Kevin Knight

List of Publications by Year in Descending Order

271 papers	7,736 citations	47 h-index	73 g-index
279 ext. papers	8,408 ext. citations	3.9 avg, IF	6.03 L-index

#	Paper	IF	Citations
271	Comprehensive determination of the high-pressure structural behaviour of BaTiO3. *Materials Advances*, **2021**, 2, 6094-6103	3.3	1
270	Nuclear and magnetic structures of KMnF3 perovskite in the temperature interval 10 K105 K. *Journal of Alloys and Compounds*, **2020**, 842, 155935	5.7	4
269	Low-temperature thermophysical and crystallographic properties of BaZrO3 perovskite. *Journal of Materials Science*, **2020**, 55, 6417-6428	4.3	5
268	Crystal and Electronic Structures of ANaIO Periodate Double Perovskites (A = Sr, Ca, Ba): Candidate Wasteforms for I-129 Immobilization. *Inorganic Chemistry*, **2020**, 59, 18407-18419	5.1	3
267	Two-dimensional spin liquid behaviour in the triangular-honeycomb antiferromagnet TbInO3. *Nature Physics*, **2019**, 15, 262-268	16.2	27
266	High-Pressure Study of the Elpasolite Perovskite LaNiMnO. *Inorganic Chemistry*, **2019**, 58, 9016-9027	5.1	3
265	First-order valence transition: Neutron diffraction, inelastic neutron scattering, and x-ray absorption investigations on the double perovskite Ba2PrRu0.9Ir0.1O6. *Physical Review B*, **2019**, 99,	3.3	3
264	Crystal structures and electronic properties in 3d transition metal doped SrRuO. *Dalton Transactions*, **2019**, 48, 4730-4741	4.3	5
263	Defining an aristotype crystal structure and crystallographic distortions in leucite/pollucite-structured phases with space group (Iaoverline {3} d). *Physics and Chemistry of Minerals*, **2019**, 46, 595-605	1.6	3
262	Parameterization of the crystal structure of garnet in terms of symmetry-adapted basis-vectors of the ideal tetrahedron and octahedron: Application to the pressure-dependence of the crystal structure of Y3Al5O12 between 0 and 126 GPa. *Materials Chemistry and Physics*, **2019**, 227, 72-82	4.4	2
261	The thermal expansion properties of halogen bond containing 1,4 dioxane halogen complexes. *CrystEngComm*, **2019**, 21, 5269-5277	3.3	1
260	Investigation of the changes in hydrogen bonding accompanying the structural reorganization at 103 K in ammonium iodate. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2019**, 75, 152-159	1.8	
259	Structure and physical properties of SeCo Mn O. *Journal of Physics Condensed Matter*, **2019**, 31, 395402	1.8	2
258	Synchrotron X-ray and neutron investigation of the structure and thermal expansion of the monoclinic Al13Cr2 phase. *Journal of Alloys and Compounds*, **2019**, 781, 1198-1208	5.7	4
257	Crystal structures of NiSO4 9H2O and NiSO4 8H2O: magnetic properties, stability with respect to morenosite (NiSO4 7H2O), the solid-solution series (MgxNi1)SO4 9H2O. *Physics and Chemistry of Minerals*, **2018**, 45, 695-712	1.6	3
256	A high-resolution neutron powder diffraction study of the low-temperature structural phase transitions in RbCaF3 perovskite. *Journal of Solid State Chemistry*, **2018**, 263, 172-181	3.3	4
255	The crystal structure of lueshite at 298 K resolved by high-resolution time-of-flight neutron powder diffraction. *Physics and Chemistry of Minerals*, **2018**, 45, 77-83	1.6	4

254	Investigation into the dehydration of selenate doped Na2M(SO4)2·2H2O (M = Mn, Fe, Co and Ni): Stabilisation of the high Na content alluaudite phases Na3M1.5(SO4)3-1.5x(SeO4)1.5x (M = Mn, Co and Ni) through selenate incorporation. *Journal of Solid State Chemistry*, **2018**, 258, 64-71	3.3	17
253	Temperature-induced polymorphism in methyl stearate. *CrystEngComm*, **2018**, 20, 6885-6893	3.3	7
252	Negative 2D thermal expansion in the halogen bonded acetone bromine complex. *CrystEngComm*, **2018**, 20, 3246-3250	3.3	5
251	Thermal expansion of deuterated monoclinic natrojarosite; a combined neutron–synchrotron powder diffraction study. *Journal of Applied Crystallography*, **2017**, 50, 340-348	3.8	
250	S=12 quantum critical spin ladders produced by orbital ordering in Ba2CuTeO6. *Physical Review B*, **2017**, 95,	3.3	8
249	High-resolution neutron-diffraction measurements to 8 kbar. *High Pressure Research*, **2017**, 37, 486-494	1.6	1
248	Structure, thermal expansion and incompressibility of MgSO4·9H2O, its relationship to meridianiite (MgSO4·11H2O) and possible natural occurrences. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2017**, 73, 47-64	1.8	13
247	Cation disorder and phase transitions in the structurally complex solar cell material Cu2ZnSnS4. *Journal of Materials Chemistry A*, **2017**, 5, 16672-16680	13	34
246	Variable stoichiometry in tectosilicates having the leucite/pollucite-type structure with particular emphasis on modelling the interframework cavity cation environment. *Journal of Solid State Chemistry*, **2017**, 251, 90-104	3.3	6
245	Structural organization in the trimethylamine iodine monochloride complex. *CrystEngComm*, **2017**, 19, 5194-5201	3.3	3
244	Low-temperature structure and the ferroelectric phase transitions in the CdTiO3 perovskite. *Physical Review B*, **2017**, 96,	3.3	10
243	Low temperature, high pressure thermo-physical and crystallographic properties of KZnF3 perovskite. *Materials Chemistry and Physics*, **2017**, 199, 393-407	4.4	3
242	High-pressure thermoelastic and structural properties of KCaF3 perovskite in the low temperature Pbnm phase. *Journal of Alloys and Compounds*, **2017**, 693, 1305-1314	5.7	5
241	Phase Transition Behavior of the Layered Perovskite CsBi0.6La0.4Nb2O7: A Hybrid Improper Ferroelectric. *Crystals*, **2017**, 7, 135	2.3	8
240	Magnetic and structural phase diagram of the solid solution LaCoxMn1−xO3. *Physical Review B*, **2016**, 94,	3.3	14
239	Low temperature and high pressure thermoelastic and crystallographic properties of SrZrO3 perovskite in the Pbnm phase. *Solid State Sciences*, **2016**, 62, 90-104	3.4	5
238	Orbital frustration in the S = ½ kagome magnet vesignieite, BaCu3V2O8(OH)2. *Journal of Materials Chemistry C*, **2016**, 4, 10315-10322	7.1	15
237	Low-temperature structural behaviour of LaCoO3 – A high-resolution neutron study. *Solid State Sciences*, **2016**, 57, 38-43	3.4	9

236	Neutron diffraction and multinuclear solid state NMR investigation into the structures of oxide ion conducting La9.6Si6O26.4 and La8Sr2Si6O26, and their hydrated phases. *Dalton Transactions*, **2016**, 45, 121-33	4.3	8
235	X-ray and neutron powder diffraction analyses of Gly·MgSO4·5H2O and Gly·MgSO4·3H2O, and their deuterated counterparts. *Acta Crystallographica Section C, Structural Chemistry*, **2016**, 72, 203-16	0.8	1
234	Synthesis, structural characterisation and proton conduction of two new hydrated phases of barium ferrite BaFeO2.5−x(OH)2x. *Journal of Materials Chemistry A*, **2016**, 4, 3415-3430	13	15
233	Phase separation in NaTaO 3 . Impact of temperature and doping. *Solid State Sciences*, **2016**, 52, 149-153	3.4	10
232	The impact of room temperature polymorphism in K doped NaTaO3 on structural phase transition behaviour. *Journal of Solid State Chemistry*, **2016**, 238, 109-112	3.3	7
231	Thermal evolution of the crystal structure of the orthorhombic perovskite LaFeO3. *Journal of Solid State Chemistry*, **2015**, 230, 337-342	3.3	27
230	Structural and dielectric studies of the phase behaviour of the topological ferroelectric La1-xNdxTaO4. *Dalton Transactions*, **2015**, 44, 10673-80	4.3	25
229	A method for the monitoring of metal recrystallization based on the in-situ measurement of the elastic energy release using neutron diffraction. *Review of Scientific Instruments*, **2015**, 86, 053901	1.7	6
228	Low temperature thermoelastic properties of galena in a simple, self-consistent, two-term Debye model. *Physics and Chemistry of Minerals*, **2015**, 42, 235-242	1.6	2
227	Phase coexistence in NaTaO3 at room temperature; a high resolution neutron powder diffraction study. *Solid State Sciences*, **2015**, 43, 15-21	3.4	15
226	New insights into the phase diagram of a magnetic perovskite, LaCo□Mn□O□. *Journal of Physics Condensed Matter*, **2015**, 27, 165401	1.8	4
225	Low temperature structural studies of SrSnO3. *Journal of Physics Condensed Matter*, **2015**, 27, 365401	1.8	20
224	High-temperature structural phase transitions in neighborite: a high-resolution neutron powder diffraction investigation. *Physics and Chemistry of Minerals*, **2015**, 42, 45-52	1.6	6
223	Reply to "Structural and magnetic behavior of the cubic oxyfluoride SrFeO2F studied by neutron diffraction". *Journal of Solid State Chemistry*, **2015**, 226, 326-331	3.3	10
222	Lithium insertion properties of Li TiNb2O7 investigated by neutron diffraction and first-principles modelling. *Journal of Solid State Chemistry*, **2015**, 229, 19-25	3.3	26
221	Thermoelastic and structural properties of ionically conducting cerate perovskites: (II) SrCeO3 between 1273 K and 1723 K. *Dalton Transactions*, **2015**, 44, 10773-84	4.3	4
220	Observations on the crystal structures of lueshite. *Physics and Chemistry of Minerals*, **2014**, 41, 393-401	1.6	8
219	Introducing a large polar tetragonal distortion into Ba-doped BiFeO3 by low-temperature fluorination. *Inorganic Chemistry*, **2014**, 53, 12572-83	5.1	21

218	Cobalt adipate, Co(C6H8O4): antiferromagnetic structure, unusual thermal expansion and magnetoelastic coupling. *Materials Horizons*, **2014**, 1, 332-337	14.4	20
217	Colossal thermal expansion and negative thermal expansion in simple halogen bonded complexes. *CrystEngComm*, **2014**, 16, 237-243	3.3	25
216	Tuning the giant magnetoelastic transition in Ba3BiIr2O9 and Ba3BiRu2O9. *Journal of Physics Condensed Matter*, **2014**, 26, 276003	1.8	4
215	A high-pressure neutron diffraction study of the ferroelastic phase transition in RbCaF3. *Physics and Chemistry of Minerals*, **2014**, 41, 461-472	1.6	9
214	From spin glass to quantum spin liquid ground states in molybdate pyrochlores. *Physical Review Letters*, **2014**, 113, 117201	7.4	30
213	Crystallographic and magnetic structure of the perovskite-type compound BaFeO2.5: unrivaled complexity in oxygen vacancy ordering. *Inorganic Chemistry*, **2014**, 53, 5911-21	5.1	36
212	Equation of state and a high-pressure structural phase transition in the gillespite-structured phase Ba0.5Sr0.5CuSi4O10. *European Journal of Mineralogy*, **2014**, 25, 909-917	2.2	2
211	A high-resolution neutron powder diffraction investigation of galena (PbS) between 10 K and 350 K: no evidence for anomalies in the lattice parameters or atomic displacement parameters in galena or altaite (PbTe) at temperatures corresponding to the saturation of cation disorder. *Journal of Physics Condensed Matter*, **2014**, 26, 385403	1.8	15
210	Time-of-flight neutron powder diffraction with milligram samples: the crystal structures of NaCoF3and NaNiF3post-perovskites. *Journal of Applied Crystallography*, **2014**, 47, 1939-1947	3.8	6
209	A high-resolution powder neutron diffraction study of the crystal structure of neighborite (NaMgF3) between 9 and 440 K. *American Mineralogist*, **2014**, 99, 824-838	2.9	9
208	Substitution of Ti3+ and Ti4+ in hibonite (CaAl12O19). *American Mineralogist*, **2014**, 99, 1369-1382	2.9	23
207	The temperature□dependence of the volume expansivity and the thermal expansion tensor of petalite between 4.2 K and 600 K. *Journal of Mineralogical and Petrological Sciences*, **2014**, 109, 118-124	0.9	5
206	A neutron diffraction study and mode analysis of compounds of the system La1□xSrxFeO3□Fx (x=1, 0.8, 0.5, 0.2) and an investigation of their magnetic properties. *Journal of Solid State Chemistry* , **2013**, 206, 158-169	3.3	33
205	The competition between halogen bonds (Br?O) and C□H?O hydrogen bonds: the structure of the acetone□bromine complex revisited. *CrystEngComm*, **2013**, 15, 8572	3.3	15
204	High-temperature phases of multiferroic BiFe0.7Mn0.3O3. *Physical Review B*, **2013**, 87,	3.3	1
203	Synthesis, structural and magnetic characterisation of the fluorinated compound 15R-BaFeO2F. *Journal of Solid State Chemistry*, **2013**, 203, 218-226	3.3	20
202	High-temperature order□disorder transitions in the skutterudites CoGe1.5Q1.5 (Q=S, Te). *Journal of Solid State Chemistry*, **2013**, 198, 525-531	3.3	5
201	Thermally Robust Anion-Chain Order in Oxynitride Perovskites. *Chemistry of Materials*, **2013**, 25, 5004-5016	9.6	60

200	Facile proton conduction in H+/Li+ ion-exchanged garnet-type fast Li-ion conducting Li5La3Nb2O12. *Journal of Materials Chemistry A*, **2013**, 1, 13469	13	49
199	Synthesis, conductivity and structural aspects of Nd3Zr2Li7□xAlxO12. *Journal of Materials Chemistry A*, **2013**, 1, 14013	13	19
198	Neutron diffraction in situ monitoring of the dislocation density during martensitic transformation in a stainless steel. *Scripta Materialia*, **2013**, 68, 506-509	5.6	49
197	Thermoelastic and structural properties of ionically conducting cerate perovskites: (I) BaCeO3 at low temperature in the Pbnm phase. *Solid State Ionics*, **2013**, 232, 112-122	3.3	14
196	Magnetoelastic coupling and competing entropy changes in substituted CoMnSi metamagnets. *Physical Review B*, **2013**, 87,	3.3	32
195	On the soft magnetic properties of the compounds of the series Na(x)Mn(4.5-x/2)(VO4)3 and the magnetic structure of h.t.-Mn3(VO4)2 (x = 1). *Dalton Transactions*, **2013**, 42, 7894-900	4.3	4
194	A comparison of dilatometry and in-situ neutron diffraction in tracking bulk phase transformations in a martensitic stainless steel. *Materials Characterization*, **2013**, 82, 50-57	3.9	27
193	Monitoring in situ stress/strain behaviour during plastic yielding in polymineralic rocks using neutron diffraction. *Journal of Structural Geology*, **2013**, 47, 36-51	3	5
192	Ferroelectricity and lattice distortion associated with spin orderings in a multiferroic delafossite AgFeO2. *EPJ Web of Conferences*, **2013**, 40, 15008	0.3	6
191	Effect of Ga incorporation on the structure and Li ion conductivity of La3Zr2Li7O12. *Dalton Transactions*, **2012**, 41, 12048-53	4.3	76
190	Giant magnetoelastic effect at the opening of a spin-gap in Ba3BiIr2O9. *Journal of the American Chemical Society*, **2012**, 134, 3265-70	16.4	32
189	Synthesis, characterization and physical properties of the skutterudites YbxFe2Ni2Sb12 (0⊠0.4). *Journal of Solid State Chemistry*, **2012**, 193, 36-41	3.3	15
188	Low temperature thermoelastic and structural properties of LaGaO3 perovskite in the Pbnm phase. *Journal of Solid State Chemistry*, **2012**, 194, 286-296	3.3	16
187	Spiral-spin-driven ferroelectricity in a multiferroic delafossite AgFeO2. *Physical Review Letters*, **2012**, 109, 097203	7.4	47
186	Acentric magnetic and optical properties of chalcopyrite (CuFeS2). *Journal of Physics Condensed Matter*, **2012**, 24, 216001	1.8	12
185	Combined neutron and X-ray diffraction determination of disorder in doped zirconolite-2M. *American Mineralogist*, **2012**, 97, 291-298	2.9	22
184	Pressure-dependent spin fluctuations and magnetic structure in the topologically frustrated spin glass alloy Y(Mn0.95Al0.05)2. *Physical Review B*, **2012**, 85,	3.3	2
183	Crystal structures, strain analysis, and physical properties of Sr0.7Ce0.3MnO3. *Physical Review B*, **2012**, 85,	3.3	14

182	Impact of Jahn-Teller active Mn3+ on strain effects and phase transitions in Sr0.65Pr0.35MnO3. *Physical Review B*, **2012**, 85,	3.3	20
181	Structural and thermoelastic properties of CaTiO3 perovskite between 7 K and 400 K. *Journal of Alloys and Compounds*, **2011**, 509, 6337-6345	5.7	23
180	THE LOW-TEMPERATURE AND HIGH-PRESSURE THERMOELASTIC AND STRUCTURAL PROPERTIES OF CHALCOPYRITE, CuFeS2. *Canadian Mineralogist*, **2011**, 49, 1015-1034	0.7	30
179	Structural and thermoelastic study of the protonic conducting perovskite SrCe0.95Yb0.05O(3-δ) between 373 K and 1273 K. *Journal of Electroceramics*, **2011**, 27, 143-153	1.5	6
178	Thermoelastic properties and crystal structure of CaPtO3post-perovskite from 0 to 9 GPa and from 2 to 973 K. *Journal of Applied Crystallography*, **2011**, 44, 999-1016	3.8	8
177	Negative linear compressibility and massive anisotropic thermal expansion in methanol monohydrate. *Science*, **2011**, 331, 742-6	33.3	178
176	CENTROSYMMETRIC PEROVSKITE CRYSTAL STRUCTURES WITH SPACE GROUP Pbnm: CRYSTALLOGRAPHIC PARAMETERIZATION OF KCaF3 BETWEEN 100 AND 400 K IN TERMS OF THE AMPLITUDES OF SYMMETRY-ADAPTED BASIS VECTORS OF THE CUBIC ARISTOTYPE PHASE. *Canadian Mineralogist*, **2011**, 49, 793-808	0.7	16
175	High-temperature phase transitions of hexagonal YMnO3. *Physical Review B*, **2011**, 83,	3.3	158
174	Determination of structural chirality of berlinite and quartz using resonant x-ray diffraction with circularly polarized x-rays. *Physical Review B*, **2010**, 81,	3.3	18
173	Experimental evidence of anapolar moments in the antiferromagnetic insulating phase of V2O3 obtained from x-ray resonant Bragg diffraction. *Physical Review B*, **2010**, 81,	3.3	25
172	Symmetry and strain analysis of structural phase transitions in Pr0.48Ca0.52MnO3. *Physical Review B*, **2010**, 82,	3.3	22
171	Structural variations in the wesselsiteeffenbergerite (Sr1xBaxCuSi4O10) solid solution. *European Journal of Mineralogy*, **2010**, 22, 411-423	2.2	9
170	X-ray absorption and neutron diffraction studies of (Sr(1 - x)Ce(x))MnO3: transition from coherent to incoherent static Jahn-Teller distortions. *Journal of Physics Condensed Matter*, **2010**, 22, 445401	1.8	8
169	Giant magnetoelastic coupling in a metallic helical metamagnet. *Physical Review Letters*, **2010**, 104, 247202	7.4	70
168	Zigzag ladders with staggered magnetic chirality in the S=32 compound CaCr2O4. *Physical Review B*, **2010**, 81,	3.3	38
167	The polar phase of NaNbO(3): a combined study by powder diffraction, solid-state NMR, and first-principles calculations. *Journal of the American Chemical Society*, **2010**, 132, 8732-46	16.4	137
166	Combined experimental and modelling studies of proton conducting La1Ba1+xGaO4/2: proton location and dopant site selectivity. *Journal of Materials Chemistry*, **2010**, 20, 10412		12
165	Analytical expressions to determine the isothermal compressibility tensor and the isobaric thermal expansion tensor for monoclinic crystals: application to determine the direction of maximum compressibility in jadeite. *Physics and Chemistry of Minerals*, **2010**, 37, 529-533	1.6	33

164	The □-to-□ Transition in BiFeO3: A Powder Neutron Diffraction Study. *Advanced Functional Materials*, **2010**, 20, 2116-2123	15.6	81
163	The crystal structure of perdeuterated methanol hemiammoniate (CD3OD□0.5ND3) determined from neutron powder diffraction data at 4.2 and 180 K. *Journal of Applied Crystallography*, **2010**, 43, 328-336	3.8	8
162	Polysomatic apatites. *Acta Crystallographica Section B: Structural Science*, **2010**, 66, 1-16		28
161	Revision of the structure of Cs2CuSi5O12 leucite as orthorhombic Pbca. *Acta Crystallographica Section B: Structural Science*, **2010**, 66, 51-9		15
160	PARAMETERIZATION OF CENTROSYMMETRIC ELPASOLITE-TYPE CRYSTAL STRUCTURES IN TERMS OF SYMMETRY-ADAPTED BASIS-VECTORS OF THE PRIMITIVE CUBIC ARISTOTYPE PHASE. *Canadian Mineralogist*, **2009**, 47, 401-420	0.7	5
159	Ambi-site substitution of Mn in lanthanum germanate apatites. *Materials Research Bulletin*, **2009**, 44, 1806-1809	5.1	15
158	The thermal expansion and crystal structure of mirabilite (Na2SO4□10D2O) from 4.2 to 300 K, determined by time-of-flight neutron powder diffraction. *Physics and Chemistry of Minerals*, **2009**, 36, 29-46	1.6	35
157	Phase behaviour and thermoelastic properties of perdeuterated ammonia hydrate and ice polymorphs from 0 to 2 GPa. *Journal of Applied Crystallography*, **2009**, 42, 846-866	3.8	27
156	The crystal structure of perdeuterated methanol monoammoniate (CD3OD□ND3) determined from neutron powder diffraction data at 4.2 and 180 K. *Journal of Applied Crystallography*, **2009**, 42, 1054-1061	3.8	10
155	Structure, crystal chemistry and thermal evolution of the □-Bi2O3-related phase Bi9ReO17. *Journal of Solid State Chemistry*, **2009**, 182, 2468-2474	3.3	5
154	Synchrotron X-ray absorption spectroscopy and X-ray powder diffraction studies of the structure of johnbaumite [Ca10(AsO4)6(OH,F)2] and synthetic Pb-, Sr- and Ba-arsenate apatites and some comments on the crystal chemistry of the apatite structure type in general. *Mineralogical Magazine*, **2009**, 73, 433-455	1.7	17
153	PARAMETERIZATION OF THE CRYSTAL STRUCTURES OF CENTROSYMMETRIC ZONE-BOUNDARY-TILTED PEROVSKITES: AN ANALYSIS IN TERMS OF SYMMETRY-ADAPTED BASIS-VECTORS OF THE CUBIC ARISTOTYPE PHASE. *Canadian Mineralogist*, **2009**, 47, 381-400	0.7	29
152	Ferroelectric-paraelectric transition in BiFeO3: crystal structure of the orthorhombic beta phase. *Physical Review Letters*, **2009**, 102, 027602	7.4	261
151	Temperature- and pressure-induced proton transfer in the 1:1 adduct formed between squaric acid and 4,4'-bipyridine. *Journal of the American Chemical Society*, **2009**, 131, 3884-93	16.4	72
150	PROTON LOCATION AND HYDROGEN BONDING IN THE HYDROUS LEAD COPPER SULFATES LINARITE, PbCu(SO4)(OH)2, AND CALEDONITE, Pb5Cu2(SO4)3CO3(OH)6. *Canadian Mineralogist*, **2009**, 47, 649-662	0.7	8
149	Characteristic length scale for strain fields around impurity cations in perovskites. *Physical Review B*, **2009**, 80,	3.3	25
148	Right handed or left handed? Forbidden x-ray diffraction reveals chirality. *Physical Review Letters*, **2008**, 100, 145502	7.4	47
147	(Ca0.37Sr0.63)TiO3perovskite□n example of an unusual class of tilted perovskites. *Journal of Physics Condensed Matter*, **2008**, 20, 135202	1.8	17

146	Neutron powder diffraction studies of sulfuric acid hydrates. II. The structure, thermal expansion, incompressibility, and polymorphism of sulfuric acid tetrahydrate (D2SO4.4D2O). *Journal of Chemical Physics*, **2008**, 128, 054506	3.9	14
145	Local structure and disorder in crystalline Pb9Al8O21. *Journal of Solid State Chemistry*, **2008**, 181, 1087-1102	3.3	11
144	The crystal structure and thermal expansion tensor of MgSO4□1D2O(meridianiite) determined by neutron powder diffraction. *Physics and Chemistry of Minerals*, **2008**, 35, 207-221	1.6	62
143	POWDER NEUTRON-DIFFRACTION STUDIES OF CLINOPYROXENES. I. THE CRYSTAL STRUCTURE AND THERMOELASTIC PROPERTIES OF JADEITE BETWEEN 1.5 AND 270 K. *Canadian Mineralogist*, **2008**, 46, 1593-1622	0.7	13
142	Cation Substitution in Defect Thiospinels: Structural and Magnetic Properties of GaV4-xMoxS8 (0□□4). *Chemistry of Materials*, **2007**, 19, 5035-5044	9.6	16
141	Thermal expansion of deuterated hopeite, Zn3(PO4)2□4D2O. *American Mineralogist*, **2007**, 92, 1038-1047	2.9	2
140	Structural anomalies at the magnetic transition in centrosymmetric BiMnO3. *Physical Review B*, **2007**, 75,	3.3	70
139	Structures and phase diagram for the system CaTiO3□a2/3TiO3. *Journal of Solid State Chemistry*, **2007**, 180, 1083-1092	3.3	30
138	High-resolution neutron powder diffraction study on the phase transitions in BaPbO3. *Journal of Solid State Chemistry*, **2007**, 180, 1559-1565	3.3	16
137	Crystal structure of Ln1/3NbO3 (Ln=Nd, Pr) and phase transition in Nd1/3NbO3. *Journal of Solid State Chemistry*, **2007**, 180, 1846-1851	3.3	20
136	Crystal structures and thermal expansion of □MgSO4and □MgSO4from 4.2 to 300 K by neutron powder diffraction. *Journal of Applied Crystallography*, **2007**, 40, 761-770	3.8	30
135	Cooperative mechanisms of fast-ion conduction in gallium-based oxides with tetrahedral moieties. *Nature Materials*, **2007**, 6, 871-5	27	164
134	High temperature structural and thermoelastic behaviour of mantle orthopyroxene: an in situ neutron powder diffraction study. *Physics and Chemistry of Minerals*, **2007**, 34, 185-200	1.6	14
133	Structural studies of the proton conducting perovskite □a0.6Ba0.4ScO2.8□*Solid State Ionics*, **2007**, 178, 943-949	3.3	24
132	Polar and magnetoelectric multipoles in gallium ferrate inferred from optical and x-ray measurements. *Journal of Physics Condensed Matter*, **2007**, 19, 376205	1.8	10
131	Observation of two spin gap energies in the filled skutterudite compound CeOs4Sb12. *Physical Review B*, **2007**, 75,	3.3	19
130	Vanadium magnetoelectric multipoles in V2O3. *Physical Review B*, **2007**, 75,	3.3	22
129	Structural phase transition and magnetism in hexagonal SrMnO3 by magnetization measurements and by electron, x-ray, and neutron diffraction studies. *Physical Review B*, **2007**, 75,	3.3	34

128	Structural basis for the anomalous low-temperature thermal expansion behaviour of the gillespite-structured phase Ba0.5Sr0.5CuSi4O10. *European Journal of Mineralogy*, **2007**, 19, 189-200	2.2	7
127	The high-pressure phase diagram of ammonia dihydrate. *High Pressure Research*, **2007**, 27, 201-212	1.6	50
126	Suppression of strain coupling in perovskite La0.6Sr0.1TiO3 by cation disorder. *Physical Review B*, **2007**, 76,	3.3	25
125	Cation ordering in MgTi2O5 (karrooite): Probing temperature dependent effects with neutrons. *American Mineralogist*, **2007**, 92, 1165-1180	2.9	18
124	Unusual high-temperature structural behaviour in ferroelectric Bi2WO6. *Chemistry - A European Journal*, **2006**, 12, 1493-9	4.8	129
123	Neutron powder diffraction studies of sulfuric acid hydrates. I. The structure of sulfuric acid hemitriskaidekahydrate D2SO4.6(1/2)D2O. *Journal of Chemical Physics*, **2006**, 125, 144510	3.9	14
122	Rhombohedral to cubic phase transition in the relaxor ferroelectric PZN. *Journal of Physics Condensed Matter*, **2006**, 18, L233-L240	1.8	19
121	Structural relationships and a phase diagram for (Ca,Sr)TiO3perovskites. *Journal of Physics Condensed Matter*, **2006**, 18, 10725-10749	1.8	64
120	Enantioselective surface chemistry of R-2-bromobutane on Cu(643)R&S and Cu(531)R&S. *Journal of Physical Chemistry B*, **2006**, 110, 10411-20	3.4	31
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