

Svetlana Krylova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Structural phase transitions in flexible DUT-8(Ni) under high hydrostatic pressure. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 3788-3798.	2.8	11
2	The behavior of zeolites wairakite and phillipsite at high P-T parameters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 120979.	3.9	3
3	Synthesis and characterization of nanoscale composite particles formed by 2D layers of Cu ²⁺ /Fe sulfide and Mg-based hydroxide. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9621-9634.	10.3	6
4	Pressure-Temperature Phase Diagram of Multiferroic TbFe _{2.46} Ga _{0.54} (BO ₃) ₄ . <i>Magnetochemistry</i> , 2022, 8, 59.	2.4	1
5	Temperature-dependent Raman spectroscopy, domain morphology and photoluminescence studies in lead-free BCZT ceramic. <i>Ceramics International</i> , 2021, 47, 2828-2838.	4.8	23
6	Tailoring adsorption induced switchability of a pillared layer MOF by crystal size engineering. <i>CrystEngComm</i> , 2021, 23, 538-549.	2.6	23
7	Synthesis, structure, and properties of EuScCu ₃ and SrScCu ₃ . <i>Journal of Solid State Chemistry</i> , 2021, 296, 121926.	2.9	15
8	Dynamical Immiscibility of Aqueous Carbonate Fluid in the Shortite-Water System at High-Pressure-Temperature Conditions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18501-18509.	3.1	5
9	Gallium Composition-Dependent Structural Phase Transitions in HoFe ₃ Ga(BO ₃) ₄ Solid Solutions: Crystal Growth, Structure, and Raman Spectroscopy Study. <i>Crystal Growth and Design</i> , 2020, 20, 1058-1069.	3.0	6
10	Optical properties of the HoGa ₃ (BO ₃) ₄ crystal: experiment and ab initio calculation. <i>Ferroelectrics</i> , 2020, 559, 135-140.	0.6	1
11	Single particle Raman spectroscopy analysis of the metal-organic framework DUT-8(Ni) switching transition under hydrostatic pressure. <i>Chemical Communications</i> , 2020, 56, 8269-8272.	4.1	14
12	Structural phase transition in TbFe _{2.5} Ga _{0.5} (BO ₃) ₄ single crystal. <i>Ferroelectrics</i> , 2020, 559, 128-134.	0.6	2
13	Raman Spectra of Diphenylalanine Microtubes: Polarisation and Temperature Effects. <i>Crystals</i> , 2020, 10, 224.	2.2	13
14	Soft modes in HoFe _{2.5} Ga _{0.5} (BO ₃) ₄ solid solution. <i>Ferroelectrics</i> , 2020, 556, 16-22.	0.6	0
15	Phase transitions in Rb ₂ KLuF ₆ crystal. <i>Ferroelectrics</i> , 2019, 538, 28-34.	0.6	1
16	Synthesis, structure, and properties of EuErCu ₃ . <i>Journal of Alloys and Compounds</i> , 2019, 805, 779-788.	5.5	12
17	Soft modes condensation in Raman spectra of (Pb ²⁺ /La)(Zr ⁴⁺ /Sn ⁴⁺ /Ti)O ₃ ceramics. <i>Journal of Advanced Dielectrics</i> , 2019, 09, 1950024.	2.4	0
18	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> , 2019, 7, 21459-21475.	10.3	54

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19	Manifestations of Structural Phase Transitions in a Rb ₂ KLuF ₆ Crystal in Its Raman Spectra. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 341-345.	0.6	0
20	Non-Hydrostatic Pressure-Induced Phase Transitions in Self-Assembled Diphenylalanine Microtubes. Technical Physics, 2018, 63, 1311-1315.	0.7	2
21	Manifestation of magnetoelastic interactions in Raman spectra of Ho _x Nd _{1-x} Fe ₃ (BO ₃) ₄ crystals. Journal of Advanced Dielectrics, 2018, 08, 1850011.	2.4	18
22	Raman study of HoFe ₃ (BO ₃) ₄ at simultaneously high pressure and high temperature: p - T phase diagram. Journal of Raman Spectroscopy, 2017, 48, 1406-1410.	2.5	13
23	Raman scattering and phase transitions in fluorides with elpasolite structure. Ferroelectrics, 2017, 512, 58-64.	0.6	5
24	Phase transitions in (NH ₄) ₂ MoO ₂ F ₄ crystal. Journal of Molecular Structure, 2016, 1124, 125-130.	3.6	3
25	Crystal structure and phase transitions of a layered perovskite-like CsScF ₄ crystal. CrystEngComm, 2016, 18, 8472-8486.	2.6	9
26	Influence of the Molecular Groups Ordering on Structural Phase Transitions in (NH ₄) ₂ WO ₂ F ₄ Crystal. Crystal Growth and Design, 2014, 14, 374-380.	3.0	8
27	Measurement of Raman-Scattering Spectra of Rb ₂ KMoO ₃ F ₃ Crystal: Evidence for Controllable Disorder in the Lattice Structure. Crystal Growth and Design, 2014, 14, 923-927.	3.0	22
28	Structural transformations in a single crystal Rb ₂ NaYF ₆ : Raman scattering study. Journal of Raman Spectroscopy, 2013, 44, 763-769.	2.5	27
29	Raman Scattering Study of Temperature Phase Transitions in (NH ₄) ₃ MoO ₃ F ₃ . Ferroelectrics, 2012, 430, 65-70.	0.6	3
30	Raman scattering study of temperature induced phase transitions in crystalline ammonium heptafluorozirconate, (NH ₄) ₃ ZrF ₇ . Vibrational Spectroscopy, 2012, 62, 258-263.	2.2	6
31	Hydrostatic Pressure-Induced Phase Transitions in Rb ₂ KInF ₆ and Rb ₂ KScF ₆ Crystals: Raman Spectra and Lattice Dynamics Simulations. Ferroelectrics, 2012, 440, 100-104.	0.6	9
32	Raman scattering study of temperature and hydrostatic pressure phase transitions in Rb ₂ KTiOF ₅ crystal. Journal of Raman Spectroscopy, 2012, 43, 577-582.	2.5	11
33	A raman study of hydrostatic pressure induced phase transitions in Rb ₂ KInF ₆ crystals. Physics of the Solid State, 2012, 54, 934-936.	0.6	7
34	Raman Scattering Study Temperature Phase Transitions of Rb ₂ KInF ₆ Crystal. Ferroelectrics, 2011, 416, 95-100.	0.6	5
35	Raman spectra and phase transitions in Rb ₂ KInF ₆ elpasolite. Crystallography Reports, 2011, 56, 18-23.	0.6	9
36	Vibrational spectra of KPb ₂ Cl ₅ and KPb ₂ Br ₅ crystals. Computational Materials Science, 2006, 36, 212-216.	3.0	7

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37	Symmetry analysis of calculated vibrational spectra of Rb ₂ KScF ₆ crystal. Computational Materials Science, 2006, 36, 221-224.	3.0	6
38	Structural properties and lattice dynamics of RbMnCl ₃ crystal. Computational Materials Science, 2006, 36, 79-83.	3.0	1
39	Raman spectroscopic study of the phase transitions induced by hydrostatic pressure in a Rb ₂ KScF ₆ crystal. Physics of the Solid State, 2006, 48, 1070-1072.	0.6	3
40	Vibrational Spectrum and Elastic Properties of KPb ₂ Cl ₅ Crystals. Physics of the Solid State, 2005, 47, 531.	0.6	5
41	Hydrostatic pressure-induced phase transitions in RbMnCl ₃ : Raman spectra and lattice dynamics. Physics of the Solid State, 2004, 46, 1301-1310.	0.6	8
42	Lattice dynamics and Raman scattering spectrum of elpasolite Rb ₂ KScF ₆ : Comparative analysis. Physics of the Solid State, 2004, 46, 1311-1319.	0.6	17
43	Raman spectra and pressure-induced lattice instabilities in RbMnCl ₃ crystal. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3097-3100.	0.8	2
44	Raman spectra and elastic properties of KPb ₂ Cl ₅ crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3142-3145.	0.8	9
45	Pressure-Induced Phase Transitions in RbMnCl ₃ Crystal – Raman Spectra and Lattice Dynamics. Ferroelectrics, 2004, 307, 103-118.	0.6	0
46	Phase transitions and p-T phase diagram of the multiferroic TbFe ₃ (BO ₃) ₄ crystal. Journal of Raman Spectroscopy, 0, , .	2.5	2