Aleksander S Krylov

List of Publications by Year
in descending order

194	2,671	236612	253896
papers	citations	25 h-index	43 g-index

202	202	202	2349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and Spectroscopic Properties of Monoclinic Î±-Eu₂(MoO₄)₃. Journal of Physical Chemistry C, 2014, 118, 15404-15411.	1.5	218
2	Structural and spectroscopic properties of new noncentrosymmetric self-activated borate Rb3EuB6O12 with B5O10 units. Materials and Design, 2018, 140, 488-494.	3.3	153
3	Synthesis and spectroscopic properties of multiferroic Î²â€²-Tb2(MoO4)3. Optical Materials, 2014, 36, 1631-1635.	1.7	86
4	Electronic structure of Î²-RbSm(MoO₄)₂and chemical bonding in molybdates. Dalton Transactions, 2015, 44, 1805-1815.	1.6	85
5	Exploration of structural, thermal, vibrational and spectroscopic properties of new noncentrosymmetric double borate Rb3NdB6O12. Advanced Powder Technology, 2017, 28, 1309-1315.	2.0	84
6	Pressure-Induced Phase Transitions in Crystalline <scp>l</scp>- and <scp>dl</scp>-Cysteine. Journal of Physical Chemistry B, 2008, 112, 8851-8854.	1.2	77
7	Structure, Thermal Stability, and Spectroscopic Properties of Triclinic Double Sulfate AgEu(SO₄)₂ with Isolated SO₄ Groups. Inorganic Chemistry, 2018, 57, 13279-13288.	1.9	68
8	Exploration of structural, vibrational and spectroscopic properties of self-activated orthorhombic double molybdate RbEu(MoO4)2 with isolated MoO4 units. Journal of Alloys and Compounds, 2019, 785, 692-697.	2.8	64
9	Structural and spectroscopic properties of self-activated monoclinic molybdate BaSm2(MoO4)4. Journal of Alloys and Compounds, 2017, 729, 843-849.	2.8	55
10	Formation of gold and gold sulfide nanoparticles and mesoscale intermediate structures in the reactions of aqueous HAuCl4 with sulfide and citrate ions. Physical Chemistry Chemical Physics, 2009, 11, 5445.	1.3	54
11	Crystal size versus paddle wheel deformability: selective gated adsorption transitions of the switchable metalâ€“organic frameworks DUT-8(Co) and DUT-8(Ni). Journal of Materials Chemistry A, 2019, 7, 21459-21475.	5.2	54
12	Simultaneous ion exchange recovery of platinum and rhodium from chloride solutions. Hydrometallurgy, 2011, 105, 341-349.	1.8	51
13	Raman spectroscopy studies of the terahertz vibrational modes of a DUT-8 (Ni) metalâ€“organic framework. Physical Chemistry Chemical Physics, 2017, 19, 32099-32104.	1.3	49
14	Synthesis, structural and spectroscopic properties of acentric triple molybdate Cs2NaBi(MoO4)3. Journal of Solid State Chemistry, 2015, 225, 53-58.	1.4	46
15	Crystal Structure, Vibrational, Spectroscopic and Thermochemical Properties of Double Sulfate Crystalline Hydrate [CsEu(H2O)3(SO4)2]Â·H2O and Its Thermal Dehydration Product CsEu(SO4)2. Crystals, 2021, 11, 1027.	1.0	43
16	Luminescence of yttrium aluminum borate single crystals doped with manganese. Physics of the Solid State, 2007, 49, 1695-1699.	0.2	37
17	Exploration of structural, thermal and spectroscopic properties of self-activated sulfate Eu2(SO4)3 with isolated SO4 groups. Journal of Industrial and Engineering Chemistry, 2018, 68, 109-116.	2.9	37
18	Negative thermal expansion in one-dimension of a new double sulfate AgHo(SO4)2 with isolated SO4 tetrahedra. Journal of Materials Science and Technology, 2021, 76, 111-121.	5.6	34

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19	Upconversion luminescence of YAl3(BO3)4:(Yb3+,Tm3+) crystals. Journal of Alloys and Compounds, 2010, 496, L18-L21.	2.8	30
20	Raman study of structural transformations in selfâ€assembled diphenylalanine nanotubes at elevated temperatures. Journal of Raman Spectroscopy, 2017, 48, 1401-1405.	1.2	30
21	Vibrational spectra and elastic, piezoelectric, and magnetoelectric properties of HoFe3(BO3)4 and HoAl3(BO3)4 crystals. Journal of Experimental and Theoretical Physics, 2013, 117, 1032-1041.	0.2	28
22	Lattice dynamics and hydrostatic-pressure-induced phase transitions in ScF3. Journal of Experimental and Theoretical Physics, 2002, 94, 977-984.	0.2	27
23	Pressure-induced phase transition in the cubic ScF3 crystal. Physics of the Solid State, 2009, 51, 810-816.	0.2	27
24	Structural transformations in a singleâ€crystal Rb₂NaYF₆: Raman scattering study. Journal of Raman Spectroscopy, 2013, 44, 763-769.	1.2	27
25	Europium doped strontium borate glasses and their optical properties. Journal of Physics and Chemistry of Solids, 2005, 66, 75-79.	1.9	26
26	Selective excitation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>E</mml:mi><mml:mn>1</mml:mn></mml:msub><mml:mrow><mml:mo>(</mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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37	Synthesis of Samarium OxysulfateSm2O2SO4 in the High-Temperature Oxidation Reaction and Its Structural, Thermal and Luminescent Properties. Molecules, 2020, 25, 1330.	1.7	19
38	Luminescence of monoclinic Y2O3:Eu nanophosphor produced via laser vaporization. Optical Materials, 2020, 104, 109843.	1.7	19
39	Raman study of datolite CaBSiO₄(OH) at simultaneously high pressure and high temperature. Journal of Raman Spectroscopy, 2015, 46, 177-181.	1.2	18
40	Manifestation of magnetoelastic interactions in Raman spectra of Ho_xNd1â^'_xFe₃(BO₃)₄ crystals. Journal of Advanced Dielectrics, 2018, 08, 1850011.	1.5	18
41	Pseudo-Anomalous Size-Dependent Electronâ€“Phonon Interaction in Graded Energy Band: Solving the Fano Paradox. Journal of Physical Chemistry Letters, 2021, 12, 2044-2051.	2.1	18
42	Lattice dynamics and Raman scattering spectrum of elpasolite Rb2KScF6: Comparative analysis. Physics of the Solid State, 2004, 46, 1311-1319.	0.2	17
43	Structure and lattice dynamics of the high-pressure phase in the ScF3 crystal. Physics of the Solid State, 2011, 53, 564-569.	0.2	17
44	Si/Fe flux ratio influence on growth and physical properties of polycrystalline Î²-FeSi2 thin films on Si(100) surface. Journal of Magnetism and Magnetic Materials, 2017, 440, 144-152.	1.0	17
45	High-temperature oxidation of europium (II) sulfide. Journal of Industrial and Engineering Chemistry, 2019, 79, 62-70.	2.9	17
46	Crystal Growth and Raman Spectroscopy Study of Sm_{1â€“x}La_xFe₃(BO₃)₄ Ferroborates. Crystal Growth and Design, 2016, 16, 6915-6921.	1.4	16
47	Synthesis, structure, and properties of EuScCuS3 and SrScCuS3. Journal of Solid State Chemistry, 2021, 296, 121926.	1.4	15
48	Spectroscopic properties and energy levels of Yb3+ ion in huntite structure. Journal of Alloys and Compounds, 2009, 476, 64-69.	2.8	14
49	Raman spectra and phase composition of MnGeO₃ crystals. Journal of Raman Spectroscopy, 2016, 47, 531-536.	1.2	14
50	In situ spectroscopic study of water intercalation into talc: New features of 10 Ã... phase formation. American Mineralogist, 2016, 101, 431-436.	0.9	14
51	Understanding perceived color through gradual spectroscopic variations in electrochromism. Indian Journal of Physics, 2019, 93, 927-933.	0.9	14
52	Formation, evolution and characteristics of copper sulfide nanoparticles in the reactions of aqueous cupric and sulfide ions. Materials Chemistry and Physics, 2020, 255, 123600.	2.0	14
53	Single particle Raman spectroscopy analysis of the metalâ€“organic framework DUT-8(Ni) switching transition under hydrostatic pressure. Chemical Communications, 2020, 56, 8269-8272.	2.2	14
54	New double nonlinear-optical borate Rb3SmB6O12: Synthesis, structure and spectroscopic properties. Journal of Alloys and Compounds, 2022, 905, 164022.	2.8	14

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55	Raman study of HoFe₃(BO₃)₄ at simultaneously high pressure and high temperature: pâ€“T phase diagram. Journal of Raman Spectroscopy, 2017, 48, 1406-1410.	1.2	13
56	Raman Spectra of Diphenylalanine Microtubes: Polarisation and Temperature Effects. Crystals, 2020, 10, 224.	1.0	13
57	Synthesis, structure and photoluminescent properties of Eu:Gd2O3 nanophosphor synthesized by cw CO2 laser vaporization. Journal of Luminescence, 2021, 235, 118050.	1.5	13
58	The cubic-to-monoclinic phase transition in (NH4)3ScF6 cryolite: A Raman scattering study. Physics of the Solid State, 2001, 43, 2307-2310.	0.2	12
59	Synthesis, structure, and properties of EuErCuS3. Journal of Alloys and Compounds, 2019, 805, 779-788.	2.8	12
60	Anomalous Raman phenomenon of CuCrS₂. Journal of Raman Spectroscopy, 2010, 41, 1775-1778.	1.2	11
61	Spectroscopic properties of Nd0.5Gd0.5Fe3(BO3)4 single crystal. Journal of Alloys and Compounds, 2012, 529, 38-43.	2.8	11
62	Raman scattering study of temperature and hydrostatic pressure phase transitions in Rb₂KTiOF₅ crystal. Journal of Raman Spectroscopy, 2012, 43, 577-582.	1.2	11
63	Local Raman spectroscopy of DNA. Bulletin of the Lebedev Physics Institute, 2014, 41, 310-315.	0.1	11
64	Synthesis, structure, melting and optical properties of three complex orthorhombic sulfides BaDyCuS3, BaHoCuS3 and BaYbCuS3. Materials Research Bulletin, 2021, 140, 111314.	2.7	11
65	Exploration of the structural, spectroscopic and thermal properties of double sulfate monohydrate NaSm(SO4)2Â·H2O and its thermal decomposition product NaSm(SO4)2. Advanced Powder Technology, 2021, 32, 3943-3953.	2.0	11
66	Structural phase transitions in flexible DUT-8(Ni) under high hydrostatic pressure. Physical Chemistry Chemical Physics, 2022, 24, 3788-3798.	1.3	11
67	Raman spectroscopic study of the lattice dynamics in the Rb2KMoO3F3 oxyfluoride. Physics of the Solid State, 2012, 54, 1275-1280.	0.2	10
68	Low-temperature features of Raman spectra below magnetic transitions in multiferroic Ho_{1â€“x}Nd_xFe₃(BO₃)₄ and Sm_{1â€“y}La_yFe₃(BO₃)₄ single crystals. Ferroelectrics, 2017, 509, 92-96.	0.3	10
69	Colloidal and Deposited Products of the Interaction of Tetrachloroauric Acid with Hydrogen Selenide and Hydrogen Sulfide in Aqueous Solutions. Minerals (Basel, Switzerland), 2018, 8, 492.	0.8	10
70	Crystal and electronic structure, thermochemical and photophysical properties of europium-silver sulfate monohydrate AgEu(SO4)2Â·H2O. Journal of Solid State Chemistry, 2021, 294, 121898.	1.4	10
71	Optical Spectra of Gd3Ga5O12:Mn Crystals. Inorganic Materials, 2002, 38, 1032-1034.	0.2	9
72	Pressure-Induced Phase Transitions in ScF 3 Crystal--Raman Spectra and Lattice Dynamics. Ferroelectrics, 2003, 284, 31-45.	0.3	9

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73	Raman Spectra and Phase Transitions in the Rb 2 KScF 6 Elpasolite. Ferroelectrics, 2003, 284, 47-64.	0.3	9
74	Raman spectra and elastic properties of KPb2Cl5 crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3142-3145.	0.8	9
75	A Raman scattering study of the phase transition in the (NH4)3WO3F3 oxyfluoride. Physics of the Solid State, 2006, 48, 1356-1362.	0.2	9
76	Raman spectra and phase transitions in Rb2KInF6 elpasolite. Crystallography Reports, 2011, 56, 18-23.	0.1	9
77	Hydrostatic Pressure-Induced Phase Transitions in Rb2KInF6and Rb2KScF6Crystals: Raman Spectra and Lattice Dynamics Simulations. Ferroelectrics, 2012, 440, 100-104.	0.3	9
78	Crystal structure and phase transitions of a layered perovskite-like CsScF4crystal. CrystEngComm, 2016, 18, 8472-8486.	1.3	9
79	Heat capacity and magnetic properties of fluoride CsFe2+Fe3+F6 with defect pyrochlore structure. Journal of Solid State Chemistry, 2016, 237, 330-335.	1.4	9
80	Inâ€situ Raman study of phengite compressed in water medium under simultaneously high Pâ€“T parameters. Journal of Raman Spectroscopy, 2017, 48, 1431-1437.	1.2	9
81	The Raman Spectroscopy, XRD, SEM, and AFM Study of Arabinogalactan Sulfates Obtained Using Sulfamic Acid. Russian Journal of Bioorganic Chemistry, 2017, 43, 722-726.	0.3	9
82	Hydrostatic pressure-induced phase transitions in RbMnCl3: Raman spectra and lattice dynamics. Physics of the Solid State, 2004, 46, 1301-1310.	0.2	8
83	Raman spectroscopic study of the phase transitions in the Cs2NH4WO3F3 oxyfluoride. Physics of the Solid State, 2006, 48, 1064-1066.	0.2	8
84	Luminescence spectra of Ho3+ in distorted parity-breaking HoF63â¯ octahedra. Journal of Luminescence, 2012, 132, 690-692.	1.5	8
85	Influence of the Molecular Groups Ordering on Structural Phase Transitions in (NH₄)₂WO₂F₄ Crystal. Crystal Growth and Design, 2014, 14, 374-380.	1.4	8
86	Experimental and theoretical methods to study structural phase transition mechanisms in K3WO3F3 oxyfluoride. Journal of Solid State Chemistry, 2014, 218, 32-37.	1.4	8
87	Colloidal and Immobilized Nanoparticles of Lead Xanthates. ACS Omega, 2019, 4, 11472-11480.	1.6	8
88	Vibrational spectra of KPb2Cl5 and KPb2Br5 crystals. Computational Materials Science, 2006, 36, 212-216.	1.4	7
89	Magnetic properties, magnetoresistance, and Raman spectra of CuV x Cr1 â¯ x S2. Physics of the Solid State, 2009, 51, 532-536.	0.2	7
90	Vibrational spectroscopy of alkaline tungsten oxyfluoride crystals: structure, lattice dynamics, ordering processes, and phase transitions. Journal of Raman Spectroscopy, 2010, 41, 1784-1791.	1.2	7

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91	Raman investigation of fibrous zeolites of the natrolite group at high pressures of an aqueous medium. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 804-807.	0.1	7
92	A raman study of hydrostatic pressure induced phase transitions in Rb2KInF6 crystals. Physics of the Solid State, 2012, 54, 934-936.	0.2	7
93	Behavior of natrolite zeolite and fluorapatite at high pressures in a water medium. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 313-316.	0.1	7
94	Nature of phase transitions in ammonium oxofluorovanadates, a vibrational spectroscopy study of (NH4)3VO2F4 and (NH4)3VOF5. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 176, 106-113.	2.0	7
95	Raman and infrared characterization of gadolinium-doped manganese sulfide. Spectroscopy Letters, 2017, 50, 55-58.	0.5	7
96	Uniaxial mechanical stresses and their influence on the parameters of the ferroelectric phase transition in pressure-treated barium titanate. Ferroelectrics, 2017, 508, 161-166.	0.3	7
97	Temperatureâ€dependent absorption lines observation in Raman spectra of SmFe₃(BO₃)₄ ferroborate. Journal of Raman Spectroscopy, 2018, 49, 1732-1735.	1.2	7
98	Symmetry analysis of calculated vibrational spectra of Rb2KScF6 crystal. Computational Materials Science, 2006, 36, 221-224.	1.4	6
99	Vibrational Spectroscopy Studies of Temperature Phase Transitions in K3WO3F3. Ferroelectrics, 2010, 401, 168-172.	0.3	6
100	Raman scattering study of temperature induced phase transitions in crystalline ammonium heptafluorozirconate, (NH4)3ZrF7. Vibrational Spectroscopy, 2012, 62, 258-263.	1.2	6
101	Vibrational spectra and elastic piezoelectric and polarization properties of the Î±-SrB4O7 crystal. Journal of Experimental and Theoretical Physics, 2012, 115, 455-461.	0.2	6
102	Lattice dynamics and baric behavior of phonons in Hg2Cl2 crystals at high hydrostatic pressures. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 1033-1037.	0.1	6
103	Generalisation of phonon confinement model for interpretation of Raman line-shape from nano-silicon. Advances in Materials and Processing Technologies, 2018, 4, 227-233.	0.8	6
104	Structural and Thermoelectric Properties of Optically Transparent Thin Films Based on Single-Walled Carbon Nanotubes. Physics of the Solid State, 2018, 60, 2649-2655.	0.2	6
105	Gallium Composition-Dependent Structural Phase Transitions in HoFe_{3â€“x}Ga_x(BO₃)₄ Solid Solutions: Crystal Growth, Structure, and Raman Spectroscopy Study. Crystal Growth and Design, 2020, 20, 1058-1069.	1.4	6
106	Synthesis and characterization of nanoscale composite particles formed by 2D layers of Cuâ€“Fe sulfide and Mg-based hydroxide. Journal of Materials Chemistry A, 2022, 10, 9621-9634.	5.2	6
107	Acoustic waves effects on raman spectra of piezoelectric crystals. Ferroelectrics, 1995, 170, 181-186.	0.3	5
108	Vibrational Spectrum and Elastic Properties of KPb[sub 2]Cl[sub 5] Crystals. Physics of the Solid State, 2005, 47, 531.	0.2	5

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109	Origin of color centers in the flux-grown europium gallium garnet. Journal of Applied Physics, 2008, 103, 083102.	1.1	5
110	Raman Scattering Study Temperature Phase Transitions of Rb2KInF6Crystal. Ferroelectrics, 2011, 416, 95-100.	0.3	5
111	Ion exchange equilibria in simultaneous extraction of platinum(II, IV) and rhodium(III) from hydrochloric solutions. Russian Journal of Physical Chemistry A, 2012, 86, 1018-1024.	0.1	5
112	Raman scattering study of Î´-BiB₃O₆crystal. Ferroelectrics, 2016, 501, 26-31.	0.3	5
113	Raman scattering and phase transitions in fluorides with elpasolite structure. Ferroelectrics, 2017, 512, 58-64.	0.3	5
114	Structural, electronic and vibrational properties of LaF₃ according to density functional theory and Raman spectroscopy. Journal of Physics Condensed Matter, 2018, 30, 255901.	0.7	5
115	Residual mechanical stresses in pressure treated BaTiO3 powder. Ceramics International, 2019, 45, 12455-12460.	2.3	5
116	Anharmonicity and local noncentrosymmetric regions in BaTiO3 pressed powder studied by the Raman line temperature dependence. Ceramics International, 2020, 46, 22619-22623.	2.3	5
117	Study of flux crystal growth peculiarities, structure and Raman spectra of double (Mn,Ni)₃BO₅ and triple (Mn,Ni,Cu)₃BO₅ oxyborates with ludwigite structure. CrystEngComm, 2021, 23, 5624-5635.	1.3	5
118	Dynamical Immiscibility of Aqueous Carbonate Fluid in the Shortiteâ€“Water System at High-Pressureâ€“Temperature Conditions. Journal of Physical Chemistry C, 2021, 125, 18501-18509.	1.5	5
119	Recovery of Gold(I) Thiocyanate Complexes by Some Anion-Exchangers. Russian Journal of Physical Chemistry A, 2008, 82, 429-433.	0.1	5
120	Temperature dependent structural, dielectric, Raman, piezoresponse and photoluminescence investigations in sol-gel derived BCZT ceramics. Materials Chemistry and Physics, 2022, 277, 125526.	2.0	5
121	Raman Spectra and Ordering Processes in Alcaline-Tungsten Oxyfluorides. Ferroelectrics, 2007, 347, 79-85.	0.3	4
122	Resonant raman scattering and dispersion of polar optical and acoustic phonons in hexagonal inn. Semiconductors, 2010, 44, 161-170.	0.2	4
123	Influence of Acoustic and Magnetic Fields on the Formation of Fullerenes and Nanotubes in Carbon-Helium High-Frequency Plasma Under Atmospheric Pressure. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 584-589.	1.0	4
124	Raman scattering in dried DNA and crystalline amino acids. Physics of Wave Phenomena, 2016, 24, 272-278.	0.3	4
125	Vibrational spectra of NdF₃crystal. Ferroelectrics, 2016, 501, 15-19.	0.3	4
126	Effects of Pressure-Induced Phase Transition in Model Hg2Br2 Ferroelastics. Technical Physics Letters, 2018, 44, 757-760.	0.2	4

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127	Soft-mode condensation in Raman spectra of the Rb2KScF6 elpasolite. Physics of the Solid State, 2001, 43, 2154-2157.	0.2	3
128	Raman spectroscopic study of the phase transitions induced by hydrostatic pressure in a Rb2KScF6 crystal. Physics of the Solid State, 2006, 48, 1070-1072.	0.2	3
129	Molecular structural nonuniformity of ultradispersed diamond-containing material and the reasons why it arises. Russian Journal of Physical Chemistry B, 2007, 2, 485-492.	0.2	3
130	Optical studies of phase transitions in the (NH4)3Ti(O2)F5 crystal. Physics of the Solid State, 2009, 51, 817-822.	0.2	3
131	Nickel-containing carbon nanotubes and nanoparticles prepared in a high-frequency arc plasma. Physics of the Solid State, 2009, 51, 1972-1975.	0.2	3
132	Raman Scattering Study of Temperature Phase Transitions in (NH₄)₃MoO₃F₃. Ferroelectrics, 2012, 430, 65-70.	0.3	3
133	Behavior of CaBSiO4(OH) datolite at high temperatures and pressures of a water medium. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 794-797.	0.1	3
134	Phase transitions in (NH4)2MoO2F4 crystal. Journal of Molecular Structure, 2016, 1124, 125-130.	1.8	3
135	Raman light scattering in sodium nitrite crystals. Bulletin of the Lebedev Physics Institute, 2016, 43, 167-173.	0.1	3
136	Ion-exchange sorption of silver(I) chloride complexes from aqueous HCl solutions. Russian Journal of Physical Chemistry A, 2017, 91, 2383-2388.	0.1	3
137	Raman scattering and phase transitions in <scp>(NH₄)₃TiF₇</scp>. Journal of Raman Spectroscopy, 2018, 49, 1230-1235.	1.2	3
138	Ion-Exchange Sorption of Palladium(II) from Hydrochloric Acid Solutions in the Presence of Silver(I). Russian Journal of Physical Chemistry A, 2018, 92, 2053-2059.	0.1	3
139	Lattice Dynamics and Baric Behavior of Phonons in the Hg2Br2 Model Ferroelastics. Physics of the Solid State, 2019, 61, 187-191.	0.2	3
140	The behavior of zeolites wairakite and phillipsite at high P-T parameters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 273, 120979.	2.0	3
141	Multicomponent flux growth and composition control of Cu₂MnBO₅:Ga ludwigites. CrystEngComm, 2022, 24, 3565-3575.	1.3	3
142	Effects of orientational disorder in Raman spectra of Rb2ZnCl4 crystal. Ferroelectrics, 1999, 233, 51-56.	0.3	2
143	Raman scattering study of the upper phase transition in CsScF4. Journal of Raman Spectroscopy, 2000, 31, 151-155.	1.2	2
144	Raman spectra and pressure-induced lattice instabilities in RbMnCl3 crystal. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3097-3100.	0.8	2

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145	A raman scattering study of the phase transition in the ammonium oxyfluoride (NH4)3TiOF5. Physics of the Solid State, 2008, 50, 1534-1537.	0.2	2
146	Vibrational spectra of disordered oxyfluoride (NH4)3WO3F3. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 1145-1148.	0.1	2
147	Structural, spectroscopic, and thermophysical investigations of the oxyfluorides CsZnMoO3F3 and CsMnMoO3F3 with the pyrochlore structure. Physics of the Solid State, 2014, 56, 599-605.	0.2	2
148	Ion-exchange extraction of platinum(II,IV) from chloride solutions in the presence of iron(III). Russian Journal of Physical Chemistry A, 2015, 89, 1464-1470.	0.1	2
149	Raman scattering in a ferroelectric sodium nitrite crystal. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 1127-1130.	0.1	2
150	In situ Raman study of wairakite and dawsonite interaction with water at high Pâ€“T parameters. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 522-524.	0.1	2
151	Polarized Raman spectroscopy of deltaâ€BiB₃O₆ at 7â€“350ÂK. Journal of Raman Spectroscopy, 2017, 48, 1414-1419.	1.2	2
152	In situ Raman spectroscopic study of interaction between phengite and water under Pâ€“T conditions typical of subduction zones. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 590-593.	0.1	2
153	Non-Hydrostatic Pressure-Induced Phase Transitions in Self-Assembled Diphenylalanine Microtubes. Technical Physics, 2018, 63, 1311-1315.	0.2	2
154	Ferroelastic phase transition in the family of double fluoride crystals by Raman spectroscopy. Ferroelectrics, 2020, 568, 185-190.	0.3	2
155	Structural phase transition in TbFe_{2.5}Ga_{0.5}(BO₃)₄ single crystal. Ferroelectrics, 2020, 559, 128-134.	0.3	2
156	Synthesis, Crystal Structure, Luminescence, and Thermophysical Properties of TbGaGe2O7. Physics of the Solid State, 2021, 63, 75-78.	0.2	2
157	The influence of chalcogen atom on conformation and phase transition in chalcogenazinoquinolinium monoiodides. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 526-536.	0.5	2
158	Spectroscopy of structurally disordered hydrated iron fluoridotitanate in the regions of vibrational and electronic excitations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 264, 120244.	2.0	2
159	Synthesis, Crystal Structure, and Physicochemical Properties of Bi4â€“xPrxTi3O12 (x = 0.4, 0.8, 1.2, 1.6) Solid Solutions. Inorganic Materials, 2021, 57, 919-928.	0.2	2
160	High-pressure transformation of dithiazolylidene-dithiazolium polyiodide with N-Hâ€¦N hydrogen bond: A Raman Spectroscopy study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 268, 120635.	2.0	2
161	Phase transitions and pâ€“T phase diagram of the multiferroic TbFe ₃ (BO ₃) ₄ crystal. Journal of Raman Spectroscopy, 0, , .	1.2	2
162	Condensation of a soft mode in the Raman spectrum of the second tetragonal phase of CsScF4. Physics of the Solid State, 1997, 39, 632-633.	0.2	1

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163	Phase transition in the layered perovskite CsScF4 induced by hydrostatic pressure. Physics of the Solid State, 1999, 41, 1541-1543.	0.2	1
164	Effect of tetragonal-tetragonal phase transition on Raman spectra and lattice dynamics of CsScF4 crystal. Ferroelectrics, 1999, 233, 103-110.	0.3	1
165	Fullerene films deposited by evaporation in vacuum using spot-focused annular electron beam. Technical Physics Letters, 2005, 31, 1036-1038.	0.2	1
166	Structural properties and lattice dynamics of RbMnCl3 crystal. Computational Materials Science, 2006, 36, 79-83.	1.4	1
167	A study of phase transition in (NH4)3WO3F3oxyfluoride by Raman scattering. Physica Status Solidi (B): Basic Research, 2006, 243, 435-441.	0.7	1
168	Raman spectroscopic study of the phase transitions in the (NH4)3WO3F3 oxyfluoride. Physics of the Solid State, 2006, 48, 1067-1069.	0.2	1
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