

# Kevin Knight

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	<p>Paraelectric-Paraelectric Transition in <math>\text{BiFeO}_3</math>: Crystal Structure of the Orthorhombic Phase. <i>Physical Review Letters</i>, 2009, 102, 027602.</p> <p>Determination of B-site ordering and structural transformations in the mixed transition metal perovskites <math>\text{La}_2\text{CoMnO}_6</math> and <math>\text{La}_2\text{NiMnO}_6</math>. <i>Journal of Physics Condensed Matter</i>, 2003, 15, 4927-4936.</p>	7.8	287
2	Negative Linear Compressibility and Massive Anisotropic Thermal Expansion in Methanol Monohydrate. <i>Science</i> , 2011, 331, 742-746.	12.6	219
3	Transformation processes in $\text{LaAlO}_3$ : Neutron diffraction, dielectric, thermal, optical, and Raman studies. <i>Physical Review B</i> , 2005, 72, .	3.2	211
4	Thermal expansion and crystal structure of cementite, $\text{Fe}_3\text{C}$ , between 4 and 600 K determined by time-of-flight neutron powder diffraction. <i>Journal of Applied Crystallography</i> , 2004, 37, 82-90.	4.5	186
5	Cooperative mechanisms of fast-ion conduction in gallium-based oxides with tetrahedral moieties. <i>Nature Materials</i> , 2007, 6, 871-875.	27.5	185
6	High-temperature phase transitions of hexagonal $\text{YMnO}_3$ . <i>Physical Review B</i> , 2011, 83, .	3.2	184
7	The Polar Phase of $\text{NaNbO}_3$ : A Combined Study by Powder Diffraction, Solid-State NMR, and First-Principles Calculations. <i>Journal of the American Chemical Society</i> , 2010, 132, 8732-8746.	13.7	178
8	The structural phase transitions in strontium zirconate revisited. <i>Journal of Physics Condensed Matter</i> , 2000, 12, L677-L683.	1.8	172
9	Unusual High-Temperature Structural Behaviour in Ferroelectric $\text{Bi}_2\text{WO}_6$ . <i>Chemistry - A European Journal</i> , 2006, 12, 1493-1499.	3.3	150
10	Structural and magnetic properties of the Kagomé antiferromagnet $\text{YbBaCo}_4\text{O}_7$ . <i>Journal of Solid State Chemistry</i> , 2006, 179, 1136-1145.	2.9	138
11	Structural phase transitions, oxygen vacancy ordering and protonation in doped $\text{BaCeO}_3$ : results from time-of-flight neutron powder diffraction investigations. <i>Solid State Ionics</i> , 2001, 145, 275-294.	2.7	128
12	High-temperature phases of $\text{NaNbO}_3$ and $\text{NaTaO}_3$ . <i>Acta Crystallographica Section B: Structural Science</i> , 1999, 55, 24-30.	1.8	126
13	The crystal structure of russellite; a re-determination using neutron powder diffraction of synthetic $\text{Bi}_2\text{WO}_6$ . <i>Mineralogical Magazine</i> , 1992, 56, 399-409.	1.4	117
14	Structure and magnetism in synthetic pyrrhotite $\text{Fe}_7\text{S}_8$ : A powder neutron-diffraction study. <i>Physical Review B</i> , 2004, 70, .	3.2	116
15	Thermal expansion and crystal structure of $\text{FeSi}$ between 4 and 1173 K determined by time-of-flight neutron powder diffraction. <i>Physics and Chemistry of Minerals</i> , 2002, 29, 132-139.	0.8	113
16	Structures and phase transitions in the ordered double perovskites $\text{Ba}_2\text{BiIII}(\text{BiVO}_6)$ and $\text{Ba}_2\text{BiIII}(\text{SbVO}_6)$ . <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 537-546.	1.8	110
17	The crystal structures of $\text{CuInSe}_2$ and $\text{CuInTe}_2$ . <i>Materials Research Bulletin</i> , 1992, 27, 161-167.	5.2	108

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19	The effect of ferromagnetism on the equation of state of Fe <sub>3</sub> C studied by first-principles calculations. <i>Earth and Planetary Science Letters</i> , 2002, 203, 567-575.	4.4	108
20	The crystal structures of some doped and undoped alkaline earth cerate perovskites. <i>Materials Research Bulletin</i> , 1995, 30, 347-356.	5.2	103
21	Crystal structure and paramagnetic behaviour of. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 6563-6577.	1.8	100
22	Effect of Ga incorporation on the structure and Li ion conductivity of La <sub>3</sub> Zr <sub>2</sub> Li <sub>7</sub> O <sub>12</sub> . <i>Dalton Transactions</i> , 2012, 41, 12048.	3.3	96
23	High-temperature phase transitions in tungsten trioxide - the last word?. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 377-387.	1.8	92
24	The $\Gamma_2^{\prime} \rightarrow \Gamma_3^{\prime}$ Transition in BiFeO <sub>3</sub> : A Powder Neutron Diffraction Study. <i>Advanced Functional Materials</i> , 2010, 20, 2116-2123.	14.9	90
25	Octahedral cation ordering in olivine at high temperature. II: an in situ neutron powder diffraction study on synthetic MgFeSiO <sub>4</sub> (Fa50). <i>Physics and Chemistry of Minerals</i> , 2000, 27, 630-637.	0.8	87
26	Giant Magnetoelastic Coupling in a Metallic Helical Metamagnet. <i>Physical Review Letters</i> , 2010, 104, 247202.	7.8	84
27	On the lattice parameters of sodium niobate at room temperature and above. <i>Physica B: Condensed Matter</i> , 1999, 266, 368-372.	2.7	83
28	Temperature- and Pressure-Induced Proton Transfer in the 1:1 Adduct Formed between Squaric Acid and 4,4'-Bipyridine. <i>Journal of the American Chemical Society</i> , 2009, 131, 3884-3893.	13.7	82
29	Thermal expansion of gypsum investigated by neutron powder diffraction. <i>American Mineralogist</i> , 1996, 81, 847-851.	1.9	80
30	High temperature structural phase transitions in SrSnO <sub>3</sub> perovskite. <i>Materials Research Bulletin</i> , 2005, 40, 507-520.	5.2	79
31	Thermal expansion and atomic displacement parameters of cubic KMgF <sub>3</sub> perovskite determined by high-resolution neutron powder diffraction. <i>Journal of Applied Crystallography</i> , 2002, 35, 291-295.	4.5	77
32	Neutron diffraction in situ monitoring of the dislocation density during martensitic transformation in a stainless steel. <i>Scripta Materialia</i> , 2013, 68, 506-509.	5.2	77
33	Structural anomalies at the magnetic transition in centrosymmetric BiMnO <sub>3</sub> . <i>Physical Review B</i> , 2007, 75, .	3.2	75
34	Structural relationships and a phase diagram for (Ca,Sr)TiO <sub>3</sub> perovskites. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 10725-10749.	1.8	72
35	The role of hydrogen bonding in the thermal expansion and dehydration of brushite, di-calcium phosphate dihydrate. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 606-624.	0.8	70
36	The crystal structure and thermal expansion tensor of MgSO <sub>4</sub> ·11D <sub>2</sub> O (meridianiite) determined by neutron powder diffraction. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 207-221.	0.8	70

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37	Neutron powder diffraction study of the scintillator material ZnWO <sub>4</sub> . Journal of Materials Science, 1996, 31, 2873-2877.	3.7	69
38	Strain mechanism for order-parameter coupling through successive phase transitions in PrAlO <sub>3</sub> . Physical Review B, 2005, 72, .	3.2	69
39	Thermally Robust Anion-Chain Order in Oxynitride Perovskites. Chemistry of Materials, 2013, 25, 5004-5011.	6.7	68
40	Right Handed or Left Handed? Forbidden X-Ray Diffraction Reveals Chirality. Physical Review Letters, 2008, 100, 145502.	7.8	67
41	Powder neutron diffraction studies of BaCe <sub>0.9</sub> Y <sub>0.1</sub> O <sub>2.95</sub> and BaCeO <sub>3</sub> at 4.2 K: a possible structural site for the proton. Solid State Ionics, 2000, 127, 43-48.	2.7	66
42	Does the modulated magnetic structure of BiFeO <sub>3</sub> change at low temperatures?. Journal of Physics Condensed Matter, 2006, 18, 2069-2075.	1.8	61
43	High-Temperature Study of Octahedral Cation Exchange in Olivine by Neutron Powder Diffraction. Science, 1996, 271, 1713-1715.	12.6	57
44	The high-pressure phase diagram of ammonia dihydrate. High Pressure Research, 2007, 27, 201-212.	1.2	57
45	Spiral-Spin-Driven Ferroelectricity in a Multiferroic Delafossite $\text{AgFeO}_2$ . Physical Review Letters, 2012, 109, 097203.	7.8	57
46	Facile proton conduction in H <sup>+</sup> /Li <sup>+</sup> ion-exchanged garnet-type fast Li-ion conducting Li <sub>5</sub> La <sub>3</sub> Nb <sub>2</sub> O <sub>12</sub> . Journal of Materials Chemistry A, 2013, 1, 13469.	10.3	57
47	Enantiospecific preparation of [(2 <i>r</i> ,6 <i>s</i> )-endo]-5-aza-1,10,10-trimethyl-3-oxatricyclo[5.2.1.0 <sup>2,6</sup> ]decan-4-one by a nitrene-mediated route from [(1 <i>s</i> )-endo]-( $\hat{\alpha}$ )-borneol and its utility as a chiral auxiliary in some asymmetric transformations. Tetrahedron, 1992, 48, 7979-8006.	1.9	54
48	Determination of olivine cooling rates from metal-cation ordering. Nature, 1996, 381, 407-409.	27.8	54
49	Distortion Characteristics Across the Structural Phase Transition in (Cu <sup>1-x</sup> Zn <sup>x</sup> )WO <sub>4</sub> . Acta Crystallographica Section B: Structural Science, 1997, 53, 102-112.	1.8	53
50	Structural distortions in the layered perovskites CsANb <sub>2</sub> O <sub>7</sub> (A=Nd, Bi). Journal of Solid State Chemistry, 2003, 173, 309-313.	2.9	53
51	Spontaneous strain variations through the low temperature phase transitions of deuterated lawsonite. American Mineralogist, 2003, 88, 534-546.	1.9	51
52	Cation disorder and phase transitions in the structurally complex solar cell material Cu <sub>2</sub> ZnSnS <sub>4</sub> . Journal of Materials Chemistry A, 2017, 5, 16672-16680.	10.3	51
53	Single-crystal X-ray diffraction analysis of pyrene II at 93K. Journal of Molecular Structure, 2000, 520, 29-32.	3.6	50
54	Displacive components of the low-temperature phase transitions in lawsonite. American Mineralogist, 2001, 86, 566-577.	1.9	50

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55	The thermoelastic properties of MgSO <sub>4</sub> ·H <sub>2</sub> O (epsomite) from powder neutron diffraction and ab initio calculation. European Journal of Mineralogy, 2006, 18, 449-462.	1.3	50
56	From Spin Glass to Quantum Spin Liquid Ground States in Molybdate Pyrochlores. Physical Review Letters, 2014, 113, 117201.	7.8	49
57	No evidence for large-scale proton ordering in Antarctic ice from powder neutron diffraction. Journal of Chemical Physics, 2004, 120, 11376-11379.	3.0	48
58	The incompressibility and thermal expansivity of D <sub>2</sub> O ice II determined by powder neutron diffraction. Journal of Applied Crystallography, 2005, 38, 612-618.	4.5	47
59	Two-dimensional spin liquid behaviour in the triangular-honeycomb antiferromagnet TbInO <sub>3</sub> . Nature Physics, 2019, 15, 262-268.	16.7	47
60	Structure and thermoelectric properties of the ordered skutterudite CoGe <sub>1.5</sub> Te <sub>1.5</sub> . Journal of Solid State Chemistry, 2006, 179, 2047-2053.	2.9	44
61	Structural phase transition and magnetism in hexagonal SrMnO <sub>3</sub> by magnetization measurements and by electron, x-ray, and neutron diffraction studies. Physical Review B, 2007, 75, .	3.2	44
62	Zigzag ladders with staggered magnetic chirality in the $S=1$ compound $\text{BaFeO}_{2.5}$ . $\frac{S}{2} = \frac{1}{2}$	3.2	44
63	Crystallographic and Magnetic Structure of the Perovskite-Type Compound BaFeO <sub>2.5</sub> : Unraveled Complexity in Oxygen Vacancy Ordering. Inorganic Chemistry, 2014, 53, 5911-5921.	4.0	44
64	The thermal expansion and crystal structure of mirabilite (Na <sub>2</sub> SO <sub>4</sub> ·10H <sub>2</sub> O) from 4.2 to 300 K, determined by time-of-flight neutron powder diffraction. Physics and Chemistry of Minerals, 2009, 36, 29-46.	0.8	42
65	Space group and lattice constants for barium cerate and minor corrections to the crystal structures of BaCe <sub>0.9</sub> Y <sub>0.1</sub> O <sub>2.95</sub> and BaCe <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2.95</sub> . Journal of Materials Chemistry, 1994, 4, 899.	6.7	40
66	Lithium insertion properties of Li TiNb <sub>2</sub> O <sub>7</sub> investigated by neutron diffraction and first-principles modelling. Journal of Solid State Chemistry, 2015, 229, 19-25.	2.9	40
67	A neutron powder diffraction study of cation ordering in high-temperature synthetic amphiboles. European Journal of Mineralogy, 1999, 11, 321-332.	1.3	40
68	Static and dynamic structures of CD <sub>3</sub> ND <sub>3</sub> GeCl <sub>3</sub> studied by TOF high resolution neutron powder diffraction and solid state NMR. Dalton Transactions RSC, 2002, , 2112-2118.	2.3	39
69	Giant Magnetoelastic Effect at the Opening of a Spin-Gap in Ba <sub>3</sub> Bi <sub>2</sub> O <sub>9</sub> . Journal of the American Chemical Society, 2012, 134, 3265-3270.	13.7	39
70	Thermal evolution of the crystal structure of the orthorhombic perovskite LaFeO <sub>3</sub> . Journal of Solid State Chemistry, 2015, 230, 337-342.	2.9	39
71	Accurate quantification of the modal mineralogy of rocks when image analysis is difficult. Mineralogical Magazine, 2002, 66, 189-200.	1.4	38
72	Quadrupole and hexadecapole ordering in DyB <sub>2</sub> C <sub>2</sub> : Direct observation with resonant x-ray diffraction. Physical Review B, 2004, 69, .	3.2	38

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73	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. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 529-533.	0.8	38
74	Crystal structures of gadolinium- and yttrium-doped barium cerate. <i>Journal of Materials Chemistry</i> , 1992, 2, 709.	6.7	37
75	A high-resolution neutron powder diffraction study of ammonia dihydrate (ND <sub>3</sub> ·2D <sub>2</sub> O) phase I. <i>Journal of Chemical Physics</i> , 2003, 119, 10806-10813.	3.0	37
76	THE LOW-TEMPERATURE AND HIGH-PRESSURE THERMOELASTIC AND STRUCTURAL PROPERTIES OF CHALCOPYRITE, CuFeS <sub>2</sub> . <i>Canadian Mineralogist</i> , 2011, 49, 1015-1034.	1.0	36
77	A neutron diffraction study and mode analysis of compounds of the system La <sub>1-x</sub> Sr <sub>x</sub> FeO <sub>3-xF<sub>x</sub></sub> (x=1). <i>Journal of Applied Crystallography</i> , 2006, 39, 158-169.	1.0784314	36
78	Magnetoelastic coupling and competing entropy changes in substituted CoMnSi metamagnets. <i>Physical Review B</i> , 2013, 87, .	3.2	36
79	Colossal thermal expansion and negative thermal expansion in simple halogen bonded complexes. <i>CrystEngComm</i> , 2014, 16, 237-243.	2.6	36
80	An introduction to Bayesian model selection. <i>Physica D: Nonlinear Phenomena</i> , 1993, 66, 234-242.	2.8	35
81	First-order valence phase transition in CeNi <sub>1-x</sub> Co <sub>x</sub> Sn alloys. <i>Physical Review B</i> , 1995, 52, 12790-12797.	3.2	35
82	Temperature-induced phase transitions in BaTbO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , 2004, 177, 1667-1671.	2.9	35
83	Crystal structures and thermal expansion of <sup>1</sup> MgSO <sub>4</sub> and <sup>2</sup> MgSO <sub>4</sub> from 4.2 to 300 K by neutron powder diffraction. <i>Journal of Applied Crystallography</i> , 2007, 40, 761-770.	4.5	35
84	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. <i>Canadian Mineralogist</i> , 2009, 47, 381-400.	1.0	35
85	Experimental evidence of anapolar moments in the antiferromagnetic insulating phase of $V_2O_5$ from x-ray resonant Bragg diffraction. <i>Physical Review B</i> , 2010, 81, .	3.2	35
86	Substitution of Ti <sup>3+</sup> and Ti <sup>4+</sup> in hibonite (CaAl <sub>12</sub> O <sub>19</sub> ). <i>American Mineralogist</i> , 2014, 99, 1369-1382.	1.9	35
87	The crystal structure of ferroelectric Bi <sub>2</sub> WO <sub>6</sub> at 961 K. <i>Ferroelectrics</i> , 1993, 150, 319-330.	0.6	33
88	Structural aspects of the phase transition in $V_2O_5$ . <i>Journal of Physics Condensed Matter</i> , 1997, 9, 3503-3519.	1.8	33
89	Composition and temperature dependence of cation ordering in Ni-Mg olivine solid solutions: a time-of-flight neutron powder diffraction and EXAFS study. <i>American Mineralogist</i> , 2001, 86, 1170-1187.	1.9	33
90	Enantioselective Surface Chemistry of R-2-bromobutane on Cu(643) and Cu(531). <i>Journal of Physical Chemistry B</i> , 2006, 110, 10411-10420.	2.6	33

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91	Structures and phase diagram for the system $\text{CaTiO}_3\text{-La}_2/3\text{TiO}_3$ . Journal of Solid State Chemistry, 2007, 180, 1083-1092.	2.9	33
92	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.	4.4	33
93	Phase behaviour and thermoelastic properties of perdeuterated ammonia hydrate and ice polymorphs from 0 to 2â€¦GPa. Journal of Applied Crystallography, 2009, 42, 846-866.	4.5	32
94	Neutron diffraction of a complex of 1,8-bis(dimethylamino)naphthalene with 1,2-dichloromaleic acid. Acta Crystallographica Section B: Structural Science, 1996, 52, 691-696.	1.8	31
95	The microscopic origin of thermal cracking in rocks: An investigation by simultaneous time-of-flight neutron diffraction and acoustic emission monitoring. Geophysical Research Letters, 2001, 28, 2105-2108.	4.0	31
96	Structural and dielectric studies of the phase behaviour of the topological ferroelectric $\text{La}_{1-x}\text{Nd}_x\text{TaO}_4$ . Dalton Transactions, 2015, 44, 10673-10680.	3.3	31
97	Structural studies of the proton conducting perovskite $\text{La}_{0.6}\text{Ba}_{0.4}\text{ScO}_{2.8}$ . Solid State Ionics, 2007, 178, 943-949.	2.7	30
98	Polysomatic apatites. Acta Crystallographica Section B: Structural Science, 2010, 66, 1-16.	1.8	30
99	Suppression of strain coupling in perovskite $\text{La}_{0.6}\text{Sr}_{0.1}\text{Ti}_3\text{O}_{11}$ by	3.2	29
100	Characteristic length scale for strain fields around impurity cations in perovskites. Physical Review B, 2009, 80, .	3.2	29
101	Introducing a Large Polar Tetragonal Distortion into Ba-Doped $\text{BiFeO}_3$ by Low-Temperature Fluorination. Inorganic Chemistry, 2014, 53, 12572-12583.	4.0	29
102	Temperature evolution between 50 K and 320 K of the thermal expansion tensor of gypsum derived from neutron powder diffraction data. Physics and Chemistry of Minerals, 1999, 26, 477-483.	0.8	28
103	Phase relations and crystal structures in the systems $(\text{Bi,Ln})_2\text{WO}_6$ and $(\text{Bi,Ln})_2\text{MoO}_6$ (Ln=lanthanide). Journal of Solid State Chemistry, 2006, 179, 3437-3444.	2.9	28
104	Combined neutron and X-ray diffraction determination of disorder in doped zirconolite-2M. American Mineralogist, 2012, 97, 291-298.	1.9	28
105	A neutron powder diffraction determination of the thermal expansion tensor of crocoite ( $\text{PbCrO}_4$ ) between 60 K and 290 K. Mineralogical Magazine, 1996, 60, 963-972.	1.4	27
106	Determination of structural chirality of berlinite and quartz using resonant x-ray diffraction with circularly polarized x-rays. Physical Review B, 2010, 81, .	3.2	27
107	Structural and thermoelastic properties of $\text{CaTiO}_3$ perovskite between 7K and 400K. Journal of Alloys and Compounds, 2011, 509, 6337-6345.	5.5	27
108	Crystal Structure Solution from Neutron Powder Diffraction Data by a new Monte Carlo Approach Incorporating Restrained Relaxation of the Molecular Geometry. Journal of Applied Crystallography, 1997, 30, 968-974.	4.5	26

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109	Vanadium magnetoelectric multipoles in V <sub>2</sub> O <sub>3</sub> . Physical Review B, 2007, 75, .	3.2	26
110	Synthesis, conductivity and structural aspects of Nd <sub>3</sub> Zr <sub>2</sub> Li <sub>7</sub> Al <sub>x</sub> O <sub>12</sub> . Journal of Materials Chemistry A, 2013, 1, 14013.	10.3	25
111	Pressure dependence of the crystal structure of SrCeO <sub>3</sub> perovskite. Journal of Alloys and Compounds, 2005, 394, 131-137.	5.5	24
112	Crystal structure of Ln <sub>1/3</sub> NbO <sub>3</sub> (Ln=Nd, Pr) and phase transition in Nd <sub>1/3</sub> NbO <sub>3</sub> . Journal of Solid State Chemistry, 2007, 180, 1846-1851.	2.9	24
113	Structural study of barium titanate between 150 and 425 K. Phase Transitions, 1994, 48, 217-236.	1.3	23
114	Cooperative Jahn-Teller Effect in Titanium Alum. Journal of the American Chemical Society, 1997, 119, 3324-3332.	13.7	23
115	Structural phase transitions in germanate analogues of investigated by high-resolution neutron powder diffraction. Journal of Physics Condensed Matter, 1997, 9, 3833-3851.	1.8	23
116	Synthesis, structural and magnetic characterisation of the fluorinated compound 15R-BaFeO <sub>2</sub> F. Journal of Solid State Chemistry, 2013, 203, 218-226.	2.9	23
117	The structure of Bi <sub>3</sub> -Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> at 725 Å°C by high-resolution neutron diffraction: implications for bismuth(III)-containing pyrochlores. Journal of the Chemical Society Dalton Transactions, 1997, , 2551-2556.	1.1	22
118	Resonant x-ray Bragg diffraction from orbital moments in vanadium sesquioxide (V <sub>2</sub> O <sub>3</sub> ) and haematite (Fe <sub>2</sub> O <sub>3</sub> ). Journal of Physics Condensed Matter, 2000, 12, L367-L372.	1.8	22
119	Calculated x-ray dichroic signals and resonant Bragg diffraction structure factors for DyB <sub>2</sub> C <sub>2</sub> . Physical Review B, 2001, 64, .	3.2	22
120	Cation ordering in MgTi <sub>2</sub> O <sub>5</sub> (karrooite): Probing temperature dependent effects with neutrons. American Mineralogist, 2007, 92, 1165-1180.	1.9	22
121	Symmetry and strain analysis of structural phase transitions in Pr <sub>3</sub> Fe <sub>4</sub> O <sub>13</sub> . Physical Review B, 2010, 82, .	3.2	22
122	Orbital magnetization of a Mott insulator, V <sub>2</sub> O <sub>3</sub> , revealed by resonant x-ray Bragg diffraction. Physical Review B, 2002, 65, .	3.2	21
123	Rhombohedral to cubic phase transition in the relaxor ferroelectric PZN. Journal of Physics Condensed Matter, 2006, 18, L233-L240.	1.8	21
124	Observation of two spin gap energies in the filled skutterudite compound CeOs <sub>4</sub> Sb <sub>12</sub> . Physical Review B, 2007, 75, .	3.2	21
125	Impact of Jahn-Teller active Mn <sup>3+</sup> on strain effects and phase transitions in Sr <sub>3</sub> Pr <sub>0.48</sub> Co <sub>0.52</sub> Fe <sub>2</sub> O <sub>13</sub> . Physical Review B, 2014, 89, .	3.2	21
126	Cobalt adipate, Co(C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> ): antiferromagnetic structure, unusual thermal expansion and magnetoelastic coupling. Materials Horizons, 2014, 1, 332-337.	12.2	21



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127	Low temperature structural studies of SrSnO <sub>3</sub> . Journal of Physics Condensed Matter, 2015, 27, 365401.	1.8	21
128	Fe-Mn cation ordering in fayalite-tephroite (Fe <sub>x</sub> Mn <sub>1-x</sub> ) <sub>2</sub> SiO <sub>4</sub> olivines: a neutron diffraction study. Mineralogical Magazine, 1998, 62, 607-615.	1.4	20
129	A high temperature structural phase transition in crocoite (PbCrO <sub>4</sub> ) at 1068 K: crystal structure refinement at 1073 K and thermal expansion tensor determination at 1000 K. Mineralogical Magazine, 2000, 64, 291-300.	1.4	20
130	Neutron powder diffraction study of phase transitions in Sr <sub>2</sub> SnO <sub>4</sub> . Journal of Solid State Chemistry, 2004, 177, 4081-4086.	2.9	20
131	Ferroelectric-paraelectric phase transition in the Aurivillius phase Bi <sub>3</sub> Ti <sub>1.5</sub> W <sub>0.5</sub> O <sub>9</sub> : A neutron powder diffraction study. Physical Review B, 2005, 71, .	3.2	20
132	Structures of the cation-deficient perovskite Nd <sub>0.7</sub> Ti <sub>0.9</sub> Al <sub>0.1</sub> O <sub>3</sub> from high-resolution neutron powder diffraction in combination with group-theoretical analysis. Acta Crystallographica Section B: Structural Science, 2006, 62, 60-67.	1.8	20
133	(Ca <sub>0.37</sub> Sr <sub>0.63</sub> )TiO <sub>3</sub> perovskite: an example of an unusual class of tilted perovskites. Journal of Physics Condensed Matter, 2008, 20, 135202.	1.8	20
134	Synchrotron X-ray absorption spectroscopy and X-ray powder diffraction studies of the structure of johnbaumite [Ca <sub>10</sub> (AsO <sub>4</sub> ) <sub>6</sub> (OH,F) <sub>2</sub> ] 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.	1.4	20
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255	Structural Study of the Proton Conductor Cs <sub>3</sub> H(SeO <sub>4</sub> ) <sub>2</sub> by High Resolution Neutron Powder Diffraction. <i>Materials Science Forum</i> , 1998, 278-281, 726-731.	0.3	3
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257	Equation of state and a high-pressure structural phase transition in the gillespite-structured phase Ba <sub>0.5</sub> Sr <sub>0.5</sub> CuSi <sub>4</sub> O <sub>10</sub> . <i>European Journal of Mineralogy</i> , 2014, 25, 909-917.	1.3	3
258	X-ray and neutron powder diffraction analyses of Gly <sub>4</sub> MgSO <sub>4</sub> ·5H <sub>2</sub> O and Gly <sub>4</sub> MgSO <sub>4</sub> ·3H <sub>2</sub> O, and their deuterated counterparts. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 203-216.	0.5	3
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263	High-resolution neutron-diffraction measurements to 8 kbar. <i>High Pressure Research</i> , 2017, 37, 486-494.	1.2	2
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266	Neutron Diffraction Pole-Figure Measurements Using a Pulsed White Beam and the Linear Julios-Detector. <i>Materials Science Forum</i> , 1996, 228-231, 259-264.	0.3	1
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270	Heat Capacity and Neutron Diffraction of Low Doped Fe <sub>3-x</sub> ZnxO <sub>4</sub> . <i>European Physical Journal Special Topics</i> , 1997, 07, C1-591-C1-592.	0.2	1



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