

Adam Andrzej Pietraszko

List of Publications by Year in descending order

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103
papers

1,645
citations

304743

22
h-index

377865

34
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106
all docs

106
docs citations

106
times ranked

1837
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure, Phonon Properties, and Order-Disorder Transition in the Metal Formate Framework of $[\text{NH}_4][\text{Mg}(\text{HCOO})_3]$. <i>Inorganic Chemistry</i> , 2014, 53, 787-794.	4.0	120
2	Interpretation of the diffuse scattering in Pb-based relaxor ferroelectrics in terms of three-dimensional nanodomains of the γ -directed relative interdomain atomic shifts. <i>Physical Review B</i> , 2007, 76, .	3.2	85
3	Synthesis and order-disorder transition in a novel metal formate framework of $[(\text{CH}_3)_2\text{NH}]\text{Na}_{0.5}\text{Fe}_{0.5}(\text{HCOO})_3$. <i>Dalton Transactions</i> , 2014, 43, 17075-17084.	3.3	75
4	Synthesis and characterization of $[(\text{CH}_3)_2\text{NH}]\text{Na}_{0.5}\text{Cr}_{0.5}(\text{HCOO})_3$; a rare example of luminescent metal-organic frameworks based on Cr(III) ions. <i>Dalton Transactions</i> , 2015, 44, 6871-6879.	3.3	66
5	Structures and vibrational spectra of indole carboxylic acids. Part I. Indole-2-carboxylic acid. <i>Journal of Molecular Structure</i> , 2004, 688, 79-86.	3.6	56
6	Vibrational spectra and reinvestigation of the crystal structure of a polymeric copper(II)-orotate complex, $[\text{Cu}(\frac{1}{4}\text{-HOr})(\text{H}_2\text{O})_2]_n$: The performance of new DFT methods, M06 and M05-2X, in theoretical studies. <i>Vibrational Spectroscopy</i> , 2011, 55, 207-215.	2.2	55
7	Dielectric and magnetic response of $\text{SrFe}_{12}\text{O}_{19}/\text{CoFe}_2\text{O}_4$ composites obtained by solid state reaction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 207, 47-55.	3.5	54
8	Spectroscopic and structural studies of chromate ions in zinc complexes with 2,2'-bipyridine. Analysis of the lowest triplet states in the CrO_4^{2-} entity. <i>Polyhedron</i> , 2001, 20, 2063-2072.	2.2	38
9	Dynamic Behavior of the Jahn-Teller Distorted $\text{Cu}(\text{H}_2\text{O})_6^{2+}$ Ion in Cu_2 +Doped $\text{Cs}_2[\text{Zn}(\text{H}_2\text{O})_6](\text{ZrF}_6)_2$ and the Crystal Structure of the Host Lattice. <i>Inorganic Chemistry</i> , 2002, 41, 229-238.	4.0	38
10	Anomalous thermal expansion of an organic crystal-implications for elucidating the mechanism of an enantiotropic phase transformation. <i>Chemical Communications</i> , 2011, 47, 6009.	4.1	35
11	Copper(II)-interaction in $\text{cis}[\text{Cu}(\text{orotato})(\text{NH}_3)_2]$ and the crystal structure of $[\text{Cu}(\text{orotato})(\text{H}_2\text{O})_4]\cdot\text{H}_2\text{O}$: X-ray, vibrational spectroscopy and density functional study. <i>Polyhedron</i> , 2007, 26, 4303-4313.	2.2	33
12	Crystal structures of the $\text{La}_3\text{AgSnSe}_7$ and $\text{R}_3\text{Ag}_1\text{Sn}_7$ ($\text{R}=\text{La, Ce; } \hat{r}=0.18\sim 0.19$) compounds. <i>Journal of Solid State Chemistry</i> , 2007, 180, 2053-2060.	2.9	30
13	Structure, hydrogen bond network and proton conductivity of new benzimidazole compounds with dicarboxylic acids. <i>CrystEngComm</i> , 2013, 15, 1950.	2.6	30
14	Physical and Structural Characterization of Imidazolium-Based Organic-Inorganic Hybrid: $(\text{C}_3\text{N}_2\text{H}_5)_2[\text{CoCl}_4]$. <i>Journal of Physical Chemistry A</i> , 2016, 120, 2014-2021.	2.5	29
15	Investigation of structure-properties relationship in a novel family of halogenoantimonates(III) and halogenobismuthates(III) with morpholinium cation: $[\text{NH}_2(\text{C}_2\text{H}_4)_2\text{O}]\text{MX}_4$. <i>Dalton Transactions</i> , 2013, 42, 15069.	3.3	28
16	Structures and vibrational spectra of indolecarboxylic acids. Part II. 5-Methoxyindole-2-carboxylic acid. <i>Journal of Molecular Structure</i> , 2004, 688, 87-94.	3.6	27
17	The crystal structures of R_3CuGeS_7 ($\text{R}=\text{Ce, Nd, Sm, Gd, Dy and Er}$). <i>Journal of Alloys and Compounds</i> , 2006, 425, 159-163.	5.5	26
18	The crystal structure, infrared, Raman and density functional studies of bis(2-aminophenyl) diselenide. <i>Polyhedron</i> , 2011, 30, 2466-2472.	2.2	26

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37	From six- to five-coordinated Sb ^{III} in [(CH ₃) ₃ PH] ₃ [Sb ₂ Cl ₉]: transition pathways from single-crystal X-ray diffraction. <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 558-566.	1.8	14
38	Crystal structure of the R ₇ Cu ₃ Te ₁₂ (R=Tb, Dy, Ho, Er and Tm) compounds. <i>Journal of Alloys and Compounds</i> , 2005, 403, 223-227.	5.5	13
39	Investigation of the Y ₂ Te ₃ –Cu ₂ Te–PbTe system at 870K and crystal structures of the Y ₇ Cu ₃ Te ₁₂ and YCu _{0.264} Te ₂ compounds. <i>Journal of Alloys and Compounds</i> , 2006, 420, 58-62.	5.5	13
40	Crystal structure of the RAgTe ₂ (R=Y, Tb, Dy, Ho and Er) compounds. <i>Journal of Alloys and Compounds</i> , 2006, 424, 159-163.	5.5	13
41	The crystal structure and evidence of the phase transition in d-amphetamine sulfate, as studied by X-ray crystallography, DSC and NMR spectroscopy. <i>New Journal of Chemistry</i> , 2009, 33, 1894.	2.8	13
42	Structure and molecular dynamics of bis-1H-1,2,4-triazole succinic acid complex crystals. <i>CrystEngComm</i> , 2011, 13, 3698.	2.6	13
43	A novel complex of orotic acid (vitamin B13) with nickel, [Ni(HOr)(NH ₃) ₂ (H ₂ O) ₂]: Crystal structure, vibrational spectra and density functional study. <i>Vibrational Spectroscopy</i> , 2010, 52, 1-9.	2.2	12
44	Growth and characterization of nonlinear optical telluromolybdate CoTeMoO ₆ single crystals. <i>Journal of Solid State Chemistry</i> , 2014, 220, 142-148.	2.9	11
45	Magnetic properties of Sr _{0.95} Nd _{0.05} Fe _{12-x} Sc _x O ₁₉ hexaferrite nanocrystals: (T, H, x) phase diagram. <i>Ceramics International</i> , 2019, 45, 1189-1195.	4.8	11
46	Coordination geometry of chromium(VI) species. The first example of cis-bridging chromate ions in helically structured catena(1/4-CrO ₄ -O, O ²⁻)[Ni(HIm) ₃ H ₂ O]. <i>Journal of Molecular Structure</i> , 2005, 754, 124-132.	3.6	10
47	Crystal growth, structure and electrical properties of thorium phosphorosulfide. <i>Solid State Communications</i> , 2005, 133, 295-300.	1.9	10
48	Investigation of the R ₂ S ₃ –Cu ₂ S–PbS (R=Y, Dy, Ho and Er) systems. <i>Journal of Alloys and Compounds</i> , 2007, 431, 77-84.	5.5	10
49	The structural dynamics in the proton-conducting imidazolium oxalate. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 505101.	1.8	10
50	Effect of thermal treatment on magnetic and dielectric response of SrM hexaferrites obtained by hydrothermal synthesis. <i>Phase Transitions</i> , 2014, 87, 938-952.	1.3	10
51	Infrared spectra and other properties predictions of 5-amino-3-methyl-4-isoxazolecarbohydrazide with electric field simulation using CPC model. <i>Journal of Molecular Structure</i> , 2018, 1161, 320-338.	3.6	10
52	Crystal structure of the R ₆ Pb ₂ Se ₁₁ (R=Y, Dy and Ho) compounds. <i>Journal of Alloys and Compounds</i> , 2005, 403, 206-210.	5.5	9
53	Crystal structure of the TmAgTe ₂ compound. <i>Journal of Alloys and Compounds</i> , 2007, 431, L1-L3.	5.5	9
54	Superionic phase transition in Rb ₃ D(SeO ₄) ₂ single crystals. <i>Journal of Power Sources</i> , 2007, 173, 781-787.	7.8	9

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55	Crystal structure of the R ₂ PbS ₄ (R=Yb and Lu) compounds. Journal of Alloys and Compounds, 2008, 453, 143-146.	5.5	9
56	Dielectric and magnetic properties of (Bi _{1-x} La _x FeO ₃) _{0.5} (PbTiO ₃) _{0.5} ceramics prepared by high energy mechanochemical technique. Journal of Electroceramics, 2015, 35, 33-44.	2.0	9
57	Crystal structure of new organically templated copper sulfate with 2-aminopyridinium. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, m191-m192.	0.5	9
58	Structural and vibrational study of a novel nonlinear optical material: 3-nitrobenzoic acid hydrazide. Journal of Molecular Structure, 2001, 596, 17-23.	3.6	8
59	Crystal structure of the R ₅ CuPb ₃ Se ₁₁ (R=Er, Tm and Yb) compounds. Journal of Alloys and Compounds, 2006, 413, 90-95.	5.5	8
60	Crystal structure and magnetic properties of YbCuPbSe ₃ . Journal of Alloys and Compounds, 2006, 413, 26-28.	5.5	8
61	Crystal structure of the TbTe _{1.8} compound. Journal of Alloys and Compounds, 2007, 427, 166-170.	5.5	8
62	Structural origin of the x-ray diffuse scattering in LiNH_4SO_4 related compounds. Physical Review B, 2008, 78, .	3.2	8
63	Geometric distortions of octahedral cations and tetrahedral anions in disordered [Cu(bpy) ₃]CrO ₄ ·7.5H ₂ O crystal – A comparative study. Polyhedron, 2010, 29, 2574-2581.	2.2	8
64	Polymorphism and Polytypism of LiNH_4SO_4 Crystals. Monte Carlo Modeling Based on X-ray Diffuse Scattering. Crystal Growth and Design, 2014, 14, 5784-5793.	3.0	8
65	Synthesis, structure and characterization of five new organically templated metal sulfates with 2-aminopyridinium. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 432-441.	0.5	8
66	Impedance spectroscopy studies of proton conductivity in imidazolium malonate. Solid State Ionics, 2017, 306, 25-30.	2.7	8
67	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. Journal of Materials Chemistry C, 2020, 8, 6254-6263.	5.5	8
68	Crystal structure and 4.2 K electronic spectrum of [Co(bpy) ₃](CrO ₄) _{0.5} NO ₃ ·7H ₂ O, a double salt containing uncoordinated chromate ion. Journal of Molecular Structure, 2003, 654, 197-204.	3.6	7
69	Investigation of the Ho ₂ Se ₃ –Cu ₂ Se–PbSe and Er ₂ Se ₃ –Cu ₂ Se–PbSe systems at 870K. Journal of Alloys and Compounds, 2006, 416, 173-178.	5.5	7
70	Evidence of a centre of symmetry: redetermination of Ni ₂ .60Te ₂ from single-crystal data. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, i188-i188.	0.2	7
71	Investigation of the R ₂ Te ₃ –M ₂ Te–PbTe (R=Tb, Dy; M=Cu, Ag) systems at 770K. Journal of Alloys and Compounds, 2008, 455, 186-190.	5.5	7
72	BiFeO ₃ single crystal as resistive switching element for application in microelectronic devices. Phase Transitions, 2013, 86, 284-289.	1.3	7

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73	Modal disorder and phase transition in Rb _{0.91} Nb _{0.96} W _{1.04} O _{5.98} . Interpretation of X-ray diffuse scattering using the group theory approach. <i>Journal of Solid State Chemistry</i> , 2015, 230, 325-336.	2.9	7
74	Dipolar glass-like dielectric response of nanocrystalline Sr _{0.95} Nd _{0.05} Fe _{12-x} Sc _x O ₁₉ hexaferrites. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	7
75	Thermal, Dielectric, Elastic and Optical Properties of (NH ₄) ₂ CuCl ₄ ·2H ₂ O Crystal and Related Compounds. <i>Ferroelectrics</i> , 2004, 302, 55-58.	0.6	6
76	Crystal structure of Ho ₆ Pb ₂ Se ₁₁ and magnetic properties of R ₆ Pb ₂ Se ₁₁ (R=Y, Dy and Ho). <i>Journal of Alloys and Compounds</i> , 2006, 421, 87-90.	5.5	6
77	Investigation of the thermal and conductive properties of oxalic acid salts with planar and undulating proton-conducting layers. <i>CrystEngComm</i> , 2020, 22, 2031-2041.	2.6	6
78	Crystal structures of the R ₄ In _{4.72} Se ₁₃ (R=La and Ce) compounds. <i>Journal of Alloys and Compounds</i> , 2007, 429, 216-220.	5.5	5
79	Ce ₃ Mg _{0.5} GeS ₇ from single-crystal data. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, i187-i187.	0.2	5
80	Crystal and electronic structure and magnetic properties of CeRhPb. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1934-1939.	4.0	5
81	The crystal structure of the R ₆ Si ₄ S ₁₇ (R=Pr, Nd and Sm) compounds. <i>Journal of Alloys and Compounds</i> , 2008, 453, 197-202.	5.5	5
82	Organic-inorganic compounds with strong nonlinear optical properties based on 2,4,6-trimethylpyridinium and tetrahedral BF ₄ ⁻ anions. <i>Journal of Applied Physics</i> , 2014, 115, 084102.	3.2	5
83	The crystal structure and the phase transitions of pyridinium trifluoromethanesulfonate. <i>Materials Research Express</i> , 2014, 1, 015705.	1.6	5
84	XRD and Raman spectroscopy studies of (Bi _{1-x} La _x) ₂ FeO ₃ ·0.5(PbTiO ₃) _{0.5} solid solution. <i>Phase Transitions</i> , 2014, 87, 909-921.	0.5	5
85	(GaMg)N new semiconductor grown at high pressure of nitrogen. <i>Journal of Crystal Growth</i> , 1999, 207, 27-29.	1.5	4
86	Cis-coordination of the chromate anions in helical Co/Ni block-type polymeric systems. Structural and spectroscopic characteristics of catena(1/4-CrO ₄ -O, O ²⁻)[Co(HIm) ₃ H ₂ O] and catena(1/4-CrO ₄ -O, O ²⁻)[Co _{0.43} Ni _{0.57} (HIm) ₃ H ₂ O]. <i>Structural Chemistry</i> , 2006, 17, 599-608.	2.0	4
87	Crystal structure of the R ₂ PbSe ₄ (R=Er and Yb) compounds. <i>Journal of Alloys and Compounds</i> , 2007, 429, 111-115.	5.5	4
88	La ₂ Si ₅ . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, i197-i197.	0.2	4
89	Dielectric Relaxation in Confined Ferroelectric Polymer. <i>Ferroelectrics</i> , 2011, 417, 124-135.	0.6	4
90	⁴ He channelling studies of U ₄ O ₉ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 249, 497-500.	1.4	3

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91	Crystal structures of the compounds Yb _{5.5} AgSe ₈ , YbAgSe ₂ and Y _x Yb _{1-x} CuYbSe ₃ (x=0.11). Journal of Alloys and Compounds, 2007, 428, 139-145.	5.5	3
92	Effect of Processing Conditions on the Dielectric and Raman Response of Electroactive Polymers. Ferroelectrics, 2010, 405, 138-145.	0.6	3
93	Crystal structure of tris(piperidinium) hydrogen sulfate sulfate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1444-1446.	0.5	3
94	Synthesis and characterization of four organic-inorganic salts: sulfates of 2-aminopyridinium derivatives. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 882-889.	0.5	3
95	Elastic and Dielectric Behavior of Highly Disordered Pb(Sc _{1/2} Ta _{1/2})O ₃ Single Crystal. Ferroelectrics, Letters Section, 2007, 34, 139-148.	1.0	2
96	Dilanthanum copper indium pentaselenide, La ₂ CuInSe ₅ . Acta Crystallographica Section E: Structure Reports Online, 2007, 63, i182-i182.	0.2	2
97	Structure, dielectric and electric properties of diisobutylammonium hydrogen sulfate crystal. Journal of Solid State Chemistry, 2018, 258, 753-761.	2.9	2
98	Temperature variation of the molecular structure of lithium hydrazinium sulphate—a one-dimensional proton conductor. Journal of Molecular Structure, 2004, 688, 5-10.	3.6	1
99	Dielectric response and specific heat studies of Cd ₂ Nb ₂ O ₇ ceramics obtained from mechano-synthesized nanopowders. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1603-1611.	3.0	1
100	The structures and phase transitions in 4-aminopyridinium tetraaquabis(sulfato)iron(III), (C ₅ H ₇ N ₂)[Fe ^{III} (H ₂ O) ₄ (SO ₄) ₂]. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 1144-1151.	1.1	1
101	Local structure of Rb ₂ Li ₄ (SeO ₄) ₃ ·2H ₂ O by the modeling of X-ray diffuse scattering from average-structure to microdomain model. Journal of Solid State Chemistry, 2012, 192, 54-59.	2.9	0
102	Correction to Polymorphism and Polytypism of LiNH ₄ SO ₄ Crystals. Monte Carlo Modeling Based on X-ray Diffuse Scattering. Crystal Growth and Design, 2015, 15, 4713-4713.	3.0	0
103	Crystal structure of an organic-inorganic hybrid compound based on morpholinium cations and a μ^2 -type Anderson polyanion. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1345-1348.	0.5	0