Gra?yna Bator

List of Publications by Year
in descending order

163	2,792	218677	276875
papers	citations	26 h-index	41 g-index

167	167	167	1658
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and phase transition in (CH₃NH₃)₃Bi₂Br₉. A novel improper ferroelectrics. Ferroelectrics, 1988, 77, 129-135.	0.6	129
2	Structure and ferroelectric properties of(C3N2H5)5Bi2Cl11. Physical Review B, 2005, 72, .	3.2	111
3	Ferroelectric properties of[4â˜NH2C5H4NH][SbCl4]. Physical Review B, 2003, 67, .	3.2	101
4	A ferroelectric inorganicâ€“organic hybrid based on NLO-phore stilbazolium. Journal of Materials Chemistry, 2009, 19, 2179.	6.7	95
5	Ferroelectric properties of (C5H5NH)5Bi2Br11. Journal of Chemical Physics, 2001, 114, 7239-7246.	3.0	90
6	Structural characterization and ferroelectric ordering in (C3N2H5)5Sb2Br11. Journal of Solid State Chemistry, 2008, 181, 1155-1166.	2.9	62
7	Structure and phase transitions in guanidinium halogenobismuthates(III). Journal of Molecular Structure, 2001, 570, 61-74.	3.6	55
8	Structure and phase transitions in tetramethylammonium tetrabromoindate(III) and tetraethylammonium tetrabromoindate(III) crystals. Journal of Molecular Structure, 2000, 555, 243-255.	3.6	54
9	Dielectric dispersion and vibrational studies of a new ferroelectric, glycinium phosphite crystal. Journal of Physics Condensed Matter, 1996, 8, 10647-10658.	1.8	50
10	Ferroelectric phase transition in deuterated glycinium phosphite crystals. Physical Review B, 1997, 55, 169-172.	3.2	45
11	Crystal structure, properties and phase transitions of morpholinium tetrafluoroborate [C4H10NO][BF4]. Journal of Molecular Structure, 2009, 929, 48-57.	3.6	44
12	On structural phase transitions in piperidinium halogenoantimonates(III) and bismuthates(III): X-ray, calorimetric, dilatometric, dielectric and Raman studies. Journal of Physics and Chemistry of Solids, 2000, 61, 1249-1261.	4.0	43
13	Lead-free hybrid ferroelectric material based on formamidine: [NH₂CHNH₂]₃Bi₂I₉. Journal of Materials Chemistry C, 2019, 7, 3003-3014.	5.5	39
14	Structure, phase transition and molecular motions in (C5H5NH)BiCl4. Physical Chemistry Chemical Physics, 2001, 3, 3222-3228.	2.8	34
15	Isostructural phase transition, quasielastic neutron scattering and magnetic resonance studies of a bistable dielectric ion-pair crystal [(CH₃)₂NH₂]₂KCr(CN)₆. Dalton Transactions, 2019, 48, 4190-4202.	3.3	34
16	Correlation between crystal structures and polar (ferroelectric) properties of hybrids of haloantimonates(<scp>iii</scp>) and halobismuthates(<scp>iii</scp>). Inorganic Chemistry Frontiers, 2020, 7, 2107-2128.	6.0	33
17	Vibrational study of the structural phase transitions in the (CH3ND3)3Sb2Br9 (d-MABA) crystals by infrared spectroscopy. Vibrational Spectroscopy, 2001, 25, 101-113.	2.2	32
18	Structural, thermal and dielectric studies on the novel solution grown (4-dimethylaminopyridinium) chloroantimonate(III) and chlorobismuthate(III) crystals. Materials Research Bulletin, 2011, 46, 1177-1185.	5.2	32

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19	The structure and vibrational spectra of some ferroelectric and ferroelastic alkylammonium halogenoantimonates(III) and bismuthates(III). Journal of Molecular Structure, 1998, 450, 89-100.	3.6	30
20	Dielectric Dispersion in Ferroelectrics [NH2(CH3)2]3Sb2Cl9 and [NH2(CH3)2]3Sb2Br9. Physica Status Solidi A, 1995, 147, 591-600.	1.7	29
21	Crystal structure, phase transitions and ferroelastic properties of [(CH3)2NH2]3[Bi2Cl9]. Journal of Solid State Chemistry, 2003, 173, 425-434.	2.9	29
22	Inelastic neutron scattering, Raman, infrared and DFT theoretical studies on chloranilic acid. Journal of Physical Organic Chemistry, 2003, 16, 709-714.	1.9	29
23	Multifunctional materials based on the double-perovskite organicâ€“inorganic hybrid (CH₃NH₃)₂[KCr(CN)₆] showing switchable dielectric, magnetic, and semiconducting behaviour. Dalton Transactions, 2019, 48, 16650-16660.	3.3	29
24	Structure, phase transitions and molecular motions in 4-aminopyridinium perchlorate. Journal of Physics Condensed Matter, 2002, 14, 8497-8512.	1.8	28
25	Fourier transform infrared and Fourier transform Raman investigation of alkylammonium hexachloroantimonates. Vibrational Spectroscopy, 1996, 13, 41-49.	2.2	27
26	On structural phase transitions inn-butylammonium chloroantimonate(III) and chlorobismuthate(III) crystals: x-ray, differential scanning calorimetry, dilatometric and dielectric dispersion studies. Journal of Physics Condensed Matter, 1997, 9, 627-645.	1.8	27
27	Structure, phase transitions and molecular dynamics in 4-methylpyridinium tetrachloroantimonate(III), [4-CH3C5H4NH][SbCl4]. Journal of Physics and Chemistry of Solids, 2004, 65, 871-879.	4.0	26
28	Phase transitions in the ferroelectric crystals[CH3NH3]5Bi2Cl11and[CH3NH3]5Bi2Br11studied by the nonlinear dielectric effect. Physical Review B, 2006, 74, .	3.2	26
29	Structure, phase transitions and molecular dynamics of [C(NH₂)₃]₃[M₂I₉], M = Sb, Bi. Journal of Physics Condensed Matter, 2008, 20, 255221.	1.8	26
30	Cyano-bridged perovskite [(CH3)3NOH]2[KM(CN)6], [M: Fe(iii), and Co(iii)] for high-temperature multi-axial ferroelectric applications with enhanced thermal and nonlinear optical performance. Journal of Materials Chemistry C, 2020, 8, 17491-17501.	5.5	26
31	Crystal structure and dielectric relaxation studies of the [N(CH3)3H]3Sb2(1â^'x)Bi2xCl9 mixed crystals. Journal of Applied Physics, 2000, 88, 1015-1023.	2.5	25
32	Structure and phase transitions in chloroantimonate(V) crystals: [(C2H5)3NH]SbCl6 and [(C2H5)3NH]SbCl6Â·1/2[(C2H5)3NH]Cl. Journal of Physics and Chemistry of Solids, 2002, 63, 507-518.	4.0	25
33	Low frequency internal modes of 1,2,4,5-tetramethylbenzene, tetramethylpyrazine and tetramethyl-1,4-benzoquinone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 63, 766-773.	3.9	25
34	L-glutamine: Dynamical properties investigation by means of INS, IR, RAMAN, 1H NMR and DFT techniques. Chemical Physics, 2014, 443, 17-25.	1.9	25
35	Flexible crystals of perovskite-like coordination polymers with a tunable and switchable organic guest: (CH₃NH₃)₂[KFe(CN)₆] and (CH₃NH₃)₂[KCo(CN)₆]. Dalton Transactions, 2017, 46, 2322-2331.	3.3	25
36	Investigations of organicâ€“inorganic hybrids based on homopiperidinium cation with haloantimonates(<scp>iii</scp>) and halobismuthates(<scp>iii</scp>). Crystal structures, reversible phase transitions, semiconducting and molecular dynamic properties. Dalton Transactions, 2018, 47, 13507-13522.	3.3	25

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37	Raman studies of structural phase transition in Cs3Bi2Br9. Vibrational Spectroscopy, 1998, 16, 11-20.	2.2	24
38	Reorientational dynamics of organic cations in perovskite-like coordination polymers. Dalton Transactions, 2018, 47, 17329-17341.	3.3	24
39	CRYSTAL STRUCTURE AND PHASE TRANSITION OF [(CH 3) 2 NH 2]GaCl 4. Journal of Physics and Chemistry of Solids, 1997, 58, 989-998.	4.0	23
40	Advances and Property Investigations of an Organicâ€“Inorganic Ferroelectric: (diisopropylammonium)₂[CdBr₄]. Inorganic Chemistry, 2020, 59, 11986-11994.	4.0	23
41	Structural characterization, thermal, dielectric, vibrational properties and molecular dynamics of (C5H5NH)3BiCl6. Journal of Molecular Structure, 2009, 932, 6-15.	3.6	22
42	4,4â€²-, 5,5â€²-, and 6,6â€²-dimethyl-2,2â€²-bipyridyls: The structures, phase transitions, vibrations, and methyl group tunneling of their complexes with chloranilic acid. Journal of Chemical Physics, 2011, 135, 044509.	3.0	22
43	Crystal structure, phase transition and ferroelectric properties of the [(CH3)3NH]3[Sb2Cl9(1Âx)Br9x] (TMACBA) mixed crystals. Journal of Physics Condensed Matter, 2003, 15, 5765-5781.	1.8	21
44	Tris(allylammonium) Hexabromobismuthate(III) - Crystal Structure, Phase Transitions and Thermal, Dielectric, Vibrational and 1H NMR Properties Over a Range of Temperatures. European Journal of Inorganic Chemistry, 2012, 2012, 636-646.	2.0	21
45	[NH2CHNH2]3Sb2I9: a lead-free and low-toxicity organicâ€“inorganic hybrid ferroelectric based on antimony(iii) as a potential semiconducting absorber. Inorganic Chemistry Frontiers, 2020, 7, 1780-1789.	6.0	21
46	Calorimetric, dielectric, infrared spectra and thermal expansion studies of structural phase transitions in ((CH3)2CHNH3)2MX5(M=Sb, Bi; X=Cl, Br) crystals. Journal of Physics Condensed Matter, 1995, 7, 5335-5350.	1.8	20
47	Structure and phase transition in the (C5H10NH2)SbCl6Â·(C5H10NH2)Cl crystal. Journal of Physics Condensed Matter, 2000, 12, 1143-1159.	1.8	20
48	Vibrational study of the structural phase transition in bis(pyrrolidinium)-chloride-hexachloroantimonate(V) by infrared spectroscopy. Journal of Molecular Structure, 2002, 614, 151-157.	3.6	20
49	Crystal structure, thermal, dielectric and vibrational studies of the [4-C2H5PyH]4[Sb2Cl10] crystal. Solid State Sciences, 2004, 6, 1273-1286.	3.2	20
50	Structure and Vibrational Spectra of 1:1 Chloranilic Acid (CLA)â€”Tetramethylpyrazine (TMP) Complex. Structural Chemistry, 2005, 16, 281-286.	2.0	20
51	Structural characterization, spectroscopic properties and phase transition in 4-aminopyridinium tetrachlorogallate(III): [4-NHPyH][GaCl]. Journal of Physics and Chemistry of Solids, 2007, 68, 2303-2316.	4.0	20
52	The (2:1) complex of picric acid with tetramethylpyrazine: The structure, IR spectra and tunnel splitting of methyl groups. Journal of Molecular Structure, 2010, 975, 298-302.	3.6	20
53	Dielectric-Optical Switches: Photoluminescent, EPR, and Magnetic Studies on Organicâ€“Inorganic Hybrid (azetidinium)₂MnBr₄. Inorganic Chemistry, 2022, 61, 5626-5636.	4.0	20
54	Screening Ferroelastic Transitions in Switchable Cyano-Bridged Perovskites: [CH₃C(NH₂)₂]₂[KM(CN)₆], M = Cr³⁺, Fe³⁺, Co³⁺. Crystal Structure Characterization, Dielectric Properties, ¹H NMR, and Quasielastic Neutron Scattering Studies. Crystal Growth and Design, 2019, 19, 4526-4537.	3.0	19

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55	Structure and phase transitions in the ferroelastic [C(NH2)3]3Bi2Br9crystal. Journal of Physics Condensed Matter, 1999, 11, 4731-4746.	1.8	17
56	Organic-inorganic hybrid crystals, (2,4,6-CH3PyH)3Sb2Cl9 and (2,4,6-CH3PyH)3Bi2Cl9. Crystal structure characterization and tunneling of CH3 groups studied by 1H NMR and neutron spectroscopy. Polyhedron, 2018, 139, 249-256.	2.2	17
57	(C₃N₂H₅)₃Sb₂I₉ and (C₃N₂H₅)₃Bi₂I₉: ferroelastic lead-free hybrid perovskite-like materials as potential semiconducting absorbers. Dalton Transactions, 2022, 51, 1850-1860.	3.3	17
58	Vibrational study of the structural phase transitions for the (CH3NH3)3Sb2Br9 (MABA) and (CH3NH3)3Bi2Br9 (MABB) crystals by infrared spectroscopy. Journal of Physics and Chemistry of Solids, 1993, 54, 1065-1072.	4.0	16
59	The structure and phase transition of tris(n-propylammonium) enneachlorodiantimonate (III),. Journal of Physics Condensed Matter, 1996, 8, 1957-1970.	1.8	16
60	Raman studies of ferroelectric phase transition in [NH2(CH3)2]3Sb2Cl9(DMACA). Vibrational Spectroscopy, 1998, 18, 203-210.	2.2	16
61	Pyroelectric properties of tricyclohexylmethanol (TCHM) single crystal. Journal of Physics and Chemistry of Solids, 2005, 66, 121-125.	4.0	16
62	Dielectric and pyroelectric properties of [N(CH3)3H]3Sb2Cl9 in the low temperature region. Ferroelectrics, 1993, 141, 177-187.	0.6	15
63	Phase transitions in the ferroelastic crystal. Journal of Physics Condensed Matter, 1998, 10, 5439-5447.	1.8	15
64	Critical slowing down of low-frequency dielectric relaxation in ferroelectric (C3N2H5)5Bi2Cl11. Journal of Physics Condensed Matter, 2005, 17, L411-L417.	1.8	15
65	Dielectric and pyroelectric properties of (CH₃NH₃)₃Me₂Br₉ (Me = Sb, Bi) crystals in the ferroelectric phase transition regions. Ferroelectrics, 1994, 158, 43-48.	0.6	14
66	Raman study of phase transitions in (n-C4H9NH3)2BiCl5. Journal of Molecular Structure, 1997, 435, 1-10.	3.6	14
67	X-ray and neutron diffraction, IR and INS spectroscopic and DFT theoretical studies on the tetramethylpyrazineâ€“1,2,4,5-tetracyanobenzene complex. Chemical Physics, 2006, 327, 237-246.	1.9	14
68	Thermal, dielectric and vibrational properties of allylammonium chloroantimonates(III) and chlorobismuthates(III): [C3H5NH3]3[BiCl6] and [C3H5NH3]3[SbCl5]Cl. Vibrational Spectroscopy, 2012, 62, 121-132.	2.2	14
69	Structural, spectroscopic and theoretical studies on 3,4,7,8-tetramethyl-1,10-phenantroline complex with picric acid. Chemical Physics, 2013, 410, 55-65.	1.9	14
70	Infrared studies on structural phase transitions in [NH2(CH3)2]3Sb2Br9 and [NH2(CH3)2]3Sb2I9. Vibrational Spectroscopy, 1994, 6, 193-204.	2.2	13
71	Infrared studies of structural phase transitions in (CH3NH3)3Bi2I9 (MAIB). Journal of Molecular Structure, 1994, 325, 45-51.	3.6	13
72	AC and DC conductivity around the ferroelectric phase transition in (CH3NH3)3Bi2Br9(MABB) crystal. Ferroelectrics, 1997, 200, 287-295.	0.6	13

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73	PHASE TRANSITIONS IN HALOGENOANTIMONATE(V) CRYSTALS: [N(CH3)4]SbCl6 AND [N(C2H5)4]SbCl6. Journal of Physics and Chemistry of Solids, 1998, 59, 1487-1498.	4.0	13
74	INS spectroscopic study of the 1:1 tetramethylpyrazine (TMP) squaric acid (H2SQ) complex. Chemical Physics, 2007, 334, 148-153.	1.9	13
75	Infrared investigations of the orderâ€“disorder ferroelectric phase transitions in imidazolium halogenobismuthates(III) and halogenoantimonates(III): (C3N2H5)5Bi2Cl11, (C3N2H5)5Bi2Br11 and (C3N2H5)5Sb2Br11. Vibrational Spectroscopy, 2009, 51, 226-237.	2.2	13
76	INS, IR, RAMAN, 1H NMR and DFT investigations on dynamical properties of l-asparagine. Vibrational Spectroscopy, 2014, 72, 1-7.	2.2	13
77	Structural phase transitions in (n-C3H7NH3)2BiBr5 and (n-C3H7NH3)3BiBr6. Physica B: Condensed Matter, 1996, 217, 67-77.	2.7	12
78	Vibrational study of structural phase transitions in [(CH3)2NH2]3[Bi2Cl9] and [(CH3)2NH2]3[As2Cl9] crystals. Vibrational Spectroscopy, 2003, 33, 143-152.	2.2	12
79	The structure, phase transition and molecular dynamics of [C(NH2)3]3[Sb2Br9]. Journal of Physics Condensed Matter, 2005, 17, 2509-2528.	1.8	12
80	X-ray diffraction, inelastic neutron scattering (INS) and infrared (IR) studies on 2:1 hexamethylbenzene (HMB)â€“tetracyanoethylene (TCNE) complex. Chemical Physics, 2006, 327, 311-318.	1.9	12
81	Structural characterization, thermal, dielectric and vibrational properties of tris(allylammonium) hexabromoantimonate(III), (C3H5NH3)3SbBr6. Chemical Physics, 2010, 375, 16-25.	1.9	12
82	Infrared studies of structural phase transitions in (NH3CH3)3Sb2I9. Vibrational Spectroscopy, 1995, 8, 425-433.	2.2	11
83	On structural phase transitions in the (C 5 H 12 N) 2 SbCl 5 crystals. Journal of Molecular Structure, 2000, 553, 175-186.	3.6	11
84	Phase transition and intramolecular hydrogen bonding in nitro derivatives of ortho-hydroxy acetophenones. Journal of Molecular Structure, 2006, 785, 7-13.	3.6	11
85	The phase situation and ferroelectric properties in the mixed crystals [4-NH2PyH][SbCl4(1â^'x)Br4x]. Journal of Molecular Structure, 2008, 887, 262-268.	3.6	11
86	Hydrogen bonded NHO chains formed by chloranilic acid (CLA) with 4,4â€²-di-t-butyl-2,2â€²-bipyridyl (dtBBP) in the solid state. Chemical Physics, 2012, 392, 114-121.	1.9	11
87	Structure and Tunneling Splitting Spectra of Methyl Groups of Tetramethylpyrazine in Complexes with Chloranilic and Bromanilic Acids. Journal of Physical Chemistry A, 2014, 118, 7159-7166.	2.5	11
88	Molecular dynamics in the Î±-Î±-dicyclohexyl-cyclohexane-methanol single crystal ((C6H11)3COH). Journal of Physics C: Solid State Physics, 1986, 19, 2799-2809.	1.5	10
89	Crystal structure, dielectric properties and molecular motions in (i -C 4 H 9 NH 3) 3 Bi 2 Br 9. Journal of Physics and Chemistry of Solids, 2000, 61, 887-897.	4.0	10
90	Vibrational study of the structural phase transitions in 4-aminopyridinium tetrachloroantimonate(III) (4-APCA) ferroelectric crystal by infrared spectroscopy. Vibrational Spectroscopy, 2007, 45, 36-45.	2.2	10

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91	Electric response in the antiferroelectric crystal of 4,4â€²-di-t-butyl-2,2â€²-bipyridyl with chloranilic acid. Chemical Physics, 2015, 452, 53-60.	1.9	10
92	Structural Phase Transitions in (n-C3H7NH3)2SbBr5. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1993, 48, 529-534.	1.5	9
93	Comparison studies of the influence of an electric field on permittivity close to ferroelectric-paraelectric phase transition in TGS, DMACA and DMABA crystals. Ferroelectrics, 1995, 166, 139-148.	0.6	9
94	Structure and properties of [2-NH2C5H4NH][SbCl4] and [2-NH2C5H4NH][SbBr4]. Journal of Physics Condensed Matter, 2004, 16, 8155-8172.	1.8	9
95	Structural phase transitions coupled with prominent dielectric anomalies and dielectric relaxation in [(CH₃)₃NH]₂[KCo(CN)₆] and mixed [(CH₃)₃NH]₂[KFe_xCo_{1â^'x}(CN)₆] double perovskite hybrids. Dalton Transactions, 2020, 49, 1830-1838.	3.3	9
96	Dielectric and Pyroelectric Studies on [N(CH₃)₄]₃Bi₂X₉ (X = Cl, Br). Acta Physica Polonica A, 1995, 87, 663-669.	0.5	9
97	Study of the structural phase transitions of (CH3NH3)3Sb2Cl9 (MACA) and (CH3NH3)3Bi2Cl9 (MACB) by infrared spectroscopy. Journal of Molecular Structure, 1991, 246, 193-202.	3.6	8
98	Dielectric dispersion, dilatometric and infrared studies of tris(guanidinium) enneachlorodiantimonate(III) ([C(NH2)3]3Sb2Cl9). Journal of Molecular Structure, 1994, 325, 95-103.	3.6	8
99	Phase transitions in i-butylammonium halogenoantimonate(III) and bismuthate(III) crystals. Journal of Molecular Structure, 1997, 436-437, 315-325.	3.6	8
100	Structure and phase transitions in tetramethylammonium pentachloroindate(III) crystals. Journal of Molecular Structure, 1999, 511-512, 345-354.	3.6	8
101	Inelastic neutron scattering studies on dichloro-1,4-benzoquinones. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 2875-2882.	3.9	8
102	Critical Behaviour in Ferroelectrics as Studied by Nonlinear Dielectric Effect. Invariants of the Electric Susceptibility in a Biasing Field. Solid State Phenomena, 2006, 112, 141-0.	0.3	8
103	Inelastic and quasielastic neutron scattering and IR and R spectroscopic studies of 1,2,4,5-tetracyanobenzene(TCNB)-1,2,4,5-tetramethylbenzene (durene) complexÂ¥. Phase Transitions, 2007, 80, 489-500.	1.3	8
104	The structure, methyl rotation reflected in inelastic and quasielastic neutron scattering and vibrational spectra of 1,2,3,5-tetramethoxybenzene and its 2:1 complex with 1,2,4,5-tetracyanobenzene. Journal of Chemical Physics, 2008, 129, 154506.	3.0	8
105	Vibrational and thermodynamic properties and molecular motions in the incommensurate crystal of morpholinium tetrafluoroborate studied by 1H NMR. Chemical Physics, 2011, 381, 11-20.	1.9	8
106	Structures and phase transitions in neat 4,4â€²-di-tert-butyl-2,2â€²-bipyridyl and in its molecular complexes with either bromanilic or iodanilic acid. CrystEngComm, 2017, 19, 6883-6895.	2.6	8
107	Phase transition tuning by Fe(<scp>iii</scp>)/Co(<scp>iii</scp>) substitution in switchable cyano-bridged perovskites: (C₃H₅N₂)₂[KFe_xCo_{1â^'x}(CN)₆]. Dalton Transactions, 2020, 49, 5503-5512.	3.3	8
108	Phase transitions and properties of 0D hybrid iodoantimonate(III) and iodobismuthate(III) semiconducting ferroics: [C(NH2)3]3Bi2I9 and [C(NH2)3]3Sb2I9. Journal of Molecular Structure, 2021, 1226, 129387.	3.6	8

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109	Dielectric and pyroelectric properties of (CH3NH3)3Bi2Br9crystals in the ferroelectric phase transition region. Ferroelectrics, 1993, 146, 65-71.	0.6	7
110	Infrared Studies on Structural Phase Transition in [N(CH₃)₄]₃Bi₂Br₉. Spectroscopy Letters, 2000, 33, 269-282.	1.0	7
111	Scaling equation of state for uniaxial ferroelectrics: zero-field susceptibility andNDEeffect. Phase Transitions, 2006, 79, 545-555.	1.3	7
112	Singularities and scaling invariants of susceptibility in biasing field near critical point: application to uniaxial ferroelectrics. Journal of Physics Condensed Matter, 2006, 18, 7145-7153.	1.8	7
113	DFT calculations of 2,6-dimethylpyrazine (26DMP) and its complex with chloranilic acid (CLA): Comparison to INS, IR and Raman vibration spectra. Journal of Molecular Structure, 2008, 892, 261-267.	3.6	7
114	X-ray structure and investigation of molecular motions by dielectric, vibrational and 1H NMR methods for two organic-inorganic hybrid piperazinium compounds: (C4H12N2)2[Sb2Cl10]Â·2H2O and (C4H12N2)2[Sb2Br10]Â·2H2O. Materials Research Bulletin, 2018, 104, 202-211.	5.2	7
115	Temperature-Stimulus Responsive Ferroelastic Molecularâ€“Ionic Crystal: (C₈H₂₀N)[BF₄]. Journal of Physical Chemistry C, 2020, 124, 18209-18218.	3.1	7
116	Dynamical Dielectric Properties of [4-NH2C5H4NH][SbCl4] in the Incommensurate Phase. Journal of the Physical Society of Japan, 2003, 72, 2369-2371.	1.6	7
117	Halogenoantimonates(III) and Halogenobismuthates(III)--A Rich Family of Ferroelectric Crystals. Ferroelectrics, 2003, 295, 3-8.	0.6	7
118	Preliminary studies of the influence of an electric field on permittivity close to the ferroelectricâ€”paraelectric phase transition in (CH3NH3)5Bi2Br11 crystal. Chemical Physics Letters, 1992, 199, 325-328.	2.6	6
119	Molecular dynamics and phase transitions in tris(dimethylammonium) enneaiododibismuthate (III) as studied by DSC, dilatometric, IR,¹H NMR and dielectric methods. Phase Transitions, 1994, 46, 257-267.	1.3	6
120	Dielectric and ferroelectric properties of the mixed crystals system (CH3NH3)5Bi2(1 â^' x)Sb2xCl11. Physica B: Condensed Matter, 1997, 240, 362-371.	2.7	6
121	On structural phase transitions in (i-C4H9NH3)3Bi2Br9: differential scanning calorimetry, dielectric and infrared studies. Journal of Molecular Structure, 1998, 450, 247-257.	3.6	6
122	Vibrational, DSC and dielectric studies of Cs1.5Li1.5H(SO4)2 crystal. Journal of Molecular Structure, 1999, 511-512, 1-18.	3.6	6
123	Crystal structure and dielectric properties of the [(CH3)2NH2]3Sb2(1-x)Bi2xCl9(DMACAB) mixed crystals. Journal of Physics Condensed Matter, 2001, 13, 8831-8852.	1.8	6
124	Crystal Structure, Thermal and Electric Behaviour of [(CH3)2NH2]3[As2Cl9] and [(CH3)2NH2][AsOCl2]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 516-522.	1.2	6
125	Inelastic neutron scattering (INS) spectrum of tetracyanoquinodimethane (TCNQ). Chemical Physics Letters, 2003, 378, 665-672.	2.6	6
126	Elastic, quasielastic, and inelastic neutron-scattering studies on the charge-transfer hexamethylbenzene-tetracyanoquinodimethane complex. Journal of Chemical Physics, 2005, 123, 124305.	3.0	6

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127	On the ratio of Curie--Weiss constants in ferroelectrics undergoing second order phase transitions. Phase Transitions, 2007, 80, 745-756.	1.3	6
128	Structure and vibrational spectra of squaric acid complexes with 4,4â€²- and 5,5â€²-dimethyl-2,2â€²-bipyridine. Journal of Molecular Structure, 2010, 976, 30-35.	3.6	6
129	Crystal structural analysis of methyl-substituted pyrazines with anilic acids: a combined diffraction, inelastic neutron scattering,¹H-NMR study and theoretical approach. CrystEngComm, 2018, 20, 2016-2028.	2.6	6
130	Switchable dielectric constant, structural and vibrational studies of double perovskite organicâ€“inorganic hybrids: (azetidinium)₂[KCr(CN)₆] and (azetidinium)₂[KFe(CN)₆]. CrystEngComm, 2022, 24, 4932-4939.	2.6	6
131	Phase transition in solid 2,2,4,4-tetramethyl- pentan-3-ol (TMP). Journal of Molecular Structure, 1990, 240, 39-46.	3.6	5
132	The structure and phase transition of mixed crystals. Journal of Physics Condensed Matter, 1996, 8, 367-381.	1.8	5
133	FT-IR (6600-50 cm^{â^'1}) and FT-Raman (3500â€”70 cm^{â^'1}) Studies of the Tetranuclear Bismuth (III) Complex (C₅H₅NH)₆Bi₄Cl₁₈.. Spectroscopy Letters, 1997, 30, 321-329.	1.0	5
134	Crystal structure and phase transitions in dipropylammonium hexachloroantimonate(V): [N(C3H7)2H2][SbCl6]. Journal of Molecular Structure, 2006, 792-793, 151-156.	3.6	5
135	The structure of diaminodurene and the dynamics of the methyl groups. Journal of Chemical Physics, 2009, 130, 164519.	3.0	5
136	The structure and vibrational spectra of the 2,5-dimethylpyrazine (2,5-DMP) 1:1 adduct with 2,5-dichloro-3,6-dihydroxy-p-benzoquinone (CLA). Chemical Physics, 2011, 380, 34-39.	1.9	5
137	Infrared studies of ferroelectric phase transition in [NH2(CH3)2]3Sb2Br9. Ferroelectrics, 1994, 152, 267-272.	0.6	4
138	Dielectric dispersion in [N(CH3)3H]3Sb2(1-X)Bi2XCl9mixed crystals. Ferroelectrics, 1999, 223, 301-308.	0.6	4
139	Crystal Structure, Phase Transition and Ferroelastic Properties of [N(CH3)4]3[As2Cl9]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 407-412.	1.2	4
140	Infrared studies of structural phase transitions in [NH2(CH3)2]3SbBr6. Journal of Molecular Structure, 1992, 274, 1-8.	3.6	3
141	Dilatometric, dielectric and NMR studies of structural phase transitions of the (CH3NH3)3Bi2Cl9 (MACB) crystals. Journal of Molecular Structure, 1996, 385, 145-151.	3.6	3
142	Halogenoantimonates(III) and Halogenobismuthates(III)â€”A Rich Family of Ferroelectric Crystals. Ferroelectrics, 2003, 295, 3-8.	0.6	3
143	Quasi-elastic neutron scattering (QENS) studies on the 1:1 tetramethylpyrazineâ€“1,2,4,5-tetracyanobenzene complex. Collection of Czechoslovak Chemical Communications, 2009, 74, 73-84.	1.0	3
144	p-N,Nâ€²-tetraacetylodiaminodurene. The structure and vibrational spectra. Chemical Physics, 2015, 459, 148-154.	1.9	3

#	Article	IF	Citations
145	Ferroelectricity and switching polarization on the Câ€“Hâ‹¯Ï€ bond in a pure organic molecular crystal â€“ 1,3,5-trimethylnitrobenzene. CrystEngComm, 2021, 23, 4005-4012.	2.6	3
146	Structure and Vibrational Spectra of 1,3,5-Trimethoxybenzene. Acta Physica Polonica A, 2007, 112, S-171-S-181.	0.5	3
147	Dielectric relaxation in liquid trimethylsilane carbonitrile. Journal of Molecular Liquids, 1986, 32, 1-10.	4.9	2
148	Dielectric Properties and Characterisation of the Superionic Phase of [C(NH2)3]2SbCl5*[C(NH2)3]Cl (GHCA). Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1995, 50, 888-892.	1.5	2
149	Dielectric Relaxation in Ferroelectric Mixed Crystals System (CH3NH3)5Bi2Cl11(1 â^' x)Br11x. Ferroelectrics, 2003, 295, 77-85.	0.6	2
150	The influence of structure on the methyl group dynamics of polymorphic complexes: 6,6â€²-dimethyl-2,2â€²-dipyridyl with halo derivatives of benzoquinone acids. CrystEngComm, 2020, 22, 6811-6821.	2.6	2
151	Temperature dependence of the static electric permittivity for trichloroacetonitrile and trimethylsilane carbonitrile. Journal of Molecular Liquids, 1989, 40, 117-126.	4.9	1
152	Infrared studies on structural phase transitions in (n-C3H7NH3)2SbBr5. Ferroelectrics, 1996, 185, 193-196.	0.6	1
153	Vibrational spectra of [(CH3)3NH]3Sb2Cl9, [(CH3)3NH]3Bi2Cl9 and their mixed crystals. Vibrational Spectroscopy, 1999, 20, 103-111.	2.2	1
154	Critical behaviour and the order parameter saturation in uniaxial ferroelectrics with the polar axes in and out of a crystallographic direction. Phase Transitions, 2010, 83, 768-781.	1.3	1
155	Critical Behaviour in Ferroelectrics as Studied by Nonlinear Dielectric Effect. Invariants of the Electric Susceptibility in a Biasing Field. Solid State Phenomena, 0, , 141-0.	0.3	1
156	Dielectric Relaxation in Ferroelectric Mixed Crystals System (CH 3 NH 3) 5 Bi 2 Cl 11(1 â^' x) Br 11x. Ferroelectrics, 2003, 295, 77-85.	0.6	1
157	Molecular-Ionic Halogenoantimonates and Bismuthates - a Rich Family of Crystals Showing Attractive Properties. , 1999, , 459-468.		1
158	Molecular relaxation and related processes in alcohols. Part. 1.â€”Dielectric dispersion and infrared studies of 3-methyl-1,5-diphenyl-1,4-pentadiyn-3-ol. Journal of the Chemical Society, Faraday Transactions 2, 1984, 80, 403-410.	1.1	0
159	Ferroelastic phase transitions in triethylammonium and piperidinium chloroantimonate(V). Ferroelectrics, 2001, 264, 145-150.	0.6	0
160	Crystal Structure and Ferroelectric Properties in the Mixed Crystals: [(CH 3) 2 NH 2] 3 Sb 2(1â^'x) Bi 2x Cl 9 and [(CH 3) 3 NH] 3 Sb 2 Cl 9(1â^'x) Br 9x. Ferroelectrics, 2002, 272, 297-302.	0.6	0
161	Vibrational study of structural phase transitions in [(CH3)2NH2]3[Bi2Cl9] and [(CH3)2NH2]3[As2Cl9] crystals. Vibrational Spectroscopy, 2003, 33, 143-143.	2.2	0
162	Crystal Structure, Phase Transition and Ferroelastic Properties of [N(CH3)4]3[As2Cl9].. ChemInform, 2004, 35, no.	0.0	0

#	Article	IF	Citations
163	Structures and phase transitions in molecular complexes containing tetrafluoroboric acid and tetramethylpyrazine. CrystEngComm, 2018, 20, 5772-5781.	2.6	0