

Vaclav Petricek

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199 papers	6,101 citations	33 h-index	72 g-index
204 ext. papers	6,892 ext. citations	3.6 avg, IF	6.04 L-index

#	Paper	IF	Citations
199	Ultralow thermal conductivity through the interplay of composition and disorder between thick and thin layers of makovickyite structure. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 11207-11215	7.1	1
198	Charge density of 4-methyl-3-[(tetrahydro-2H-pyran-2-yl)oxy]thiazole-2(3H)-thione. A comprehensive multipole refinement, maximum entropy method and density functional theory study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020 , 76, 450-468	1.8	3
197	Realization of the kagome spin ice state in a frustrated intermetallic compound. <i>Science</i> , 2020 , 367, 1218-1223	32.3	11
196	Experimental Evidence of the Coexistence of Proper Magnetic and Structural Incommensurability on the [CHNH][Ni(COOH)] Compound. <i>Inorganic Chemistry</i> , 2020 , 59, 17896-17905	5.1	3
195	Precession electron diffraction tomography on twinned crystals: application to CaTiO ₃ thin films. <i>Journal of Applied Crystallography</i> , 2019 , 52, 626-636	3.8	4
194	Twinning and incommensurate modulation in baumoite, Ba _{0.5} [(UO ₂) ₃ O ₈ Mo ₂ (OH) ₃](H ₂ O)~3, the first natural Ba uranyl molybdate. <i>Mineralogical Magazine</i> , 2019 , 83, 507-514	1.7	0
193	Microscopic Nature of the First-Order Field-Induced Phase Transition in the Strongly Anisotropic Ferrimagnet HoFe ₅ Al ₇ . <i>Physical Review Letters</i> , 2019 , 122, 127205	7.4	2
192	How Accurate Do X-ray Data Need To Be To Obtain a Reliable Order of Stability for Polymorphs? The Case Study of p-Hydroxyacetophenone Polymorphs. <i>Crystal Growth and Design</i> , 2019 , 19, 5132-5141	3.5	4
191	Commensurate to incommensurate magnetic phase transition in honeycomb-lattice pyrovanadate Mn ₂ V ₂ O ₇ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	5
190	Supercell refinement: a cautionary tale. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019 , 75, 852-860	5.5	1
189	Structural, mechanical, spectroscopic and thermodynamic characterization of the copper-uranyl tetrahydroxide mineral vandenbrandeite.. <i>RSC Advances</i> , 2019 , 9, 40708-40726	3.7	7
188	Complex magnetic order in the kagome ferromagnet Pr ₃ Ru ₄ Al ₁₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	10
187	The (3+3) commensurately modulated structure of the uranyl silicate mineral swamboite-(Nd), Nd _{0.333} [(UO ₂)(SiO ₃ OH)](H ₂ O) _{2.41} . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018 , 233, 223-231	1	4
186	Zippeite from Cap Garonne, France: an example of reticular twinning. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018 , 233, 861-865	1	4
185	Adaptive modulation in the Ni ₂ Mn _{1.4} In _{0.6} magnetic shape-memory Heusler alloy. <i>Physical Review B</i> , 2018 , 97,	3.3	12
184	Spontaneous and field-induced magnetic phase transitions in Dy ₂ Co ₃ Al ₉ : Effects of exchange frustration. <i>Physical Review Materials</i> , 2018 , 2,	3.2	3
183	Electronic structure of two isostructural paddle-wheel complexes: a comparative study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018 , 74, 681-692	1.8	9

182	Could incommensurability in sulfosalts be more common than thought? The case of meneghinite, CuPbSbS. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017 , 73, 369-376	1.8	5
181	Intricate disorder in defect fluorite/pyrochlore: a concord of chemistry and crystallography. <i>Scientific Reports</i> , 2017 , 7, 3727	4.9	20
180	New insights into the structure, chemistry, and properties of Cu ₄ SnS ₄ . <i>Journal of Solid State Chemistry</i> , 2017 , 253, 192-201	3.3	20
179	Incommensurately modulated structure of morpholinium tetrafluoroborate and configurational versus chemical entropies at the incommensurate and lock-in phase transitions. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017 , 73, 836-843	1.8	1
178	Nuclear structures: Twinning and modulation in crystals. <i>EPJ Web of Conferences</i> , 2017 , 155, 00003	0.3	
177	A commensurately modulated structure of parabutlerite, FeSO(OH)·2H ₂ O. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017 , 73, 856-862	1.8	5
176	Crystal structure of the (REE)-uranyl carbonate mineral kamotoite-(Y). <i>Mineralogical Magazine</i> , 2017 , 81, 653-660	1.7	5
175	Magnetic anisotropy and reduced neodymium magnetic moments in Nd ₃ Ru ₄ Al ₁₂ . <i>Physical Review B</i> , 2016 , 93,	3.3	16
174	Room-temperature tetragonal non-collinear Heusler antiferromagnet Pt ₂ MnGa. <i>Nature Communications</i> , 2016 , 7, 12671	17.4	23
173	An exceptional series of phase transitions in hydrophobic amino acids with linear side chains. <i>IUCrJ</i> , 2016 , 3, 341-353	4.7	21
172	New insight on bismuth cuprates with incommensurate modulated structures. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016 , 72, 395-403	1.8	3
171	Discontinuous modulation functions and their application for analysis of modulated structures with the computing system JANA2006. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2016 , 231, 301-312	1.2	30
170	Solution and Refinement of Magnetic Structures with Jana2006. <i>Acta Physica Polonica A</i> , 2016 , 130, 848-851	0.5	1
169	Vacancy pairing and superstructure in the high-pressure silicate KMgSiOH: a new potential host for potassium in the deep Earth. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016 , 72, 822-827	1.8	3
168	Easily oxidizable triarylamine materials with naphthalene and binaphthalene core: structure-properties relationship. <i>Tetrahedron</i> , 2016 , 72, 7081-7092	2.4	3
167	Crystallographic computing system Jana2006: solution and refinement of twinned structures. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2016 , 231, 583-599	1	45
166	Structure refinement using precession electron diffraction tomography and dynamical diffraction: theory and implementation. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015 , 71, 235-244	1.7	87
165	The modulated average structure of mullite. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015 , 71, 358-68	1.8	5

164	Structure and stability of BaTiSiD ₄ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015 , 71, 153-63	1.8	3
163	Structure refinement using precession electron diffraction tomography and dynamical diffraction: tests on experimental data. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015 , 71, 740-51	1.8	79
162	Structural evolution of ZTA composites during synthesis and processing. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1273-1283	6	28
161	Polymorph Stability Prediction: On the Importance of Accurate Structures: A Case Study of Pyrazinamide. <i>Crystal Growth and Design</i> , 2014 , 14, 381-388	3.5	16
160	High-resolution synchrotron x-ray powder diffraction study of the incommensurate modulation in the martensite phase of Ni ₂ MnGa: Evidence for nearly 7M modulation and phason broadening. <i>Physical Review B</i> , 2014 , 90,	3.3	33
159	Crystallographic Computing System JANA2006: General features. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014 , 229,	1	2468
158	(3 + 1)-dimensional crystal and antiferromagnetic structures in CeRuSn. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 122201	1.8	10
157	Electronic properties of a distorted kagome lattice antiferromagnet Dy ₃ Ru ₄ Al ₁₂ . <i>Physical Review B</i> , 2014 , 90,	3.3	31
156	Synthesis, crystal structure and spectral characteristics of highly fluorescent chalcone-based coumarin in solution and in polymer matrix. <i>Journal of Physics and Chemistry of Solids</i> , 2014 , 75, 188-193	3.9	34
155	Toward a better understanding of the magnetocaloric effect: An experimental and theoretical study of MnFe ₄ Si ₃ . <i>Journal of Solid State Chemistry</i> , 2014 , 216, 56-64	3.3	11
154	C ₆ H ₄ S ₂ AsCl: description and interpretation of an incommensurately modulated molecular crystal structure. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2013 , 69, 496-508	1.8	6
153	Conspicuous variation of the lattice unit cell in the pavonite homologous series and its relation with cation/anion occupational modulations. <i>Materials Research Bulletin</i> , 2013 , 48, 2166-2174	5.1	5
152	Synthesis, growth and characterization of 4-bromo-4'-nitrobenzylidene aniline (BNBA): a novel nonlinear optical material with a (3+1)-dimensional incommensurately modulated structure. <i>CrystEngComm</i> , 2013 , 15, 2474	3.3	12
151	Use of [SbF ₆] ⁻ to Isolate Cationic Copper and Silver Adducts with More than One Ethylene on the Metal Center. <i>Organometallics</i> , 2013 , 32, 3034-3041	3.8	29
150	A (3 + 3)-dimensional "hypercubic" oxide-ionic conductor: type II Bi ₂ O ₃ -Nb ₂ O ₅ . <i>Journal of the American Chemical Society</i> , 2013 , 135, 6477-84	16.4	28
149	Simulation of modulated protein crystal structure and diffraction data in a supercell and in superspace. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013 , 69, 1062-72		7
148	Refinement of high pressure single-crystal diffraction data using Jana2006. <i>High Pressure Research</i> , 2013 , 33, 196-201	1.6	14
147	Multiple anion... Interactions in tris(1,10-phenanthroline- λ^2 -N,N')iron(II) bis[1,1,3,3-tetracyano-2-(2-hydroxyethyl)propenide] monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013 , 69, 1351-6		22

146	Monophosphate tungsten bronzes with pentagonal tunnels: reinvestigation through the peephole of the superspace. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2013 , 69, 122-36	1.8	2
145	Structure refinement and superspace description of the system $\text{Bi}(2(n+2))\text{Mo}(n)\text{O}(6(n+1))$ ($n = 3, 4, 5$ and 6). <i>Acta Crystallographica Section B: Structural Science</i> , 2012 , 68, 323-40		5
144	Unified $(3+1)$ -dimensional superspace description of the 2212-type stair-like $[\text{Bi}_2\text{Sr}_3\text{Fe}_2\text{O}_9]_m[\text{Bi}_4\text{Sr}_6\text{Fe}_2\text{O}_{16}]$ family of compounds. <i>Acta Crystallographica Section B: Structural Science</i> , 2012 , 68, 341-55		4
143	Structural phase transitions in SrRh_2As_2 . <i>Physical Review B</i> , 2012 , 85,	3.3	15
142	Mullite-derivative $\text{Bi}_2\text{Mn}(x)\text{Al}(7-x)\text{O}_{14}$ ($x \sim 1$): structure determination by powder X-ray diffraction from a multi-phase sample. <i>Dalton Transactions</i> , 2012 , 41, 2884-9	4.3	2
141	Crystal structure and formula revision of deliensite, $\text{Fe}[(\text{UO}_2)_2(\text{SO}_4)_2(\text{OH})_2](\text{H}_2\text{O})_7$. <i>Mineralogical Magazine</i> , 2012 , 76, 2837-2860	1.7	11
140	Study of the antiferromagnetism of Mn_5Si_3 : an inverse magnetocaloric effect material. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15275		29
139	Magnetic superspace groups and symmetry constraints in incommensurate magnetic phases. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 163201	1.8	45
138	Solid-state phase transitions of DL-aminobutyric acid. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 10715-21	3.4	17
137	THE CRYSTAL STRUCTURE OF ROXBYITE, $\text{Cu}_{58}\text{S}_{32}$. <i>Canadian Mineralogist</i> , 2012 , 50, 423-430	0.7	36
136	An incommensurately modulated structure of Cu_{1+x}Si phase of $\text{Cu}_{(3+x)}\text{Si}$ determined by quantitative electron diffraction tomography. <i>Inorganic Chemistry</i> , 2011 , 50, 3743-51	5.1	54
135	Spiral ground state against ferroelectricity in the frustrated magnet $\text{BiMnFe}_2\text{O}_6$. <i>Physical Review B</i> , 2011 , 83,	3.3	11
134	The crystal structure of $\text{Yb}_2(\text{SO}_4)_3 \cdot 3\text{H}_2\text{O}$ and its decomposition product, $\text{Yb}_2(\text{SO}_4)_3$. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2322-2328	3.3	6
133	The crystal structure of franckeite, $\text{Pb}_{21.7}\text{Sn}_{9.3}\text{Fe}_{4.0}\text{Sb}_{8.1}\text{S}_{56.9}$. <i>American Mineralogist</i> , 2011 , 96, 1686-1702	1.9	19
132	Improved Thermoelectric Characteristics of Si-Doped Misfit-Layered Cobaltite. <i>Journal of Electronic Materials</i> , 2011 , 40, 1042-1045	1.9	27
131	Modulated structure of nepheline. <i>Acta Crystallographica Section B: Structural Science</i> , 2011 , 67, 18-29		10
130	Structural evolution of one-dimensional spin-ladder compounds $\text{Sr}_{14-x}\text{Ca}_x\text{Cu}_{24}\text{O}_{41}$ with Ca doping and related evidence of hole redistribution. <i>Physical Review B</i> , 2011 , 84,	3.3	13
129	Symmetry mode analysis of the phase transitions in Rb_2ZnBr_4 . <i>Zeitschrift für Kristallographie</i> , 2011 , 226, 454-466		3

128	Advances in solution of modulated structures reflected by Jana system. <i>Journal of Physics: Conference Series</i> , 2010 , 226, 012014	0.3	6
127	Single magnetic chirality in the magnetoelectric NdFe ₃ (B ₁₀ O ₃) ₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	64
126	Assignment of 4f _{BD} absorption bands in Ce-doped RAlO ₃ (R=La, Gd, Y, Lu) perovskites. <i>Physical Review B</i> , 2009 , 79,	3.3	16
125	The incommensurately modulated crystal structure of beta-Pb ₂ BiVO ₆ : interpretation of the phase transition alpha --> beta --> delta and conduction properties of related materials. <i>Acta Crystallographica Section B: Structural Science</i> , 2009 , 65, 416-25		5
124	[Ru(py) ₄ Cl(NO)](PF ₆) ₂ ·0.5H ₂ O: a model system for structural determination and ab initio calculations of photo-induced linkage NO isomers. <i>Acta Crystallographica Section B: Structural Science</i> , 2009 , 65, 612-23		58
123	[Ru(py) ₄ Cl(NO)](PF ₆) ₂ ·0.5H ₂ O: a model system for structural determination and ab initio calculations of photo-induced linkage NO isomers. Erratum. <i>Acta Crystallographica Section B: Structural Science</i> , 2009 , 65, 787-787		6
122	High-temperature structural phase transition in studied by in-situ X-ray diffraction and transmission electron microscopy. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 1515-1523	3.3	39
121	Effect of Nonmagnetic Substituents Mg and Zn on the Phase Competition in the Multiferroic Antiferromagnet MnWO ₄ . <i>Chemistry of Materials</i> , 2009 , 21, 5203-5214	9.6	40
120	Structure determination of two modulated gamma-brass structures in the Zn-Pd System through a (3 + 1)-dimensional space description. <i>Inorganic Chemistry</i> , 2009 , 48, 9715-22	5.1	17
119	Neutron photocrystallography: simulation and experiment. <i>Zeitschrift für Kristallographie</i> , 2008 , 223,		7
118	Crystal structure of a synthetic tin-selenium representative of the cylindrite structure type. <i>American Mineralogist</i> , 2008 , 93, 1787-1798	2.9	8
117	SIMULTANEOUS REFINEMENT OF TWO COMPONENTS OF AN EXSOLUTION INTERGROWTH: CRYSTAL STRUCTURES OF THE LINDSTROMITE - KRUPKAITE PAIR. <i>Canadian Mineralogist</i> , 2008 , 46, 525-539	0.7	8
116	Reducing the positional modulation of NbO ₆ -octahedra in Sr _x Ba _{1-x} Nb ₂ O ₆ by increasing the barium content: A single crystal neutron diffraction study at ambient temperature for x = 0.61 and x = 0.34. <i>Zeitschrift für Kristallographie - Crystalline Materials</i> , 2008 , 223, 399-426	1	18
115	Modular crystals as modulated structures: the case of the lillianite homologous series. <i>Acta Crystallographica Section B: Structural Science</i> , 2008 , 64, 684-701		18
114	Two-dimensional lanthanide coordination polymers with bis(diphenylphosphino)hexane dioxide. The determination of the polymeric structure from twinned crystals. <i>Polyhedron</i> , 2008 , 27, 283-288	2.7	15
113	GdCo ₂ (1-x)Ga ₃ Ge: charge density wave in a Ga square net. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3082-3	16.4	17
112	Syntheses and study on nickel and copper complexes with 1,3,5-benzenetricarboxylic acid. Crystal and molecular structure of [Cu ₃ (mdpta) ₃ (btc)](ClO ₄) ₃ ·4H ₂ O. <i>Polyhedron</i> , 2007 , 26, 535-542	2.7	20
111	Microstrain-like diffraction-line broadening as exhibited by incommensurate phases in powder diffraction patterns. <i>Journal of Applied Crystallography</i> , 2007 , 40, 1027-1034	3.8	17

110	Refinement strategies for fullerene structures: use of local, non-crystallographical point group symmetry. <i>Zeitschrift für Kristallographie</i> , 2007 , 222, 546-550		2
109	Composite behavior and multidegeneracy in high-pressure phases of Cs and Rb. <i>Physical Review Letters</i> , 2007 , 99, 025502	7.4	6
108	Incommensurate modulations in a hollandite phase $\text{Ba}_x(\text{Al}, \text{Fe})_{2x}\text{Ti}_{8-2x}\text{O}_{16}$ intended for the storage of radioactive wastes: a (3+1) dimension structure determination. <i>Zeitschrift für Kristallographie</i> , 2007 , 222, 383-390		8
107	$\text{Zn}_{1-x}\text{Pd}_x$ ($x=0.14\text{--}0.24$): a missing link between intergrowth compounds and quasicrystal approximants. <i>Philosophical Magazine</i> , 2006 , 86, 419-425	1.6	23
106	Neutron diffraction shows a photoinduced isonitrosyl linkage isomer in the metastable state SI of $\text{Na}_2[\text{Fe}(\text{CN})_5\text{NO}]\cdot 2\text{D}_2\text{O}$. <i>Physical Review B</i> , 2006 , 73,	3.3	26
105	Structural properties of $\text{Sr}_{0.61}\text{Ba}_{0.39}\text{Nb}_2\text{O}_6$ in the temperature range 10–300 K investigated by high-resolution neutron powder diffraction and specific heat measurements. <i>Physical Review B</i> , 2006 , 74,	3.3	19
104	Cubic octanuclear aluminum fluoride phosphonate. <i>Inorganic Chemistry</i> , 2006 , 45, 6562-4	5.1	19
103	INTERPRETATION OF SELECTED STRUCTURES OF THE BISMUTHINITE - AIKINITE SERIES AS COMMENSURATELY MODULATED STRUCTURES. <i>Canadian Mineralogist</i> , 2006 , 44, 189-206	0.7	10
102	Structural features of the modulated $\text{BiCu}_2(\text{P}(1-x)\text{V}(x))\text{O}_6$ solid solution; 4-D treatment of $x=0.87$ compound and magnetic spin-gap to gapless transition in new Cu^{2+} two-leg ladder systems. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10857-67	16.4	38
101	First (3 + 2)-dimensional superspace approach to the structure of levyclaudite-(Sb), a member of the cylindrite-type minerals. <i>Acta Crystallographica Section B: Structural Science</i> , 2006 , 62, 775-89		11
100	Commensurate $(\text{C}_6\text{H}_{14}\text{N}_2)_2[\text{Mo}_8\text{O}_{26}] \cdot 4\text{H}_2\text{O}$ and incommensurate $(\text{C}_6\text{H}_{14}\text{N}_2)_2[\text{Mo}_8\text{O}_{26}] \cdot 4.66\text{H}_2\text{O}$: a structural versatility linked to solvent content. <i>Acta Crystallographica Section B: Structural Science</i> , 2006 , 62, 790-7		5
99	Superspace-symmetry determination and multidimensional refinement of the incommensurately modulated structure of natural fresnoite. <i>Acta Crystallographica Section B: Structural Science</i> , 2006 , 62, 1031-7		17
98	Growth-induced incommensurability observed in the organic co-crystal hexamethylenetetramine resorcinol. <i>Acta Crystallographica Section B: Structural Science</i> , 2006 , 62, 1043-50		2
97	Effect of crystal freezing and small-molecule binding on internal cavity size in a large protein: X-ray and docking studies of lipoxygenase at ambient and low temperature at 2.0 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006 , 62, 766-75		26
96	A novel high-temperature commensurate superstructure in a natural bariopyrochlore: A structural study by means of a multiphase crystal structure refinement. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 729-738	3.3	2
95	Modulated one-dimensional structure of $[\text{Cd}(\text{NH}_3)_3\text{Ni}(\text{CN})_4]$. <i>Acta Crystallographica Section B: Structural Science</i> , 2005 , 61, 280-6		11
94	The role of second coordination-sphere interactions in incommensurately modulated structures, using $\beta\text{-K}_5\text{Yb}(\text{MoO}_4)_4$ as an example. <i>Acta Crystallographica Section B: Structural Science</i> , 2005 , 61, 400-6		4
93	Modeling the author bias between two on-line computer science citation databases 2005 ,		2

92	Structure of the light-induced metastable state SII in Na ₂ [Fe(CN) ₅ NO]·2H ₂ O. <i>Physical Review B</i> , 2005 , 71,	3.3	36
91	A Comparison of On-Line Computer Science Citation Databases. <i>Lecture Notes in Computer Science</i> , 2005 , 438-449	0.9	9
90	Three Years of Developing JANA2000. <i>Ferroelectrics</i> , 2004 , 305, 267-271	0.6	1
89	Crenel Functions and Aperiodic Structure Determinations. <i>Ferroelectrics</i> , 2004 , 305, 43-48	0.6	2
88	Contribution of powder diffraction for structure refinements of aperiodic misfit cobalt oxides. <i>Journal of Applied Crystallography</i> , 2004 , 37, 823-831	3.8	65
87	The anionic 3D-framework [Ga ₂ (PO ₄) ₃] ⁻ as microporous host lattice for various species. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3581-3589	3.3	7
86	Structure analysis and the existence of light-induced long-lived metastable states in Xn[Fe(CN) ₅ NO] with inorganic and organic cations: Xn = Pb, (H ₃ O+CH ₆ N ⁺), (C ₂ N ₂ H ₇) ₂ and (C ₁₆ H ₃₆ N) ₂ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2004 , 219,	1	5
85	Methods of structural analysis and computer program JANA2000. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2004 , 219,	1	30
84	Strontium hexabromodicadmate(II) octahydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, i24-6		0
83	The incommensurate structure of K ₃ InPO ₄ 2. <i>Acta Crystallographica Section B: Structural Science</i> , 2003 , 59, 17-27		7
82	The modulated structure of Ba _{0.39} Sr _{0.61} Nb ₂ O ₆ . I. Harmonic solution. <i>Acta Crystallographica Section B: Structural Science</i> , 2003 , 59, 28-35		60
81	Sodium carbonate revisited. <i>Acta Crystallographica Section B: Structural Science</i> , 2003 , 59, 337-52		52
80	Structure of delta1-CoZn(7.8), an example of a phason pinning-unpinning transformation?. <i>Acta Crystallographica Section B: Structural Science</i> , 2003 , 59, 720-9		19
79	Long-range ordering during delithiation of LiMn ₂ O ₄ cathode material. <i>Journal of Materials Chemistry</i> , 2003 , 13, 585-589		15
78	Refinement of the crystal structure of cronstedtite-2H ₂ . <i>Clays and Clay Minerals</i> , 2002 , 50, 601-613	2.1	15
77	Structural study of the cation ordering in the ternary oxide Ba ₈ Ti ₃ Nb ₄ O ₂₄ . <i>Solid State Sciences</i> , 2002 , 4, 1129-1136	3.4	10
76	Superspace approach applied to a neutron-diffraction study of the holographic data storage material Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ . <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s963-s965	2.6	8
75	Charge density study of hydrogen [(2,4-diaminopyrimidin-1-yl)methyl]phosphonate monohydrate. <i>Acta Crystallographica Section B: Structural Science</i> , 2002 , 58, 519-29		17

74	Commensurate and incommensurate structures of the hexabromotellurate(IV) bis[dibromodiselenate(I)] ion - $[(C_2H_5)_n(C_6H_5)_{4-n}P]_2[TeBr_6(Se_2Br_2)_2]$, $n = 0, 1$. <i>Acta Crystallographica Section B: Structural Science</i> , 2002 , 58, 977-85		6
73	Reinvestigation of the Incommensurate Structure of PbO_{1-x} . <i>Materials Research Society Symposia Proceedings</i> , 2002 , 755, 1		4
72	High-pressure structural and dielectric studies of the phase transitions in lithium thallium tartrate monohydrate. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 4045-4054	1.8	5
71	Location of Fluoride Counterion in As-Synthesized Silicalite-1 by Single Crystal X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 1110-1117	3.4	46
70	Refinement of modulated structures against X-ray powder diffraction data with JANA2000. <i>Journal of Applied Crystallography</i> , 2001 , 34, 398-404	3.8	89
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