

Anna Gägor

List of Publications by Year in descending order

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papers

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144
all docs

144
docs citations

144
times ranked

4772
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of divalent metal ions from aqueous solutions using graphene oxide. Dalton Transactions, 2013, 42, 5682.	1.6	710
2	Order-Disorder Transition and Weak Ferromagnetism in the Perovskite Metal Formate Frameworks of $[(CH_3)_2NH]_2[M(HCOO)_3]$ and $[(CH_3)_2ND]_2[M(HCOO)_3]$ (M = Ni, Mn). Inorganic Chemistry, 2014, 53, 457-467.	1.9	176
3	Perovskite Metal Formate Framework of $[NH_2-CH_2-NH_2]Mn(HCOO)_3$: Phase Transition, Magnetic, Dielectric, and Phonon Properties. Inorganic Chemistry, 2014, 53, 5260-5268.	1.9	148
4	Phase Transitions and Coexistence of Magnetic and Electric Orders in the Methylhydrazinium Metal Formate Frameworks. Chemistry of Materials, 2017, 29, 2264-2275.	3.2	136
5	Three-Dimensional Perovskite Methylhydrazinium Lead Chloride with Two Polar Phases and Unusual Second-Harmonic Generation Bistability above Room Temperature. Chemistry of Materials, 2020, 32, 4072-4082.	3.2	104
6	Experimental and theoretical studies of structural phase transition in a novel polar perovskite-like $[C_2H_5NH_3][Na_{0.5}Fe_{0.5}(HCOO)_3]$ formate. Dalton Transactions, 2016, 45, 2574-2583.	1.6	103
7	$[Methylhydrazinium]_2PbBr_4$, a Ferroelectric Hybrid Organic-Inorganic Perovskite with Multiple Nonlinear Optical Outputs. Chemistry of Materials, 2021, 33, 2331-2342.	3.2	97
8	Graphene oxide/cellulose membranes in adsorption of divalent metal ions. RSC Advances, 2016, 6, 96595-96605.	1.7	95
9	Suspended Aminosilanized Graphene Oxide Nanosheets for Selective Preconcentration of Lead Ions and Ultrasensitive Determination by Electrothermal Atomic Absorption Spectrometry. ACS Applied Materials & Interfaces, 2014, 6, 20144-20153.	4.0	91
10	Room-temperature ferroelectricity in diisopropylammonium bromide. CrystEngComm, 2013, 15, 940-944.	1.3	81
11	Layered Lead Iodide of $[Methylhydrazinium]_2PbI_4$ with a Reduced Band Gap: Thermochromic Luminescence and Switchable Dielectric Properties Triggered by Structural Phase Transitions. Chemistry of Materials, 2019, 31, 8563-8575.	3.2	72
12	Periodic and incommensurately modulated phases in a (2-methylimidazolium)tetraiodobismuthate(III) thermochromic organic-inorganic hybrid. CrystEngComm, 2015, 17, 3286-3296.	1.3	71
13	Graphene Oxide/Carbon Nanotube Membranes for Highly Efficient Removal of Metal Ions from Water. ACS Applied Materials & Interfaces, 2019, 11, 28582-28590.	4.0	69
14	Temperature-dependent XRD, IR, magnetic, SEM and TEM studies of Jahn-Teller distorted $NiCr_2O_4$ powders. Journal of Solid State Chemistry, 2013, 201, 270-279.	1.4	67
15	Ferroelectricity and Ferroelasticity in Organic Inorganic Hybrid (Pyrrolidinium) $_3[Sb_2Cl_9]$. Chemistry of Materials, 2018, 30, 4597-4608.	3.2	65
16	Diffusion paths formation for Cu^+ ions in superionic Cu_6PS_5I single crystals studied in terms of structural phase transition. Journal of Solid State Chemistry, 2005, 178, 3366-3375.	1.4	57
17	Temperature-dependent studies of $[(CH_3)_2NH]_2[Fe^{III}M^{II}(HCOO)_6]$ frameworks ($M^{II} = Fe$ and Mg): structural, magnetic, dielectric and phonon properties. Dalton Transactions, 2015, 44, 8846-8854.	1.6	56
18	Giant enhancement of upconversion in ultra-small $Er^{3+}/Yb^{3+}:NaYF_4$ nanoparticles via laser annealing. Nanotechnology, 2012, 23, 145705.	1.3	50

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19	Structural, magnetic and dielectric properties of two novel mixed-valence iron(II)–iron(III) metal formate frameworks. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1186-1193.	2.7	49
20	Structure–property relationships in hybrid $(\text{C}_3\text{H}_5\text{N}_2)_3[\text{Sb}_2\text{I}_9]$ and $(\text{C}_3\text{H}_5\text{N}_2)_3[\text{Bi}_2\text{I}_9]$ isomorphs. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1306-1316.	3.0	47
21	Synthesis and characterization of novel niccolites $[(\text{CH}_3)_2\text{NH}_2][\text{Fe}^{\text{III}}\text{M}^{\text{II}}(\text{HCOO})_6]$ ($\text{M}^{\text{II}} = \text{Zn, Ni, Cu}$). <i>Dalton Transactions</i> , 2015, 44, 13234-13241.	1.6	46
22	Suppression of phase transitions and glass phase signatures in mixed cation halide perovskites. <i>Nature Communications</i> , 2020, 11, 5103.	5.8	46
23	Symmetry of LaAlO_3 nanocrystals as a function of crystallite size. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2095-2100.	1.4	43
24	Structural, thermal, dielectric and phonon properties of perovskite-like imidazolium magnesium formate. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13993-14000.	1.3	43
25	Structural, phonon, magnetic and optical properties of novel perovskite-like frameworks of $\text{TriBuMe}[\text{M}(\text{dca})_3]$ (TriBuMe = tributylmethylammonium; dca = dicyanamide; $\text{M} = \text{Tl, ETQq1}$). <i>Journal of Materials Chemistry C</i> , 2019, 7, 3003-3014.	1.6	39
26	Lead-free hybrid ferroelectric material based on formamidine: $[\text{NH}_2\text{CHNH}_2]_3\text{Bi}_2\text{I}_9$. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3003-3014.	2.7	39
27	Synthesis, crystal structure and phase transitions of a series of imidazolium iodides. <i>CrystEngComm</i> , 2013, 15, 5633.	1.3	38
28	Synthesis, crystal structure, magnetic and vibrational properties of formamidine-templated Co and Fe formates. <i>Polyhedron</i> , 2015, 85, 137-143.	1.0	38
29	Phase transitions and chromium(III) luminescence in perovskite-type $[\text{C}_2\text{H}_5\text{NH}_3][\text{Na}_{0.5}\text{Cr}_x\text{Al}_{0.5-x}(\text{HCOO})_3]$ ($x = 0, 0.025, 0.5$), correlated with structural, dielectric and phonon properties. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29629-29640.	1.3	38
30	Dielectric relaxation behavior in antiferroelectric metal organic framework $[(\text{CH}_3)_2\text{NH}_2][\text{Fe}^{\text{III}}\text{Fe}^{\text{II}}(\text{HCOO})_6]$ single crystals. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8462-8467.	1.3	37
31	Determination and speciation of ultratrace arsenic and chromium species using aluminium oxide supported on graphene oxide. <i>Talanta</i> , 2018, 185, 264-274.	2.9	37
32	Temperature- and pressure-induced phase transitions in the niccolite-type formate framework of $[\text{H}_3\text{N}(\text{CH}_3)_4\text{NH}_3][\text{Mn}_2(\text{HCOO})_6]$. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3185-3194.	2.7	36
33	Ferroelectricity in bis(ethylammonium) pentachlorobismuthate(III): synthesis, structure, polar and spectroscopic properties. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1281-1286.	3.0	36
34	Thiosemicarbazide-grafted graphene oxide as superior adsorbent for highly efficient and selective removal of mercury ions from water. <i>Separation and Purification Technology</i> , 2021, 254, 117606.	3.9	35
35	Unprecedented solid-state chemical reaction “from . From centrosymmetric to non-centrosymmetric crystal structure. <i>Journal of Solid State Chemistry</i> , 2010, 183, 3058-3066.	1.4	34
36	On the origin of ferroelectric structural phases in perovskite-like metal–organic formate. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9420-9429.	2.7	34

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37	Three-Dimensional Methylhydrazinium Lead Halide Perovskites: Structural Changes and Effects on Dielectric, Linear, and Nonlinear Optical Properties Entailed by the Halide Tuning. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1600-1610.	1.5	34
38	Temperature-dependent IR and Raman studies of metal-organic frameworks [(CH ₃) ₂ NH ₂][M(HCOO) ₃], M=Mg and Cd. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 159, 35-41.	2.0	33
39	Ceria nanoparticles deposited on graphene nanosheets for adsorption of copper(II) and lead(II) ions and of anionic species of arsenic and selenium. <i>Mikrochimica Acta</i> , 2018, 185, 264.	2.5	33
40	Pyrrrolidinium-Based Cyanides: Unusual Architecture and Dielectric Switchability Triggered by Order-Disorder Process. <i>Inorganic Chemistry</i> , 2020, 59, 8855-8863.	1.9	33
41	Temperature- and pressure-dependent studies of a highly flexible and compressible perovskite-like cadmium dicyanamide framework templated with protonated tetrapropylamine. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2408-2420.	2.7	32
42	Metal-organic framework in an L-arginine copper(II) ion polymer: structure, properties, theoretical studies and microbiological activity. <i>RSC Advances</i> , 2015, 5, 36295-36306.	1.7	31
43	The effect of K ⁺ cations on the phase transitions, and structural, dielectric and luminescence properties of [cat][K _{0.5} Cr _{0.5} (HCOO) ₃], where cat is protonated dimethylamine or ethylamine. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12156-12166.	1.3	31
44	Phase transition in the extreme: a cubic-to-triclinic symmetry change in dielectrically switchable cyanide perovskites. <i>Dalton Transactions</i> , 2019, 48, 15830-15840.	1.6	31
45	Structural, magnetic and phonon properties of Cr(III)-doped perovskite metal formate framework [(CH ₃) ₂ NH ₂][Mn(HCOO) ₃]. <i>Journal of Solid State Chemistry</i> , 2016, 237, 150-158.	1.4	30
46	Spectroscopic properties of Nd ³⁺ ions in nano-perovskite CaTiO ₃ . <i>Journal of Solid State Chemistry</i> , 2011, 184, 2713-2718.	1.4	29
47	Crystal structure and vibrational properties of new luminescent hosts K ₃ YF ₆ and K ₃ GdF ₆ . <i>Journal of Solid State Chemistry</i> , 2006, 179, 3145-3150.	1.4	28
48	Anomalous dielectric behaviour in centrosymmetric organic-inorganic hybrid chlorobismuthate(III) containing functional N,N-dimethylethylammonium ligand. Crystal structure and properties. <i>Materials Research Bulletin</i> , 2013, 48, 151-157.	2.7	28
49	Synthesis, crystal structure and physical properties of EuTGe ₃ (T = Co, Ni, Rh, Pd, Ir, Pt) single crystals. <i>Journal of Alloys and Compounds</i> , 2015, 622, 432-439.	2.8	28
50	Exploring a hybrid ferroelectric with a 1-D perovskite-like structure: bis(pyrrrolidinium) pentachloroantimonate(III). <i>Journal of Materials Chemistry C</i> , 2019, 7, 10360-10370.	2.7	28
51	Heavy-Fermion Behavior and Electrochemistry of Li _{1.27} Mn _{1.73} O ₄ . <i>Chemistry of Materials</i> , 2009, 21, 2525-2533.	3.2	26
52	L-Tyrosinatonickel(II) Complex: Synthesis and Structural, Spectroscopic, Magnetic, and Biological Properties of 2{[Ni(L-Tyr) ₂ (bpy)]}·3H ₂ O·3CH ₃ OH. <i>Inorganic Chemistry</i> , 2013, 52, 4360-4371.	1.9	26
53	Temperature-dependent studies of a new two-dimensional cadmium dicyanamide framework exhibiting an unusual temperature-induced irreversible phase transition into a three-dimensional perovskite-like framework. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29951-29958.	1.3	26
54	Weak Crystal Field in Yttrium Gallium Garnet (YGG) Submicrocrystals Doped with Cr ³⁺ . <i>Crystal Growth and Design</i> , 2012, 12, 4752-4757.	1.4	25

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55	Graphene Oxide Decorated with Cerium(IV) Oxide in Determination of Ultratrace Metal Ions and Speciation of Selenium. <i>Analytical Chemistry</i> , 2018, 90, 4150-4159.	3.2	25
56	A green analytical method for ultratrace determination of hexavalent chromium ions based on micro-solid phase extraction using amino-silanized cellulose membranes. <i>Microchemical Journal</i> , 2019, 149, 104060.	2.3	25
57	Structural phase transitions in tetra(isopropylammonium) decachlorotricadmiate(II), [(CH ₃) ₂ CHNH ₃] ₄ Cd ₃ Cl ₁₀ , crystal with a two-dimensional cadmium(II) halide network. <i>Acta Crystallographica Section B: Structural Science</i> , 2011, 67, 122-129.	1.8	21
58	Novel hypophosphite hybrid perovskites of [CH ₃ NH ₂ NH ₂][Mn(H ₂ POO) ₃] and [CH ₃ NH ₂ NH ₂][Mn(H ₂ POO) _{2.83} (HCOO) _{0.17}] exhibiting antiferromagnetic order and red photoluminescence. <i>RSC Advances</i> , 2020, 10, 19020-19026.	1.7	21
59	[NH ₂ CHNH ₂] ₃ Sb ₂ I ₉ : a lead-free and low-toxicity organic-inorganic hybrid ferroelectric based on antimony(III) as a potential semiconducting absorber. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1780-1789.	3.0	21
60	Nano islet formation of formyl- and carboxyferrocene, -ruthenocene, -osmocene and cobaltocenium on amine-functionalized silicon wafers highlighted by crystallographic, AFM and XPS studies. <i>Journal of Organometallic Chemistry</i> , 2013, 745-746, 393-403.	0.8	20
61	The lone-pair-electron-driven phase transition and order-disorder processes in thermochromic (2-Mlm)Sb ₄ organic-inorganic hybrid. <i>Dalton Transactions</i> , 2017, 46, 16605-16614.	1.6	20
62	Highly selective determination of ultratrace inorganic arsenic species using novel functionalized miniaturized membranes. <i>Analytica Chimica Acta</i> , 2018, 1008, 57-65.	2.6	20
63	Order-disorder phenomena in layered CuCrSe ₂ crystals. <i>Materials Chemistry and Physics</i> , 2014, 146, 283-288.	2.0	19
64	Dielectric relaxation and anhydrous proton conduction in [C ₂ H ₅ NH ₃][Na _{0.5} Fe _{0.5} (HCOO) ₃] metal-organic frameworks. <i>Dalton Transactions</i> , 2017, 46, 3681-3687.	1.6	19
65	Heterometallic perovskite-type metal-organic framework with an ammonium cation: structure, phonons, and optical response of [NH ₄ Na _{0.5} CrxAl _{0.5} ^x (HCOO) ₃ (x = 0, 0.025 and 0.5). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22284-22295.	1.3	19
66	Structural aspects of fast copper mobility in Cu ₆ PS ₅ Cl ₄ —The best solid electrolyte from series. <i>Journal of Solid State Chemistry</i> , 2008, 181, 777-782.	1.4	18
67	Growth and characterization of acentric BaHf(BO ₃) ₂ and BaZr(BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 2015, 225, 330-334.	1.4	18
68	Polar and antiferroelectric behaviour of a hybrid crystal — piperazinium perchlorate. <i>CrystEngComm</i> , 2015, 17, 3171-3180.	1.3	18
69	Phase sequence in diisopropylammonium iodide: avoided ferroelectricity by the appearance of a reconstructed phase. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 553-558.	3.0	18
70	Graphene oxide decorated with fullerene nanoparticles for highly efficient removal of Pb(II) ions and ultrasensitive detection by total-reflection X-ray fluorescence spectrometry. <i>Separation and Purification Technology</i> , 2021, 277, 119450.	3.9	17
71	Cadmium and manganese hypophosphite perovskites templated by formamidinium cations: dielectric, optical and magnetic properties. <i>Dalton Transactions</i> , 2021, 50, 2639-2647.	1.6	17
72	(C ₃ N ₂ H ₅) ₃ Sb ₂ I ₉ and (C ₃ N ₂ H ₅) ₃ Bi ₂ I ₉ : ferroelastic lead-free hybrid perovskite-like materials as potential semiconducting absorbers. <i>Dalton Transactions</i> , 2022, 51, 1850-1860.	1.6	17

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73	Crystal structure and characterization of a novel acentric imidazolium analog $[(CH_3)_3NH][C_3N_2]$ Chemical Physics Letters, 2011, 503, 134-138.	1.2	16
74	Improved properties of micronized genetically modified flax fibers. Journal of Biotechnology, 2013, 164, 292-299.	1.9	16
75	Brillouin scattering, DSC, dielectric and X-ray diffraction studies of phase transitions in antiferroelectric PbHfO ₃ :Sn. Journal of Alloys and Compounds, 2015, 622, 935-941.	2.8	16
76	Synthesis, structure and optical properties of two novel luminescent polar dysprosium metal-organic frameworks: $[(CH_3)_3NH]_2[Dy(HCOO)_4]$ and $[N_2H_5][Dy(HCOO)_4]$. Journal of Materials Chemistry C, 2016, 4, 1019-1028.	2.7	16
77	Alumina/nano-graphite composite as a new nanosorbent for the selective adsorption, preconcentration, and determination of chromium in water samples by EDXRF. Analytical and Bioanalytical Chemistry, 2018, 410, 7793-7802.	1.9	16
78	A paraelectric-ferroelectric phase transition of an organically templated zinc oxalate coordination polymer. Dalton Transactions, 2018, 47, 11308-11312.	1.6	15
79	From six- to five-coordinated Sb ^{III} in $[(CH_3)_3PH]_3[Sb_2Cl_9]$: transition pathways from single-crystal X-ray diffraction. Acta Crystallographica Section B: Structural Science, 2008, 64, 558-566.	1.8	14
80	Two-dimensional metal dicyanamide frameworks of BeTriMe[M(dca) ₃ (H ₂ O)] (BeTriMe =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472 Td (magnetic orders and nonlinear optical threshold temperature sensing. Journal of Materials Chemistry C, 2020, 8, 11735-11747.	2.7	14
81	Cellulose mini-membranes modified with TiO ₂ for separation, determination, and speciation of arsenates and selenites. Mikrochimica Acta, 2020, 187, 430.	2.5	14
82	Nano-bismuth sulfide based dispersive micro-solid phase extraction combined with energy dispersive X-ray fluorescence spectrometry for determination of mercury ions in waters. Journal of Analytical Atomic Spectrometry, 2021, 36, 786-795.	1.6	14
83	Specific heat and magnetic susceptibility of single-crystalline ZnCr ₂ Se ₄ spinels doped with Ga, In and Ce. Materials Chemistry and Physics, 2011, 131, 142-150.	2.0	13
84	Structural, spectroscopic and magnetic properties of a novel copper(ii)-tyrosinato complex. RSC Advances, 2014, 4, 63150-63161.	1.7	13
85	Crystal structure, thermal, dielectric and vibrational properties of a novel polar crystal: 4-Aminopyridinium-hydrogen maleate-maleic acid, [4-NH ₂ C ₅ H ₄ NH][C ₄ H ₃ O ₄][C ₄ H ₄ O ₄]. Journal of Molecular Structure, 2011, 1002, 28-36.	1.8	12
86	Synthesis, structure and properties of [Zn(l-Tyr) ₂ (bpy)] ₂ ·3H ₂ O·CH ₃ OH complex: Theoretical, spectroscopic and microbiological studies. Journal of Inorganic Biochemistry, 2012, 117, 93-102.	1.5	12
87	Impact of the Copper-Induced Local Framework Deformation on the Mechanism of Structural Phase Transition in [(CH ₃) ₃ NH] ₂ [Zn(HCOO) ₃] Hybrid Metal-Formate Perovskite. Journal of Physical Chemistry C, 2019, 123, 23594-23603.	1.5	12
88	Ferroelectricity in a lead free organic-inorganic OD hybrid: formamidinium bromoantimonate. Journal of Materials Chemistry C, 2020, 8, 5025-5028.	2.7	11
89	Vibrational spectra and structure of methyl-derivatives of imidazo[4,5-c]pyridine based on DFT quantum chemical calculations and XRD studies. Vibrational Spectroscopy, 2011, 57, 229-241.	1.2	9
90	Phase equilibria in the Dy-Fe-In system and crystal structure of Dy ₆ Fe _{1.72} In. Intermetallics, 2013, 37, 22-26.	1.8	9

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91	Spectroscopic characterization of genetically modified flax fibers. <i>Journal of Molecular Structure</i> , 2014, 1074, 321-329.	1.8	9
92	Determination of ultra-trace gold in cosmetics using aluminum-magnesium layered double hydroxide/graphene oxide nanocomposite. <i>Talanta</i> , 2022, 245, 123460.	2.9	9
93	Hydroxyalkyl-substituted double-decker silsesquioxanes: effective separation of <i>cis</i> and <i>trans</i> isomers. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3999-4008.	3.0	9
94	Strong piezoelectricity in [H ⁺ -(2-pyridyl)-Ala-OH][BF ₄ ⁻] and [H ⁺ -(2-pyridyl)-Ala-OH][ClO ₄ ⁻] new amino acid based hybrid crystals. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7622-7631.	2.7	8
95	The order-disorder state of diaminoalkanes in Cu-based metal-organic materials. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1536-1547.	0.8	8
96	Synthesis, magnetic and vibrational properties of two novel mixed-valence iron(II)-iron(III) formate frameworks. <i>Journal of Solid State Chemistry</i> , 2018, 258, 163-169.	1.4	8
97	Polymorphism in LiN(CF ₃ SO ₂) ₂ . <i>Solid State Ionics</i> , 2019, 330, 9-16.	1.3	8
98	1D metal-oxalates H ₂ DABCO[M(C ₂ O ₄) ₂ ·3H ₂ O (M(ii): Co, Mg, Zn): phase transitions and magnetic, dielectric, and phonon properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6254-6263.	2.7	8
99	Methylhydrazinium lead iodide – one dimensional chain phase with excitonic absorption and large energy band gap. <i>Journal of Molecular Structure</i> , 2022, 1249, 131660.	1.8	8
100	Structural phase transitions and conduction properties of superionic, ferroelastic Cu ₆ PS ₅ Br _{1-x} single crystals (x = 1, 0.75, 0.5, 0.25). <i>Journal of Physics Condensed Matter</i> , 2006, 18, 4489-4502.	0.7	7
101	The phase transitions in CsFe(MoO ₄) ₂ triangular lattice antiferromagnet, neutron diffraction and high pressure studies. <i>Journal of Alloys and Compounds</i> , 2014, 607, 104-109.	2.8	7
102	Vibrational and magnetic properties of [C ₂ H ₅ NH ₃][Fe ^{III} M ^{II} (HCOO) ₆] (M = Mn, Ni) and [C ₂ H ₅ NH ₃][Cr ^{III} Mn ^{II} (HCOO) ₆] framework compounds. <i>Vibrational Spectroscopy</i> , 2017, 90, 74-80.	1.2	7
103	Semiconducting-metallic transition of singlecrystalline ferromagnetic Hf-doped CuCr ₂ Se ₄ spinels. <i>Physica B: Condensed Matter</i> , 2017, 520, 116-122.	1.3	7
104	Synthesis and characterization of two novel chiral-type formate frameworks templated by protonated diethylamine and ammonium cations. <i>Journal of Solid State Chemistry</i> , 2017, 245, 23-29.	1.4	7
105	Relaxing under pressure with a rigid niccolite formate framework. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16736-16741.	2.7	7
106	Toward the Undiscovered Dielectric Properties of Hybrid Acetamidinium Manganese Formate under High Pressure. <i>Journal of Physical Chemistry C</i> , 2021, 125, 908-914.	1.5	7
107	The cation-dependent structural, magnetic and optical properties of a family of hypophosphite hybrid perovskites. <i>Dalton Transactions</i> , 2021, 51, 352-360.	1.6	7
108	Single-crystal structure of vanadium-doped La ₂ Mo ₂ O ₉ . <i>Crystallography Reports</i> , 2013, 58, 829-834.	0.1	6

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109	Piezoelectricity and crystal structure of H- $\text{C}_{11}\text{H}_{11}\text{N}_2\text{O}_2$ (2-Pyridyl)-Ala-OH amino acid microcrystals. <i>Journal of Molecular Structure</i> , 2014, 1075, 213-219.	1.8	6
110	Phase transitions in ferroelectric 4-aminopyridinium tetrachloroantimonate(III) revisited. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 217-225.	0.5	6
111	Spectroscopic investigations of Gd ₃ Sc ₂ Ga ₃ O ₁₂ garnet doped with Cr ³⁺ and Nd ³⁺ ions. <i>Journal of Rare Earths</i> , 2009, 27, 560-563.	2.5	5
112	Organic-inorganic compounds with strong nonlinear optical properties based on 2,4,6-trimethylpyridinium and tetrahedral BF ₄ ⁻ . <i>Journal of Molecular Structure</i> , 2017, 1133, 9-17.	1.1	5
113	Simulation of Structural Phase Transitions in Perovskite Methylhydrazinium Metal Formate Frameworks: Coupled Ising and Potts Models. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19912-19919.	1.5	5
114	Highly selective and sensitive determination of mercury ions by total-reflection X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1533-1543.	1.6	5
115	More complex than originally thought: revisiting the origins of the relaxation processes in dimethylammonium zinc formate. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6866-6877.	2.7	5
116	Spin-driven critical fields in a spinel series based on the matrix ZnCr ₂ Se ₄ . <i>Journal of Physics: Conference Series</i> , 2011, 303, 012077.	0.3	4
117	Structural and Vibrational Properties of Imidazo[4,5-c]pyridine, a Structural Unit in Natural Products. <i>Journal of Natural Products</i> , 2013, 76, 1637-1646.	1.5	4
118	The IR temperature studies of phase transition of 4-aminopyridinium-hydrogen maleate-maleic acid: Isotopic effect and nonlinear optical properties. <i>Vibrational Spectroscopy</i> , 2013, 66, 93-103.	1.2	4
119	Crystal and molecular structures, IR and Raman spectra, vibrational dynamics of aquo 7-methyl-1H-[1,2,3]triazolo[4,5-c]pyridinium nitrate – a new composite material. <i>Journal of Molecular Structure</i> , 2017, 1133, 9-17.	1.8	4
120	Hexacopper(I) phosphorus(V) bromide penta(selenide/sulfide), Cu ₆ P(Se _{0.7} S _{0.3}) ₅ Br. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, i33-i34.	0.4	3
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