonlinear optical properties of lithium tetraborate. <i>Crystal Research and Technology</i> , <b>2003</b> , 38, 374-378	1.3	2
42	Brillouin study of phase transitions in KNbW <sub>2</sub> O <sub>9</sub> bronze. <i>Journal of Raman Spectroscopy</i> , <b>2003</b> , 34, 371-374		2
41	Photoinduced optical effects in BiB <sub>3</sub> O <sub>6</sub> glass <b>2001</b> , 4412, 284		2
40	Photochromism of mixed sillenites <b>1999</b> ,		2
39	Crystalline Structure of Potassium Holmium Double Tungstate. <i>Acta Physica Polonica A</i> , <b>2011</b> , 119, 835-837		2
38	Photoconductivity of Bi <sub>12</sub> Ti <sub>1-x</sub> Pb <sub>x</sub> O <sub>20</sub> Single Crystal. <i>Acta Physica Polonica A</i> , <b>1999</b> , 96, 785-792	0.6	2
37	Electrocaloric effect in pure and Cr doped lead germanate single crystals. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 242, 122494	4.4	2
36	The complexity of structural phase transitions in Pb(Hf <sub>0.92</sub> Sn <sub>0.08</sub> )O <sub>3</sub> single crystals. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 5990-6001	3.8	2
35	Lattice dynamics of Bi <sub>3</sub> TeBO <sub>9</sub> microcrystals: Raman/IR spectroscopic investigation and ab initio analysis. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 782, 488-495	5.7	2
34	Incommensurately modulated structures in Pb(Zr <sub>1-x</sub> Sn <sub>x</sub> )O <sub>3</sub> single crystals by x-ray diffraction. <i>APL Materials</i> , <b>2021</b> , 9, 021101	5.7	2
33	Modal disorder in rubidium tungstoniobate RbNbWO <sub>6</sub> confirmed by EXAFS. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 276, 146-151	3.3	1
32	Pressure-induced phase transitions in acentric BaHf(BO <sub>3</sub> ) <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 228, 239-244	3.3	1
31	Anisotropy of inter-band transitions and band structure of Cs <sub>3</sub> Zn <sub>6</sub> B <sub>9</sub> O <sub>21</sub> nonlinear optical crystals. <i>Optical Materials</i> , <b>2016</b> , 56, 129-133	3.3	1
30	Optically operated La <sub>2</sub> CaB <sub>10</sub> O <sub>19</sub> : Pr <sup>3+</sup> polymer nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2012</b> , 23, 474-477	2.1	1
29	BiB <sub>3</sub> O <sub>6</sub> :Pr <sup>3+</sup> partially crystallized glasses for second harmonic generation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 2654-2657	2.1	1
28	Second-order susceptibility spectra for BiB <sub>3</sub> O <sub>6</sub> /polymer nanocomposites deposited on the chalcogenide crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 146, 187-91	4.4	1
27	Polarity in nanoscale in PbZr <sub>x</sub> Sn <sub>1-x</sub> O <sub>3</sub> single crystals <b>2012</b> ,		1



26	Temperature-dependent IR and Raman scattering studies of phase transitions in $K_2MgWO_2(PO_4)_2$ . <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 025901	1.8	1
25	Growth, properties and applications of borate crystals <b>1997</b> ,		1
24	Manifestation of second-order nonlinear optical effects in KTP and RTP nanocrystallites incorporated into polymer matrices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2008</b> , 41, 6-8	3	1
23	Dosimetric properties of activated lithium tetraborate <b>1993</b> , 1845, 182		1
22	Static and dynamic strain relaxation associated with the paraelectric-antiferroelectric phase transition in $PbZrO_3$ . <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 898, 162804	5.7	1
21	High Temperature Solution Growth of Oxide Single Crystals for Optoelectronics <b>2000</b> , 101-106		1
20	Phase Transitions and Local Polarity above TC in a $PbZr_{0.87}Ti_{0.13}O_3$ Single Crystal. <i>Crystals</i> , <b>2020</b> , 10, 286	2.3	1
19	Some aspects of scaling the orbital angular momentum of light with conical diffraction. <i>Optik</i> , <b>2021</b> , 227, 166020	2.5	1
18	Vibrational spectra of $KNbW_2O_9$ hexagonal tungsten bronze <b>2001</b> , 32, 287		1
17	The specific heat of potassium holmium double tungstate. <i>Phase Transitions</i> , <b>2011</b> , 84, 944-951	1.3	0
16	Comparison between glass and crystal phase of europium 3 + doped $Bi_2ZnOB_2O_6$ . <i>Materials Letters</i> , <b>2021</b> , 308, 131286	3.3	0
15	Efficient near-infrared quantum cutting by cooperative energy transfer in $Bi_3TeBO_9:Nd^{3+}$ phosphors. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 185-203	4.3	0
14	Efficient $Yb^{3+}$ sensitized $Er^{3+}$ emission of $Bi_2ZnOB_2O_6:Yb^{3+}/Er^{3+}$ single crystal. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 873, 159772	5.7	0
13	Strong piezoelectric properties and electric-field-driven changes in domain structures in a $PbZr_{0.87}Ti_{0.13}O_3$ single crystal. <i>Acta Materialia</i> , <b>2021</b> , 216, 117129	8.4	0
12	Vibrational and optical studies of a nonlinear optical crystal, $CsBiO(GeO)$ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 259, 119816	4.4	0
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