

# Aleksander S Krylov

## List of Publications by Citations

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188  
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37  
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201  
ext. papers

2,329  
ext. citations

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4.86  
L-index

#	Paper	IF	Citations
188	Synthesis and Spectroscopic Properties of Monoclinic $\text{RbEu}_2(\text{MoO}_4)_3$ . <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 15404-15411	3.8	180
187	Structural and spectroscopic properties of new noncentrosymmetric self-activated borate $\text{Rb}_3\text{EuB}_6\text{O}_{12}$ with $\text{B}_5\text{O}_{10}$ units. <i>Materials and Design</i> , <b>2018</b> , 140, 488-494	8.1	111
186	Pressure-induced phase transitions in crystalline L- and DL-cysteine. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 8851-4	3.4	72
185	Electronic structure of $\text{RbSm}(\text{MoO}_4)_3$ and chemical bonding in molybdates. <i>Dalton Transactions</i> , <b>2015</b> , 44, 1805-15	4.3	71
184	Synthesis and spectroscopic properties of multiferroic $\text{RbTb}_2(\text{MoO}_4)_3$ . <i>Optical Materials</i> , <b>2014</b> , 36, 1631-1635	3.5	70
183	Exploration of structural, thermal, vibrational and spectroscopic properties of new noncentrosymmetric double borate $\text{Rb}_3\text{NdB}_6\text{O}_{12}$ . <i>Advanced Powder Technology</i> , <b>2017</b> , 28, 1309-1315	4.6	53
182	Formation of gold and gold sulfide nanoparticles and mesoscale intermediate structures in the reactions of aqueous $\text{HAuCl}_4$ with sulfide and citrate ions. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 5445-54	3.6	49
181	Structural and spectroscopic properties of self-activated monoclinic molybdate $\text{BaSm}_2(\text{MoO}_4)_4$ . <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 729, 843-849	5.7	47
180	Exploration of structural, vibrational and spectroscopic properties of self-activated orthorhombic double molybdate $\text{RbEu}(\text{MoO}_4)_2$ with isolated $\text{MoO}_4$ units. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 785, 692-697	5.7	47
179	Synthesis, structural and spectroscopic properties of acentric triple molybdate $\text{Cs}_2\text{NaBi}(\text{MoO}_4)_3$ . <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 225, 53-58	3.3	44
178	Structure, Thermal Stability, and Spectroscopic Properties of Triclinic Double Sulfate $\text{AgEu}(\text{SO}_4)_2$ with Isolated $\text{SO}_4$ Groups. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 13279-13288	5.1	43
177	Simultaneous ion exchange recovery of platinum and rhodium from chloride solutions. <i>Hydrometallurgy</i> , <b>2011</b> , 105, 341-349	4	42
176	Raman spectroscopy studies of the terahertz vibrational modes of a DUT-8 (Ni) metal-organic framework. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 32099-32104	3.6	35
175	Crystal size versus paddle wheel deformability: selective gated adsorption transitions of the switchable metal-organic frameworks DUT-8(Co) and DUT-8(Ni). <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21459-21475	13	34
174	Luminescence of yttrium aluminum borate single crystals doped with manganese. <i>Physics of the Solid State</i> , <b>2007</b> , 49, 1695-1699	0.8	32
173	Vibrational spectra and elastic, piezoelectric, and magnetoelectric properties of $\text{HoFe}_3(\text{BO}_3)_4$ and $\text{HoAl}_3(\text{BO}_3)_4$ crystals. <i>Journal of Experimental and Theoretical Physics</i> , <b>2013</b> , 117, 1032-1041	1	28
172	Raman study of structural transformations in self-assembled diphenylalanine nanotubes at elevated temperatures. <i>Journal of Raman Spectroscopy</i> , <b>2017</b> , 48, 1401-1405	2.3	27

171	Upconversion luminescence of $\text{YAl}_3(\text{BO}_3)_4:(\text{Yb}^{3+}, \text{Tm}^{3+})$ crystals. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 496, L18-L21	5.7	27
170	Structural transformations in a single-crystal $\text{Rb}_2\text{NaYF}_6$ : Raman scattering study. <i>Journal of Raman Spectroscopy</i> , <b>2013</b> , 44, 763-769	2.3	25
169	Lattice dynamics and hydrostatic-pressure-induced phase transitions in $\text{ScF}_3$ . <i>Journal of Experimental and Theoretical Physics</i> , <b>2002</b> , 94, 977-984	1	25
168	Exploration of structural, thermal and spectroscopic properties of self-activated sulfate $\text{Eu}_2(\text{SO}_4)_3$ with isolated $\text{SO}_4$ groups. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 68, 109-116	6.3	24
167	Selective excitation of $\text{E}_1(\text{LO})$ and $\text{A}_1(\text{LO})$ phonons with large wave vectors in the Raman spectra of hexagonal $\text{InN}$ . <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	23
166	Spectroscopic properties of $\text{ErAl}_3(\text{BO}_3)_4$ single crystal. <i>Chemical Physics</i> , <b>2014</b> , 428, 137-143	2.3	22
165	Pressure-induced phase transition in the cubic $\text{ScF}_3$ crystal. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 810-816	0.8	20
164	Europium doped strontium borate glasses and their optical properties. <i>Journal of Physics and Chemistry of Solids</i> , <b>2005</b> , 66, 75-79	3.9	20
163	Negative thermal expansion in one-dimension of a new double sulfate $\text{AgHo}(\text{SO}_4)_2$ with isolated $\text{SO}_4$ tetrahedra. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 76, 111-121	9.1	20
162	Raman scattering in sodium nitrite crystals near the phase transition. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 170-176	0.8	18
161	Spectroscopic properties of $\text{HoAl}_3(\text{BO}_3)_4$ single crystal. <i>Optical Materials</i> , <b>2014</b> , 37, 257-261	3.3	18
160	Magnetoelastic interactions in Raman spectra of $\text{Ho}_{1-x}\text{Nd}_x\text{Fe}_3(\text{BO}_3)_4$ crystals. <i>Solid State Communications</i> , <b>2013</b> , 174, 26-29	1.6	18
159	Raman investigation of hydrostatic and nonhydrostatic compressions of $\text{OH}^-$ and $\text{F}^-$ -apophyllites up to 8 GPa. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 439-447	2.3	18
158	Raman spectroscopy of natural cordierite at high water pressure up to 5 GPa. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 559-563	2.3	17
157	Raman study of datolite $\text{CaBSiO}_4(\text{OH})$ at simultaneously high pressure and high temperature. <i>Journal of Raman Spectroscopy</i> , <b>2015</b> , 46, 177-181	2.3	16
156	$\text{Si}/\text{Fe}$ flux ratio influence on growth and physical properties of polycrystalline $\text{FeSi}_2$ thin films on $\text{Si}(100)$ surface. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 440, 144-152	2.8	15
155	Synthesis of Samarium Oxysulfate $\text{SmOSO}$ in the High-Temperature Oxidation Reaction and Its Structural, Thermal and Luminescent Properties. <i>Molecules</i> , <b>2020</b> , 25,	4.8	15
154	Measurement of Raman-Scattering Spectra of $\text{Rb}_2\text{KMoO}_3\text{F}_3$ Crystal: Evidence for Controllable Disorder in the Lattice Structure. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 923-927	3.5	15

153	Crystal Growth and Raman Spectroscopy Study of $\text{Sm}_{1-x}\text{La}_x\text{Fe}_3(\text{BO}_3)_4$ Ferroborates. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 6915-6921	3.5	14
152	Structure and lattice dynamics of the high-pressure phase in the $\text{ScF}_3$ crystal. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 564-569	0.8	14
151	Lattice dynamics and Raman scattering spectrum of elpasolite $\text{Rb}_2\text{KScF}_6$ : Comparative analysis. <i>Physics of the Solid State</i> , <b>2004</b> , 46, 1311-1319	0.8	14
150	Manifestation of magnetoelastic interactions in Raman spectra of $\text{Ho}_x\text{Nd}_{1-x}\text{Fe}_3(\text{BO}_3)_4$ crystals. <i>Journal of Advanced Dielectrics</i> , <b>2018</b> , 08, 1850011	1.3	14
149	Raman study of $\text{HoFe}_3(\text{BO}_3)_4$ at simultaneously high pressure and high temperature: $p$ - $T$ phase diagram. <i>Journal of Raman Spectroscopy</i> , <b>2017</b> , 48, 1406-1410	2.3	13
148	Raman spectra and phase composition of $\text{MnGeO}_3$ crystals. <i>Journal of Raman Spectroscopy</i> , <b>2016</b> , 47, 531-536	2.3	13
147	Spectroscopic properties and energy levels of $\text{Yb}^{3+}$ ion in huntite structure. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 476, 64-69	5.7	13
146	Heat capacity, $p$ - $T$ phase diagram, and structure of $\text{Rb}_2\text{KTiOF}_5$ . <i>Physics of the Solid State</i> , <b>2008</b> , 50, 2175-2183	2.8	13
145	Luminescence of monoclinic $\text{Y}_2\text{O}_3:\text{Eu}$ nanophosphor produced via laser vaporization. <i>Optical Materials</i> , <b>2020</b> , 104, 109843	3.3	12
144	The cubic-to-monoclinic phase transition in $(\text{NH}_4)_3\text{ScF}_6$ cryolite: A Raman scattering study. <i>Physics of the Solid State</i> , <b>2001</b> , 43, 2307-2310	0.8	12
143	High-temperature oxidation of europium (II) sulfide. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 79, 62-70	6.3	11
142	Raman scattering study of temperature and hydrostatic pressure phase transitions in $\text{Rb}_2\text{KTiOF}_5$ crystal. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 577-582	2.3	11
141	Understanding perceived color through gradual spectroscopic variations in electrochromism. <i>Indian Journal of Physics</i> , <b>2019</b> , 93, 927-933	1.4	11
140	In situ spectroscopic study of water intercalation into talc: New features of $10\bar{1}$ phase formation. <i>American Mineralogist</i> , <b>2016</b> , 101, 431-436	2.9	10
139	Raman spectroscopic study of the lattice dynamics in the $\text{Rb}_2\text{KMoO}_3\text{F}_3$ oxyfluoride. <i>Physics of the Solid State</i> , <b>2012</b> , 54, 1275-1280	0.8	10
138	Spectroscopic properties of $\text{Nd}_{0.5}\text{Gd}_{0.5}\text{Fe}_3(\text{BO}_3)_4$ single crystal. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 529, 38-43	5.7	10
137	Low-temperature features of Raman spectra below magnetic transitions in multiferroic $\text{Ho}_{1-x}\text{Nd}_x\text{Fe}_3(\text{BO}_3)_4$ and $\text{Sm}_{1-x}\text{La}_x\text{Fe}_3(\text{BO}_3)_4$ single crystals. <i>Ferroelectrics</i> , <b>2017</b> , 509, 92-96	0.6	9
136	Crystal structure and phase transitions of a layered perovskite-like $\text{CsScF}_4$ crystal. <i>CrystEngComm</i> , <b>2016</b> , 18, 8472-8486	3.3	9

135	Local Raman spectroscopy of DNA. <i>Bulletin of the Lebedev Physics Institute</i> , <b>2014</b> , 41, 310-315	0.5	9
134	Hydrostatic Pressure-Induced Phase Transitions in Rb <sub>2</sub> KInF <sub>6</sub> and Rb <sub>2</sub> KScF <sub>6</sub> Crystals: Raman Spectra and Lattice Dynamics Simulations. <i>Ferroelectrics</i> , <b>2012</b> , 440, 100-104	0.6	9
133	Anomalous Raman phenomenon of CuCrS <sub>2</sub> . <i>Journal of Raman Spectroscopy</i> , <b>2010</b> , 41, 1775-1778	2.3	9
132	A Raman scattering study of the phase transition in the (NH <sub>4</sub> ) <sub>3</sub> WO <sub>3</sub> F <sub>3</sub> oxyfluoride. <i>Physics of the Solid State</i> , <b>2006</b> , 48, 1356-1362	0.8	9
131	Raman Spectra and Phase Transitions in the Rb <sub>2</sub> KScF <sub>6</sub> Elpasolite. <i>Ferroelectrics</i> , <b>2003</b> , 284, 47-64	0.6	9
130	Optical Spectra of Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> :Mn Crystals. <i>Inorganic Materials</i> , <b>2002</b> , 38, 1032-1034	0.9	9
129	Colloidal and Immobilized Nanoparticles of Lead Xanthates. <i>ACS Omega</i> , <b>2019</b> , 4, 11472-11480	3.9	8
128	Influence of the Molecular Groups Ordering on Structural Phase Transitions in (NH <sub>4</sub> ) <sub>2</sub> WO <sub>2</sub> F <sub>4</sub> Crystal. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 374-380	3.5	8
127	Experimental and theoretical methods to study structural phase transition mechanisms in K <sub>3</sub> WO <sub>3</sub> F <sub>3</sub> oxyfluoride. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 218, 32-37	3.3	8
126	Luminescence spectra of Ho <sup>3+</sup> in distorted parity-breaking HoF <sub>6</sub> octahedra. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 690-692	3.8	8
125	Raman spectra and phase transitions in Rb <sub>2</sub> KInF <sub>6</sub> elpasolite. <i>Crystallography Reports</i> , <b>2011</b> , 56, 18-23	0.6	8
124	Raman spectroscopic study of the phase transitions in the Cs <sub>2</sub> NH <sub>4</sub> WO <sub>3</sub> F <sub>3</sub> oxyfluoride. <i>Physics of the Solid State</i> , <b>2006</b> , 48, 1064-1066	0.8	8
123	Raman spectra and elastic properties of KPb <sub>2</sub> Cl <sub>5</sub> crystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 3142-3145		8
122	Pressure-Induced Phase Transitions in ScF <sub>3</sub> Crystal--Raman Spectra and Lattice Dynamics. <i>Ferroelectrics</i> , <b>2003</b> , 284, 31-45	0.6	8
121	Pseudo-Anomalous Size-Dependent Electron-Phonon Interaction in Graded Energy Band: Solving the Fano Paradox. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 2044-2051	6.4	8
120	Nature of phase transitions in ammonium oxofluorovanadates, a vibrational spectroscopy study of (NH <sub>4</sub> )VOF and (NH <sub>4</sub> )VOF. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 176, 106-113	4.4	7
119	In-situ Raman study of phengite compressed in water medium under simultaneously high P and T parameters. <i>Journal of Raman Spectroscopy</i> , <b>2017</b> , 48, 1431-1437	2.3	7
118	Uniaxial mechanical stresses and their influence on the parameters of the ferroelectric phase transition in pressure-treated barium titanate. <i>Ferroelectrics</i> , <b>2017</b> , 508, 161-166	0.6	7

117	Temperature-dependent absorption lines observation in Raman spectra of SmFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> ferroborate. <i>Journal of Raman Spectroscopy</i> , <b>2018</b> , 49, 1732-1735	2.3	7
116	Synthesis, structure, and properties of EuErCu <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 805, 779-788	5.7	7
115	A raman study of hydrostatic pressure induced phase transitions in Rb <sub>2</sub> KInF <sub>6</sub> crystals. <i>Physics of the Solid State</i> , <b>2012</b> , 54, 934-936	0.8	7
114	The Raman Spectroscopy, XRD, SEM, and AFM Study of Arabinogalactan Sulfates Obtained Using Sulfamic Acid. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2017</b> , 43, 722-726	1	7
113	Raman investigation of fibrous zeolites of the natrolite group at high pressures of an aqueous medium. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2012</b> , 76, 804-807	0.4	7
112	Hydrostatic pressure-induced phase transitions in RbMnCl <sub>3</sub> : Raman spectra and lattice dynamics. <i>Physics of the Solid State</i> , <b>2004</b> , 46, 1301-1310	0.8	7
111	Raman and infrared characterization of gadolinium-doped manganese sulfide. <i>Spectroscopy Letters</i> , <b>2017</b> , 50, 55-58	1.1	6
110	Heat capacity and magnetic properties of fluoride CsFe <sub>2</sub> +Fe <sub>3</sub> +F <sub>6</sub> with defect pyrochlore structure. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 237, 330-335	3.3	6
109	Behavior of natrolite zeolite and fluorapatite at high pressures in a water medium. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2013</b> , 77, 313-316	0.4	6
108	Raman scattering study of temperature induced phase transitions in crystalline ammonium heptafluorozirconate, (NH <sub>4</sub> ) <sub>3</sub> ZrF <sub>7</sub> . <i>Vibrational Spectroscopy</i> , <b>2012</b> , 62, 258-263	2.1	6
107	Vibrational spectra and elastic piezoelectric and polarization properties of the BaB <sub>4</sub> O <sub>7</sub> crystal. <i>Journal of Experimental and Theoretical Physics</i> , <b>2012</b> , 115, 455-461	1	6
106	Vibrational Spectroscopy Studies of Temperature Phase Transitions in K <sub>3</sub> WO <sub>3</sub> F <sub>3</sub> . <i>Ferroelectrics</i> , <b>2010</b> , 401, 168-172	0.6	6
105	Vibrational spectroscopy of alkaline tungsten oxyfluoride crystals: structure, lattice dynamics, ordering processes, and phase transitions. <i>Journal of Raman Spectroscopy</i> , <b>2010</b> , 41, 1784-1791	2.3	6
104	Tailoring adsorption induced switchability of a pillared layer MOF by crystal size engineering. <i>CrystEngComm</i> , <b>2021</b> , 23, 538-549	3.3	6
103	Colloidal and Deposited Products of the Interaction of Tetrachloroauric Acid with Hydrogen Selenide and Hydrogen Sulfide in Aqueous Solutions. <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 492	2.4	6
102	Residual mechanical stresses in pressure treated BaTiO <sub>3</sub> powder. <i>Ceramics International</i> , <b>2019</b> , 45, 12455-12460	5.1	6
101	Raman scattering study of BiB <sub>3</sub> O <sub>6</sub> crystal. <i>Ferroelectrics</i> , <b>2016</b> , 501, 26-31	0.6	5
100	Ion exchange equilibria in simultaneous extraction of platinum(II, IV) and rhodium(III) from hydrochloric solutions. <i>Russian Journal of Physical Chemistry A</i> , <b>2012</b> , 86, 1018-1024	0.7	5

99	Magnetic properties, magnetoresistance, and Raman spectra of $\text{CuV}_x\text{Cr}_{1-x}\text{S}_2$ . <i>Physics of the Solid State</i> , <b>2009</b> , 51, 532-536	0.8	5
98	Origin of color centers in the flux-grown europium gallium garnet. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 083102	2.5	5
97	Symmetry analysis of calculated vibrational spectra of $\text{Rb}_2\text{KScF}_6$ crystal. <i>Computational Materials Science</i> , <b>2006</b> , 36, 221-224	3.2	5
96	Gallium Composition-Dependent Structural Phase Transitions in $\text{HoFe}_3\text{Ga}_x(\text{BO}_3)_4$ Solid Solutions: Crystal Growth, Structure, and Raman Spectroscopy Study. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 1058-1069	3.5	5
95	Formation, evolution and characteristics of copper sulfide nanoparticles in the reactions of aqueous cupric and sulfide ions. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 255, 123600	4.4	5
94	Synthesis, structure, and properties of $\text{EuScCu}_3\text{S}_3$ and $\text{SrScCu}_3\text{S}_3$ . <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 296, 121926	3.3	5
93	Temperature-dependent Raman spectroscopy, domain morphology and photoluminescence studies in lead-free BCZT ceramic. <i>Ceramics International</i> , <b>2021</b> , 47, 2828-2838	5.1	5
92	Structural and Thermoelectric Properties of Optically Transparent Thin Films Based on Single-Walled Carbon Nanotubes. <i>Physics of the Solid State</i> , <b>2018</b> , 60, 2649-2655	0.8	5
91	Crystal Structure, Vibrational, Spectroscopic and Thermochemical Properties of Double Sulfate Crystalline Hydrate $[\text{CsEu}(\text{H}_2\text{O})_3(\text{SO}_4)_2]\cdot\text{H}_2\text{O}$ and Its Thermal Dehydration Product $\text{CsEu}(\text{SO}_4)_2$ . <i>Crystals</i> , <b>2021</b> , 11, 1027	2.3	5
90	Raman Spectra of Diphenylalanine Microtubes: Polarisation and Temperature Effects. <i>Crystals</i> , <b>2020</b> , 10, 224	2.3	4
89	Vibrational spectra of $\text{NdF}_3$ crystal. <i>Ferroelectrics</i> , <b>2016</b> , 501, 15-19	0.6	4
88	Lattice dynamics and baric behavior of phonons in $\text{Hg}_2\text{Cl}_2$ crystals at high hydrostatic pressures. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2016</b> , 80, 1033-1037	0.4	4
87	Structural, electronic and vibrational properties of $\text{LaF}_3$ according to density functional theory and Raman spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 255901	1.8	4
86	Raman Scattering Study Temperature Phase Transitions of $\text{Rb}_2\text{KInF}_6$ Crystal. <i>Ferroelectrics</i> , <b>2011</b> , 416, 95-100	0.6	4
85	Influence of Acoustic and Magnetic Fields on the Formation of Fullerenes and Nanotubes in Carbon-Helium High-Frequency Plasma Under Atmospheric Pressure. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2010</b> , 18, 584-589	1.8	4
84	Resonant raman scattering and dispersion of polar optical and acoustic phonons in hexagonal inn. <i>Semiconductors</i> , <b>2010</b> , 44, 161-170	0.7	4
83	Raman Spectra and Ordering Processes in Alkaline-Tungsten Oxyfluorides. <i>Ferroelectrics</i> , <b>2007</b> , 347, 79-85	1.6	4
82	Acoustic waves effects on raman spectra of piezoelectric crystals. <i>Ferroelectrics</i> , <b>1995</b> , 170, 181-186	0.6	4



81	Synthesis, structure and photoluminescent properties of Eu:Gd <sub>2</sub> O <sub>3</sub> nanophosphor synthesized by cw CO <sub>2</sub> laser vaporization. <i>Journal of Luminescence</i> , <b>2021</b> , 235, 118050	3.8	4
80	Behavior of CaBSiO <sub>4</sub> (OH) datolite at high temperatures and pressures of a water medium. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2015</b> , 79, 794-797	0.4	3
79	Single particle Raman spectroscopy analysis of the metal-organic framework DUT-8(Ni) switching transition under hydrostatic pressure. <i>Chemical Communications</i> , <b>2020</b> , 56, 8269-8272	5.8	3
78	Anharmonicity and local noncentrosymmetric regions in BaTiO <sub>3</sub> pressed powder studied by the Raman line temperature dependence. <i>Ceramics International</i> , <b>2020</b> , 46, 22619-22623	5.1	3
77	Generalisation of phonon confinement model for interpretation of Raman line-shape from nano-silicon. <i>Advances in Materials and Processing Technologies</i> , <b>2018</b> , 4, 227-233	0.8	3
76	Raman scattering and phase transitions in fluorides with elpasolite structure. <i>Ferroelectrics</i> , <b>2017</b> , 512, 58-64	0.6	3
75	Ion-exchange sorption of silver(I) chloride complexes from aqueous HCl solutions. <i>Russian Journal of Physical Chemistry A</i> , <b>2017</b> , 91, 2383-2388	0.7	3
74	Optical studies of phase transitions in the (NH <sub>4</sub> ) <sub>3</sub> Ti(O <sub>2</sub> )F <sub>5</sub> crystal. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 817-822	0.8	3
73	Nickel-containing carbon nanotubes and nanoparticles prepared in a high-frequency arc plasma. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 1972-1975	0.8	3
72	Raman Scattering Study of Temperature Phase Transitions in (NH <sub>4</sub> ) <sub>3</sub> MoO <sub>3</sub> F <sub>3</sub> . <i>Ferroelectrics</i> , <b>2012</b> , 430, 65-70	0.6	3
71	Molecular structural nonuniformity of ultradispersed diamond-containing material and the reasons why it arises. <i>Russian Journal of Physical Chemistry B</i> , <b>2007</b> , 2, 485-492	1.2	3
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