Svetlana Krylova

List of Publications by Year
in descending order

46	407	840776 11	839539 18
papers	citations	h-index	g-index

51	51	51	348
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	10.3	54
2	Structural transformations in a singleâ€crystal Rb₂NaYF₆: Raman scattering study. Journal of Raman Spectroscopy, 2013, 44, 763-769.	2.5	27
3	Temperature-dependent Raman spectroscopy, domain morphology and photoluminescence studies in lead-free BCZT ceramic. Ceramics International, 2021, 47, 2828-2838.	4.8	23
4	Tailoring adsorption induced switchability of a pillared layer MOF by crystal size engineering. CrystEngComm, 2021, 23, 538-549.	2.6	23
5	Measurement of Raman-Scattering Spectra of Rb₂KMoO₃F₃ Crystal: Evidence for Controllable Disorder in the Lattice Structure. Crystal Growth and Design, 2014, 14, 923-927.	3.0	22
6	Manifestation of magnetoelastic interactions in Raman spectra of Ho_xNd1â^'_xFe₃(BO₃)₄ crystals. Journal of Advanced Dielectrics, 2018, 08, 1850011.	2.4	18
7	Lattice dynamics and Raman scattering spectrum of elpasolite Rb2KScF6: Comparative analysis. Physics of the Solid State, 2004, 46, 1311-1319.	0.6	17
8	Synthesis, structure, and properties of EuScCuS3 and SrScCuS3. Journal of Solid State Chemistry, 2021, 296, 121926.	2.9	15
9	Single particle Raman spectroscopy analysis of the metalâ€“organic framework DUT-8(Ni) switching transition under hydrostatic pressure. Chemical Communications, 2020, 56, 8269-8272.	4.1	14
10	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.	2.5	13
11	Raman Spectra of Diphenylalanine Microtubes: Polarisation and Temperature Effects. Crystals, 2020, 10, 224.	2.2	13
12	Synthesis, structure, and properties of EuErCuS3. Journal of Alloys and Compounds, 2019, 805, 779-788.	5.5	12
13	Raman scattering study of temperature and hydrostatic pressure phase transitions in Rb₂KTiOF₅ crystal. Journal of Raman Spectroscopy, 2012, 43, 577-582.	2.5	11
14	Structural phase transitions in flexible DUT-8(Ni) under high hydrostatic pressure. Physical Chemistry Chemical Physics, 2022, 24, 3788-3798.	2.8	11
15	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
16	Raman spectra and phase transitions in Rb2KInF6 elpasolite. Crystallography Reports, 2011, 56, 18-23.	0.6	9
17	Hydrostatic Pressure-Induced Phase Transitions in Rb2KInF6and Rb2KScF6Crystals: Raman Spectra and Lattice Dynamics Simulations. Ferroelectrics, 2012, 440, 100-104.	0.6	9
18	Crystal structure and phase transitions of a layered perovskite-like CsScF4crystal. CrystEngComm, 2016, 18, 8472-8486.	2.6	9

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19	Hydrostatic pressure-induced phase transitions in RbMnCl3: Raman spectra and lattice dynamics. Physics of the Solid State, 2004, 46, 1301-1310.	0.6	8
20	Influence of the Molecular Groups Ordering on Structural Phase Transitions in (NH₄)₂WO₂F₄ Crystal. Crystal Growth and Design, 2014, 14, 374-380.	3.0	8
21	Vibrational spectra of KPb2Cl5 and KPb2Br5 crystals. Computational Materials Science, 2006, 36, 212-216.	3.0	7
22	A raman study of hydrostatic pressure induced phase transitions in Rb2KInF6 crystals. Physics of the Solid State, 2012, 54, 934-936.	0.6	7
23	Symmetry analysis of calculated vibrational spectra of Rb2KScF6 crystal. Computational Materials Science, 2006, 36, 221-224.	3.0	6
24	Raman scattering study of temperature induced phase transitions in crystalline ammonium heptafluorozirconate, (NH4)3ZrF7. Vibrational Spectroscopy, 2012, 62, 258-263.	2.2	6
25	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.	3.0	6
26	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.	10.3	6
27	Vibrational Spectrum and Elastic Properties of KPb[sub 2]Cl[sub 5] Crystals. Physics of the Solid State, 2005, 47, 531.	0.6	5
28	Raman Scattering Study Temperature Phase Transitions of Rb2KInF6Crystal. Ferroelectrics, 2011, 416, 95-100.	0.6	5
29	Raman scattering and phase transitions in fluorides with elpasolite structure. Ferroelectrics, 2017, 512, 58-64.	0.6	5
30	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.	3.1	5
31	Raman spectroscopic study of the phase transitions induced by hydrostatic pressure in a Rb2KScF6 crystal. Physics of the Solid State, 2006, 48, 1070-1072.	0.6	3
32	Raman Scattering Study of Temperature Phase Transitions in (NH₄)₃MoO₃F₃. Ferroelectrics, 2012, 430, 65-70.	0.6	3
33	Phase transitions in (NH4)2MoO2F4 crystal. Journal of Molecular Structure, 2016, 1124, 125-130.	3.6	3
34	The behavior of zeolites wairakite and phillipsite at high P-T parameters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 273, 120979.	3.9	3
35	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
36	Non-Hydrostatic Pressure-Induced Phase Transitions in Self-Assembled Diphenylalanine Microtubes. Technical Physics, 2018, 63, 1311-1315.	0.7	2

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37	Structural phase transition in TbFe_{2.5}Ga_{0.5}(BO₃)₄ single crystal. Ferroelectrics, 2020, 559, 128-134.	0.6	2
38	Phase transitions and pâ€“T phase diagram of the multiferroic TbFe ₃ (BO ₃) ₄ crystal. Journal of Raman Spectroscopy, 0, , .	2.5	2
39	Structural properties and lattice dynamics of RbMnCl3 crystal. Computational Materials Science, 2006, 36, 79-83.	3.0	1
40	Phase transitions in Rb₂KLuF₆ crystal. Ferroelectrics, 2019, 538, 28-34.	0.6	1
41	Optical properties of the HoGa3(BO3)4 crystal: experiment and ab initio calculation. Ferroelectrics, 2020, 559, 135-140.	0.6	1
42	Pressureâ€“Temperature Phase Diagram of Multiferroic TbFe2.46Ga0.54(BO3)4. Magnetochemistry, 2022, 8, 59.	2.4	1
43	Pressure-Induced Phase Transitions in RbMnCl3Crystalâ€”Raman Spectra and Lattice Dynamics. Ferroelectrics, 2004, 307, 103-118.	0.6	0
44	Soft modes condensation in Raman spectra of (Pbâ€“La)(Zrâ€“Snâ€“Ti)O₃ ceramics. Journal of Advanced Dielectrics, 2019, 09, 1950024.	2.4	0
45	Manifestations of Structural Phase Transitions in a Rb2KLuF6 Crystal in Its Raman Spectra. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 341-345.	0.6	0
46	Soft modes in HoFe2.5Ga0.5(BO3)4 solid solution. Ferroelectrics, 2020, 556, 16-22.	0.6	0