

Andrzej Majchrowski

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

259
papers

3,140
citations

25
h-index

42
g-index


285
ext. papers

3,457
ext. citations

3.2
avg. IF

5
L-index

#	Paper	IF	Citations
259	Efficient near-infrared quantum cutting by cooperative energy transfer in Bi ₃ TeBO ₉ :Nd ³⁺ phosphors. <i>Journal of Materials Science</i> , 2022 , 57, 185-203	4.3	0
258	Phase distributions accompanying the conical diffraction through a Pasteur acentric biaxial crystal, displayed with Bi ₂ ZnOB ₂ O ₆ . <i>Optical Materials</i> , 2022 , 128, 112353	3.3	
257	Comparison between glass and crystal phase of europium 3 + doped Bi ₂ ZnOB ₂ O ₆ . <i>Materials Letters</i> , 2021 , 308, 131286	3.3	0
256	Static and dynamic strain relaxation associated with the paraelectric-antiferroelectric phase transition in PbZrO ₃ . <i>Journal of Alloys and Compounds</i> , 2021 , 898, 162804	5.7	1
255	The complexity of structural phase transitions in Pb(Hf _{0.92} Sn _{0.08})O ₃ single crystals. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 5990-6001	3.8	2
254	Some aspects of scaling the orbital angular momentum of light with conical diffraction. <i>Optik</i> , 2021 , 227, 166020	2.5	1
253	Incommensurately modulated structures in Pb(Zr _{1-x} Sn _x)O ₃ single crystals by x-ray diffraction. <i>APL Materials</i> , 2021 , 9, 021101	5.7	2
252	Efficient Yb ³⁺ sensitized Er ³⁺ emission of Bi ₂ ZnOB ₂ O ₆ :Yb ³⁺ /Er ³⁺ single crystal. <i>Journal of Alloys and Compounds</i> , 2021 , 873, 159772	5.7	0
251	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> , 2021 , 216, 117129	8.4	0
250	Vibrational and optical studies of a nonlinear optical crystal, CsBiO(GeO). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 259, 119816	4.4	0
249	Dielectric dispersion and ac conductivity behavior in tin-modified lead zirconate antiferroelectric single crystals. <i>Journal of Applied Physics</i> , 2020 , 127, 184103	2.5	
248	Local properties and phase transitions in Sn doped antiferroelectric PbHfO single crystal. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 435402	1.8	5
247	Transition intensity analysis and emission properties of Eu ³⁺ : Bi ₂ ZnOB ₂ O ₆ acentric biaxial single crystal. <i>Optical Materials</i> , 2020 , 107, 110045	3.3	4
246	Effect of Sn Addition on Thermodynamic, Dielectric, Optical, and Acoustic Properties of Lead Hafnate. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 1900958	1.6	4
245	Influence of Nb ⁵⁺ ions on phase transitions and polar disorder above TC in PbZrO ₃ studied by Raman spectroscopy. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3657-3666	3.8	4
244	Complex structure and Mössbauer effect observed in the course of phase transitions in PbZrSnO single crystal. <i>Journal of Chemical Physics</i> , 2020 , 153, 224202	3.9	
243	Crystal growth, IR specular reflectance and polarized Raman studies of LiNaMoO polar single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 228, 117850	4.4	3

242	Electrocaloric effect in pure and Cr doped lead germanate single crystals. <i>Materials Chemistry and Physics</i> , 2020 , 242, 122494	4.4	2
241	Phase Transitions and Local Polarity above TC in a PbZr _{0.87} Ti _{0.13} O ₃ Single Crystal. <i>Crystals</i> , 2020 , 10, 286	2.3	1
240	Weak ferromagnetic response in PbZr _{1-x} Ti _x O ₃ single crystals. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11085-11089	7.1	3
239	Phase Transitions in Lead Hafnate under High Pressure. <i>Physics of the Solid State</i> , 2019 , 61, 1759-1765	0.8	6
238	Modal disorder in rubidium tungstoniobate RbNbWO ₆ confirmed by EXAFS. <i>Journal of Solid State Chemistry</i> , 2019 , 276, 146-151	3.3	1
237	High-Pressure Elastic Anomalies of PbHf _{0.975} Sn _{0.025} O ₃ Single Crystals Studied by Using Brillouin Spectroscopy. <i>Journal of the Korean Physical Society</i> , 2019 , 74, 994-997	0.6	
236	Light propagation properties of the Bi ₂ ZnOB ₂ O ₆ acentric biaxial crystal: Angular orbital momentum from conical diffraction. <i>Optical Materials</i> , 2019 , 91, 286-291	3.3	6
235	Enhanced 1.5 μ m emission of Er-doped multifunctional BiZnOBO microcrystals. <i>Dalton Transactions</i> , 2019 , 48, 6283-6290	4.3	6
234	Triggered incommensurate transition in PbHfO ₃ . <i>Physical Review B</i> , 2019 , 100,	3.3	12
233	 <i>Physics of the Solid State</i> , 2019 , 61, 1806	0	
232	Short-wavelength luminescence of Eu ³⁺ -doped KGd(WO ₄) ₂ crystals. <i>Optical Materials</i> , 2019 , 98, 109507	3.3	3
231	Lattice dynamics of Bi ₃ TeBO ₉ microcrystals: Raman/IR spectroscopic investigation and ab initio analysis. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 488-495	5.7	2
230	Up-conversion luminescence of RE ³⁺ -doped polymer composites KGd(WO ₄) ₂ &PMMA. <i>Optical Materials</i> , 2019 , 88, 366-371	3.3	6
229	Vibrational properties of PbHf _{0.975} Sn _{0.025} O ₃ single crystal at high pressures. <i>Journal of Applied Physics</i> , 2019 , 125, 014101	2.5	6
228	Spectroscopic characterization of orthorhombic BiB ₃ O ₆ phase nonlinear single crystal doped with Pr ³⁺ ions. <i>Journal of Luminescence</i> , 2019 , 207, 251-257	3.8	5
227	Additional phase transition in a PbZr _{0.87} Ti _{0.13} O ₃ single crystal. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 115302	3	5
226	Potassium gadolinium tungstate nanocrystals doped with holmium ions as candidates for optical imaging. <i>Applied Surface Science</i> , 2018 , 446, 139-144	6.7	7
225	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	4.4	8

224	Effect of Sn substitution on the elastic anomalies and phase transition behaviors of antiferroelectric PbHfO ₃ single crystals studied by Brillouin scattering. <i>Current Applied Physics</i> , 2018 , 18, 642-647	2.6	5
223	Bi ₃ TeBO ₉ : electronic structure, optical properties and photoinduced phenomena. <i>Journal of Materials Science</i> , 2018 , 53, 1217-1226	4.3	10
222	Nd ³⁺ -doped Bi ₂ ZnOB ₂ O ₆ phosphors for NIR emission. <i>Journal of Luminescence</i> , 2018 , 203, 663-669	3.8	8
221	Near-infrared luminescence of Bi ₂ ZnOB ₂ O ₆ :Nd ³⁺ /PMMA composite. <i>Optical Materials</i> , 2018 , 75, 13-18	3.3	5
220	Modulated Structures in PbHfO ₃ Crystals at High-Pressure-High-Temperature Conditions. <i>Defect and Diffusion Forum</i> , 2018 , 386, 149-155	0.7	7
219	Thermal and dielectric properties of ferroelectric lead germanate single crystals doped with chromium ions (Pb ₅ Ge ₃ O ₁₁ :Cr ³⁺). <i>Phase Transitions</i> , 2018 , 91, 923-931	1.3	3
218	Critical scattering and incommensurate phase transition in antiferroelectric PbZrO under pressure. <i>Scientific Reports</i> , 2017 , 7, 41512	4.9	29
217	Crystallographic and optical study of PbHfO crystals. <i>Journal of Applied Crystallography</i> , 2017 , 50, 378-384	3.48	14
216	Thermal analysis of phase transitions in PbZr _{1-x} Sn _x O ₃ antiferroelectric single crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 713-719	4.1	5
215	Significant photoinduced increment of reflectivity coefficient in LiNa ₅ Mo ₉ O ₃₀ . <i>Current Applied Physics</i> , 2017 , 17, 1100-1107	2.6	2
214	Peculiarities of antiferroelectric phase transitions in PbZr _{0.71} Sn _{0.29} O ₃ crystal investigated by Mössbauer effect. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700137	1.3	2
213	Bifunctional Bi ₂ ZnOB ₂ O ₆ :Nd ³⁺ Single Crystal for Near Infrared Lasers: Luminescence and Raman Investigations. <i>Crystal Growth and Design</i> , 2017 , 17, 3656-3664	3.5	15
212	The noise of many needles: Jerky domain wall propagation in PbZrO ₃ and LaAlO ₃ . <i>APL Materials</i> , 2017 , 5, 046102	5.7	21
211	Micro-Raman scattering and dielectric investigations of phase transitions behavior in the PbHf _{0.7} Sn _{0.3} O ₃ single crystal. <i>Journal of Applied Physics</i> , 2017 , 122, 104104	2.5	9
210	Modified Pechini synthesis of Bi ₂ ZnB ₂ O ₇ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 587-597	5.7	13
209	Chirality versus dichroism: Competition and role in conical diffraction displayed from the Nd:Bi ₂ ZnOB ₂ O ₆ acentric biaxial laser crystal. <i>Optical Materials</i> , 2017 , 72, 813-820	3.3	3
208	Up-conversion luminescence of rare earth-doped KGd(WO ₄) ₂ phosphors for tunable multicolour light generation. <i>New Journal of Chemistry</i> , 2017 , 41, 9847-9856	3.6	5
207	UV-induced acoustooptics of matrices containing BaHf(BO ₃) ₂ microcrystallites embedded into oligoetheracrylate photopolymer. <i>Materials Chemistry and Physics</i> , 2017 , 187, 11-17	4.4	

206	Microstructural and nonlinear optical properties of Bi ₂ ZnB ₂ O ₇ :RE ₃₊ powders. <i>Journal of Alloys and Compounds</i> , 2017 , 694, 959-970	5.7	10
205	Influence of La ³⁺ ions on Bi _{1-x} La _x B ₃ O ₆ powders structure and photo-induced optical properties of their polymer composites. <i>Materials Letters</i> , 2016 , 162, 114-116	3.3	2
204	A contribution to understanding the complex phase diagram of PZT compounds. <i>Ferroelectrics</i> , 2016 , 500, 67-75	0.6	6
203	Raman and IR spectroscopic study of a nonlinear optical crystal, La ₂ CaB ₁₀ O ₁₉ . <i>Vibrational Spectroscopy</i> , 2016 , 82, 53-59	2.1	6
202	Laser induced third harmonic generation in Bi _{1-x} Nd _x B ₃ O ₆ nanocomposites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 78, 31-34	3	2
201	Optically operated linear electrooptical effect in Bi _{1-x} Nd _x B ₃ O ₆ /polymer composites. <i>Optics Communications</i> , 2016 , 364, 13-17	2	5
200	Anisotropy of inter-band transitions and band structure of Cs ₃ Zn ₆ B ₉ O ₂₁ nonlinear optical crystals. <i>Optical Materials</i> , 2016 , 56, 129-133	3.3	1
199	Domain wall motion and precursor dynamics in PbZrO ₃ . <i>Physical Review B</i> , 2016 , 94,	3.3	8
198	Lattice dynamics and high-pressure Raman scattering studies of CoTeMoO ₆ crystal. <i>Vibrational Spectroscopy</i> , 2016 , 84, 153-158	2.1	3
197	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. <i>Journal of Alloys and Compounds</i> , 2016 , 684, 271-281	5.7	21
196	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	1.3	13
195	Photoluminescence properties of Pr ³⁺ doped Bi ₂ ZnOB ₂ O ₆ microcrystals and PMMA-based composites. <i>Optical Materials</i> , 2016 , 62, 72-79	3.3	8
194	Phase transitions and interrelated instabilities in PbHfO ₃ single crystals. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 105901	1.8	20
193	Absorption, fluorescence and second harmonic generation in Cr ³⁺ -doped BiBO glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 145, 325-328	4.4	2
192	Laser operated optical features in BaTeMo ₂ O ₉ :Cr ³⁺ nanocrystallites. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 327-331	5.7	
191	Modal disorder and phase transition in Rb _{0.91} Nb _{0.96} W _{1.04} O _{5.98} . Interpretation of X-ray diffuse scattering using the group theory approach. <i>Journal of Solid State Chemistry</i> , 2015 , 230, 325-336	3.3	6
190	Pressure-induced phase transitions in acentric BaHf(BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 2015 , 228, 239-244	3.3	1
189	Enhanced Polarization Fluctuations in PbZr _{0.72} Sn _{0.28} O ₃ Compared to PbZrO ₃ Single Crystals Studied by Brillouin Light Scattering. <i>Ferroelectrics</i> , 2015 , 479, 1-7	0.6	10

188	Spectroscopic properties of Bi ₂ ZnOB ₂ O ₆ single crystals doped with Pr ³⁺ ions: Absorption and luminescence investigations. <i>Optical Materials</i> , 2015 , 47, 428-434	3.3	15
187	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	5.7	12
186	Lattice dynamics in the paraelectric phase of PbHfO ₃ studied by inelastic x-ray scattering. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 335901	1.8	14
185	Brillouin scattering, DSC, dielectric and X-ray diffraction studies of phase transitions in antiferroelectric PbHfO ₃ :Sn. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 935-941	5.7	16
184	BiB ₃ O ₆ :Nd crystals as promising laser operated piezoelectric materials. <i>Journal of Alloys and Compounds</i> , 2015 , 620, 337-339	5.7	4
183	Dielectric dispersion and Raman spectroscopy in PbHfO ₃ single crystals modified by addition of Sn ions. <i>Phase Transitions</i> , 2015 , 88, 1010-1017	1.3	7
182	BiB ₃ O ₆ :Pr ³⁺ partially crystallized glasses for second harmonic generation. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 2654-2657	2.1	1
181	Second-order susceptibility spectra for BiB ₃ O ₆ /polymer nanocomposites deposited on the chalcogenide crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 146, 187-91	4.4	1
180	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	5.7	10
179	A neutron diffuse scattering study of PbZrO ₃ and Zr-rich PbZr _{1-x} Ti _x O ₃ . <i>Journal of Applied Crystallography</i> , 2015 , 48, 1637-1644	3.8	23
178	BiB ₃ O ₆ :Pr ³⁺ : polymer nanocomposites deposited on substrates with silver nanoparticles for nonlinear optics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 7134-7139	2.1	2
177	Growth and characterization of acentric BaHf(BO ₃) ₂ and BaZr(BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 2015 , 225, 330-334	3.3	15
176	Z-scan analysis and ab initio studies of BiBaTeMo ₂ O ₉ single crystal. <i>Solid State Sciences</i> , 2014 , 27, 30-35	3.4	20
175	Nonlinear optical features of BiB ₃ O ₆ /PVA polymer nanocomposites deposited on aluminum-doped zinc oxide substrates containing Ag nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 64, 1-6	3	11
174	Microcrystalline Bi ₂ ZnB ₂ O ₇ -polymer composites with silver nanoparticles as materials for laser operated devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 2426-2434	2.1	11
173	Elastic anomalies associated with the antiferroelectric phase transitions of PbHfO ₃ single crystals. <i>Journal of the Korean Physical Society</i> , 2014 , 64, 1169-1173	0.6	13
172	Photoinduced optical effects in rare earth doped BiB ₃ O ₆ . <i>Materials Letters</i> , 2014 , 122, 114-116	3.3	14
171	Photoinduced nonlinear optical effects in Nd-doped BiB ₃ O ₆ crystals. <i>Journal of Alloys and Compounds</i> , 2014 , 610, 82-85	5.7	11

170	Vibrational properties of nonlinear optical Bi ₂ ZnO ₃ B ₂ O ₆ single crystals doped with Pr ³⁺ : Raman investigations. <i>Journal of Alloys and Compounds</i> , 2014 , 610, 600-605	5.7	15
169	Lattice dynamics and antiferroelectricity in PbZrO ₃ tested by x-ray and Brillouin light scattering. <i>Physical Review B</i> , 2014 , 90,	3.3	33
168	Growth and characterization of nonlinear optical telluromolybdate CoTeMoO ₆ single crystals. <i>Journal of Solid State Chemistry</i> , 2014 , 220, 142-148	3.3	6
167	High-resolution Brillouin scattering studies of phase transitions and precursor phenomena in PbZr _{0.78} Sn _{0.22} O ₃ single crystals. <i>Journal of Alloys and Compounds</i> , 2014 , 587, 273-277	5.7	10
166	The origin of antiferroelectricity in PbZrO ₃ . <i>Nature Communications</i> , 2013 , 4, 2229	17.4	190
165	YAl ₃ (BO ₃) ₄ :TM (TM = Mn, Co, Cr) nanocrystals synthesis for laser operated nonlinear optics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1485-1489	2.1	3
164	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. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 687-692	5.7	17
163	Pressure-induced phase transitions in BaTeMo ₂ O ₉ . <i>Journal of Alloys and Compounds</i> , 2013 , 579, 236-242	5.7	10
162	Specific features of Yb ³⁺ ions in electronic band energy structure and optical functions of RbNd(WO ₄) ₂ crystals: Synchrotron ellipsometry measurements and DFT simulations. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 237-246	5.7	
161	Thermal hysteresis of local instabilities in paraelectric phase of PbZr _{0.96} Sn _{0.04} O ₃ single crystals. <i>Journal of Applied Physics</i> , 2013 , 113, 187209	2.5	4
160	Phonons in nonlinear optical BiB ₃ O ₆ crystal: Raman and infrared spectra and lattice dynamics. <i>Journal of Alloys and Compounds</i> , 2013 , 575, 86-89	5.7	13
159	Multifunctional Bi ₂ ZnO ₃ B ₂ O ₆ single crystals for second and third order nonlinear optical applications. <i>Applied Physics Letters</i> , 2013 , 103, 231103	3.4	50
158	Vibrational properties of the nonlinear optical crystal BaTeMo ₂ O ₉ . <i>Vibrational Spectroscopy</i> , 2013 , 64, 158-163	2.1	15
157	Lattice dynamics and pressure-induced phase transitions in BaTeMo ₂ O ₉ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 125404	1.8	11
156	BaTeMo ₂ O ₉ microcrystals as promising optically operated materials. <i>Journal of Materials Science</i> , 2013 , 48, 5938-5945	4.3	9
155	Mode softening, precursor phenomena, and intermediate phases in PbZrO ₃ . <i>Physical Review B</i> , 2013 , 87,	3.3	48
154	Precursor dynamics, incipient ferroelectricity and huge anharmonicity in antiferroelectric lead zirconate PbZrO ₃ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 212202	1.8	30
153	Temperature-dependent IR and Raman scattering studies of phase transitions in K ₂ MgWO ₂ (PO ₄) ₂ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 025901	1.8	1

152	Effect of resistive switching and electrically driven insulator-conductor transition in PbZrO ₃ single crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 507-512	1.6	7
151	Specific features of Tm ³⁺ doped BiB ₃ O ₆ glasses fluorescence spectra and their kinetics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 87, 151-4	4.4	2
150	Temperature anomalies of the laser stimulated elasto-optical effect in PbZrO ₃ single crystals. <i>Materials Letters</i> , 2012 , 84, 114-115	3.3	4
149	Optically operated La ₂ CaB ₁₀ O ₁₉ :Pr ³⁺ polymer nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2012 , 23, 474-477	2.1	1
148	Polarity in nanoscale in PbZr _x Sn _{1-x} O ₃ single crystals 2012 ,		1
147	Nonlinear optical properties of polymer dispersed liquid crystals doped with La ₂ CaB ₁₀ O ₁₉ . <i>Optical Materials</i> , 2012 , 34, 1704-1707	3.3	7
146	Laser operated elasto-optical features of La ₂ CaB ₁₀ O ₁₉ :Pr ³⁺ polymer nanocomposites. <i>Journal of Luminescence</i> , 2012 , 132, 2577-2580	3.8	4
145	Changes of fluorescent spectral features after successive rare earth doping of gadolinium oxide powders. <i>Journal of Alloys and Compounds</i> , 2012 , 511, 221-225	5.7	7
144	Specific features of fluorescence kinetics of BiBO:Dy ³⁺ glasses. <i>Journal of Alloys and Compounds</i> , 2012 , 520, 89-92	5.7	7
143	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	5.7	12
142	Growth and piezoelectric features of La ₂ CaB ₁₀ O ₁₉ crystals doped with Pr ³⁺ ions. <i>Journal of Crystal Growth</i> , 2012 , 344, 27-30	1.6	13
141	Temperature-dependent Raman scattering study of the defect pyrochlores RbNbWO ₆ and CsTaWO ₆ . <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 195902	1.8	14
140	Laser-induced, second-order optical susceptibilities of YAB:Cr ³⁺ single crystals. <i>Philosophical Magazine</i> , 2012 , 92, 2826-2834	1.6	2
139	The magnetic properties of potassium holmium double tungstate. <i>Low Temperature Physics</i> , 2011 , 37, 678-683	0.7	2
138	Vibrational properties of RbNd(WO ₄) ₂ : high pressure Raman study, structural and phonon calculations. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 405901	1.8	4
137	Spectroscopic studies of KGd(WO ₄) ₂ :Ho ³⁺ single crystals. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 1430-1435	5.7	8
136	Acoustically induced optical effects in Pr ³⁺ and Tm ³⁺ doped calcium gadolinium oxyborate nanocomposites. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3473-3475	5.7	5
135	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. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6354-6358	5.7	10

134	Preparation and fluorescence properties of La ₂ CaB ₁₀ O ₁₉ crystals doped with Pr ³⁺ ions. <i>Journal of Crystal Growth</i> , 2011 , 334, 122-125	1.6	16
133	Lattice dynamics and temperature-dependent Raman and infrared studies of multiferroic Mn _{0.85} Co _{0.15} WO ₄ and Mn _{0.97} Fe _{0.03} WO ₄ crystals. <i>Physical Review B</i> , 2011 , 83,	3.3	39
132	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. <i>Optical Materials</i> , 2011 , 33, 1595-1601	3.3	20
131	The low temperature magnetic properties of potassium holmium double tungstate. <i>Open Physics</i> , 2011 , 9,	1.3	4
130	Raman and IR spectra of K ₄ Nb ₆ O ₁₇ and K ₄ Nb ₆ O ₁₇ ·BH ₂ O single crystals. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 209-213	2.3	36
129	Photo-induced optical effects in Nd-containing oxides. <i>Current Applied Physics</i> , 2011 , 11, 331-333	2.6	5
128	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	2	13
127	Strong nonlinear electrostriction in PbZr _{1-x} Sn _x O ₃ antiferroelectric crystals with 0.11. <i>Phase Transitions</i> , 2011 , 84, 521-527	1.3	4
126	The specific heat of potassium holmium double tungstate. <i>Phase Transitions</i> , 2011 , 84, 944-951	1.3	0
125	NONLINEAR ELECTROSTRICTIVE PROPERTIES OF PbZrO ₃ :Sn SINGLE CRYSTALS WITH ANTIFERROELECTRIC PHASE TRANSITIONS. <i>Journal of Advanced Dielectrics</i> , 2011 , 01, 223-227	1.3	5
124	Crystalline Structure of Potassium Holmium Double Tungstate. <i>Acta Physica Polonica A</i> , 2011 , 119, 835-837		2
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