Kevin Knight

List of Publications by Year
in descending order

279 papers	9,385 citations	36303 51 h-index	60623 81 g-index
279 all docs	279 docs citations	279 times ranked	9986 citing authors

#	Article	IF	Citations
1	Crystallographic parameterisation of distortions in the SOD framework in the sodalite and helvine groups: An analysis in condensed normal modes of an aristotype phase. Mineralogical Magazine, 2022, 86, 87-102.	1.4	1
2	Comprehensive determination of the high-pressure structural behaviour of BaTiO₃. Materials Advances, 2021, 2, 6094-6103.	5.4	5
3	Disentangling the phase sequence and correlated critical properties in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mrow><mml:mn>0.2</mml:mn><mml:mn>0.7</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> by structural studies. Physical Review B, 2021, 104, .	3.2	1
4	Crystal and Electronic Structures of A₂NaIO₆ Periodate Double Perovskites (A = Sr, Ca, Ba): Candidate Wasteforms for I-129 Immobilization. Inorganic Chemistry, 2020, 59, 18407-18419.	4.0	13
5	Nuclear and magnetic structures of KMnF3 perovskite in the temperature interval 10ÂKâ€“105ÂK. Journal of Alloys and Compounds, 2020, 842, 155935.	5.5	9
6	Low-temperature thermophysical and crystallographic properties of BaZrO3 perovskite. Journal of Materials Science, 2020, 55, 6417-6428.	3.7	15
7	The thermal expansion properties of halogen bond containing 1,4 dioxane halogen complexes. CrystEngComm, 2019, 21, 5269-5277.	2.6	6
8	Two-dimensional spin liquid behaviour in the triangular-honeycomb antiferromagnet TbInO3. Nature Physics, 2019, 15, 262-268.	16.7	47
9	High-Pressure Study of the Elpasolite Perovskite La₂NiMnO₆. Inorganic Chemistry, 2019, 58, 9016-9027.	4.0	9
10	First-order valence transition: Neutron diffraction, inelastic neutron scattering, and x-ray absorption investigations on the double perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:mrow><mml:mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub>. Physical Review B, 2019, 99, .	3.2	6
11	Crystal structures and electronic properties in 3d transition metal doped SrRuO₃. Dalton Transactions, 2019, 48, 4730-4741.	3.3	10
12	Defining an aristotype crystal structure and crystallographic distortions in leucite/pollucite-structured phases with space group $$Iaoverline {3} d$$ I a 3 Â¯ d. Physics and Chemistry of Minerals, 2019, 46, 595-605.	0.8	4
13	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 126â€¯GPa. Materials Chemistry and Physics, 2019, 227, 72-82.	4.0	4
14	Structure and physical properties of SeCo_{1â^'x}Mn_xO₃. Journal of Physics Condensed Matter, 2019, 31, 395402.	1.8	3
15	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.	5.5	7
16	Investigation of the changes in hydrogen bonding accompanying the structural reorganization at 103â€…K in ammonium iodate. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 152-159.	1.1	1
17	Crystal structures of NiSO4Â·9H2O and NiSO4Â·8H2O: magnetic properties, stability with respect to morenosite (NiSO4Â·7H2O), the solid-solution series (MgxNi1â^'x)SO4Â·9H2O. Physics and Chemistry of Minerals, 2018, 45, 695-712.	0.8	4
18	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.	2.9	6

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19	The crystal structure of lueshite at 298ÂK resolved by high-resolution time-of-flight neutron powder diffraction. Physics and Chemistry of Minerals, 2018, 45, 77-83.	0.8	8
20	Investigation into the dehydration of selenate doped Na2M(SO4)2Â·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.	2.9	20
21	Negative 2D thermal expansion in the halogen bonded acetone bromine complex. CrystEngComm, 2018, 20, 3246-3250.	2.6	8
22	Temperature-induced polymorphism in methyl stearate. CrystEngComm, 2018, 20, 6885-6893.	2.6	9
23	Thermal expansion of deuterated monoclinic natrojarosite; a combined neutronâ€“synchrotron powder diffraction study. Journal of Applied Crystallography, 2017, 50, 340-348.	4.5	1
24	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:m critical spin ladders produced by orbital ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:r Physical Review B, 2017, 95, .	3.2	13
25	High-resolution neutron-diffraction measurements to 8 kbar. High Pressure Research, 2017, 37, 486-494.	1.2	2
26	Cation disorder and phase transitions in the structurally complex solar cell material Cu₂ZnSnS₄. Journal of Materials Chemistry A, 2017, 5, 16672-16680.	10.3	51
27	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.	2.9	8
28	Structural organization in the trimethylamine iodine monochloride complex. CrystEngComm, 2017, 19, 5194-5201.	2.6	6
29	Low-temperature structure and the ferroelectric phase transitions in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CdTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> perovskite. Physical Review B, 2017, 96, .	3.2	12
30	Low temperature, high pressure thermo-physical and crystallographic properties of KZnF3 perovskite. Materials Chemistry and Physics, 2017, 199, 393-407.	4.0	10
31	High-pressure thermoelastic and structural properties of KCaF3 perovskite in the low temperature Pbnm phase. Journal of Alloys and Compounds, 2017, 693, 1305-1314.	5.5	7
32	Phase Transition Behavior of the Layered Perovskite CsBi0.6La0.4Nb2O7: A Hybrid Improper Ferroelectric. Crystals, 2017, 7, 135.	2.2	11
33	Structure, thermal expansion and incompressibility of MgSO₄Â·9H₂O, its relationship to meridianiite (MgSO₄Â·11H₂O) and possible natural occurrences. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 47-64.	1.1	19
34	The impact of room temperature polymorphism in K doped NaTaO3 on structural phase transition behaviour. Journal of Solid State Chemistry, 2016, 238, 109-112.	2.9	8
35	Magnetic and structural phase diagram of the solid solution<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>LaCo</mml:mtext><mml:mi>x</mml:mi> Physical Review B, 2016, 94, .	3.2	20
36	Low temperature and high pressure thermoelastic and crystallographic properties of SrZrO3 perovskite in the Pbnm phase. Solid State Sciences, 2016, 62, 90-104.	3.2	7

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37	Orbital frustration in the S = Â½ kagome magnet vesignieite, BaCu₃V₂O₈(OH)₂. Journal of Materials Chemistry C, 2016, 4, 10315-10322.	5.5	20
38	Low-temperature structural behaviour of LaCoO3 â€“ A high-resolution neutron study. Solid State Sciences, 2016, 57, 38-43.	3.2	12
39	Neutron diffraction and multinuclear solid state NMR investigation into the structures of oxide ion conducting La_{9.6}Si₆O_{26.4} and La₈Sr₂Si₆O₂₆, and their hydrated phases. Dalton Transactions, 2016, 45, 121-133.	3.3	9
40	X-ray and neutron powder diffraction analyses of GlyÂ·MgSO₄Â·5H₂O and GlyÂ·MgSO₄Â·3H₂O, and their deuterated counterparts. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 203-216.	0.5	3
41	Synthesis, structural characterisation and proton conduction of two new hydrated phases of barium ferrite BaFeO_{2.5â^'x}(OH)_{2x}. Journal of Materials Chemistry A, 2016, 4, 3415-3430.	10.3	16
42	Phase separation in NaTaO 3 . Impact of temperature and doping. Solid State Sciences, 2016, 52, 149-153.	3.2	14
43	Does Altaite Exhibit Emphanitic Behavior? A High Resolution Neutron Powder Diffraction Investigation of the Crystallographic and Thermoelastic Properties of PbTe Between 10 and 500 K. Canadian Mineralogist, 2016, 54, 1493-1503.	1.0	2
44	Reply to â€œStructural and magnetic behavior of the cubic oxyfluoride SrFeO2F studied by neutron diffractionâ€• Journal of Solid State Chemistry, 2015, 226, 326-331.	2.9	10
45	Lithium insertion properties of Li TiNb2O7 investigated by neutron diffraction and first-principles modelling. Journal of Solid State Chemistry, 2015, 229, 19-25.	2.9	40
46	Thermoelastic and structural properties of ionically conducting cerate perovskites: (II) SrCeO₃ between 1273 K and 1723 K. Dalton Transactions, 2015, 44, 10773-10784.	3.3	7
47	Thermal evolution of the crystal structure of the orthorhombic perovskite LaFeO3. Journal of Solid State Chemistry, 2015, 230, 337-342.	2.9	39
48	Structural and dielectric studies of the phase behaviour of the topological ferroelectric La_{1â^'x}Nd_xTaO₄. Dalton Transactions, 2015, 44, 10673-10680.	3.3	31
49	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.	1.3	7
50	Low temperature thermoelastic properties of galena in a simple, self-consistent, two-term Debye model. Physics and Chemistry of Minerals, 2015, 42, 235-242.	0.8	5
51	Phase coexistence in NaTaO3 at room temperature; a high resolution neutron powder diffraction study. Solid State Sciences, 2015, 43, 15-21.	3.2	20
52	New insights into the phase diagram of a magnetic perovskite, LaCo_{1/3}Mn_{2/3}O₃. Journal of Physics Condensed Matter, 2015, 27, 165401.	1.8	4
53	Low temperature structural studies of SrSnO₃. Journal of Physics Condensed Matter, 2015, 27, 365401.	1.8	21
54	High-temperature structural phase transitions in neighborite: a high-resolution neutron powder diffraction investigation. Physics and Chemistry of Minerals, 2015, 42, 45-52.	0.8	9

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55	A high-resolution neutron powder diffraction investigation of galena (PbS) between 10â€‰K and 350â€‰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	16
56	Time-of-flight neutron powder diffraction with milligram samples: the crystal structures of NaCoF₃and NaNiF₃post-perovskites. Journal of Applied Crystallography, 2014, 47, 1939-1947.	4.5	6
57	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.	1.9	10
58	Substitution of Ti3+ and Ti4+ in hibonite (CaAl12O19). American Mineralogist, 2014, 99, 1369-1382.	1.9	35
59	Observations on the crystal structures of lueshite. Physics and Chemistry of Minerals, 2014, 41, 393-401.	0.8	11
60	Introducing a Large Polar Tetragonal Distortion into Ba-Doped BiFeO₃ by Low-Temperature Fluorination. Inorganic Chemistry, 2014, 53, 12572-12583.	4.0	29
61	Cobalt adipate, Co(C₆H₈O₄): antiferromagnetic structure, unusual thermal expansion and magnetoelastic coupling. Materials Horizons, 2014, 1, 332-337.	12.2	21
62	Colossal thermal expansion and negative thermal expansion in simple halogen bonded complexes. CrystEngComm, 2014, 16, 237-243.	2.6	36
63	Tuning the giant magnetoelastic transition in Ba₃BiIr₂O₉ and Ba₃BiRu₂O₉. Journal of Physics Condensed Matter, 2014, 26, 276003.	1.8	8
64	A high-pressure neutron diffraction study of the ferroelastic phase transition in RbCaF3. Physics and Chemistry of Minerals, 2014, 41, 461-472.	0.8	11
65	From Spin Glass to Quantum Spin Liquid Ground States in Molybdate Pyrochlores. Physical Review Letters, 2014, 113, 117201.	7.8	49
66	Crystallographic and Magnetic Structure of the Perovskite-Type Compound BaFeO_{2.5}: Unrivaled Complexity in Oxygen Vacancy Ordering. Inorganic Chemistry, 2014, 53, 5911-5921.	4.0	44
67	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.	1.3	3
68	The temperatureâ€“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
69	A neutron diffraction study and mode analysis of compounds of the system La1â^'xSrxFeO3â^'xFx (x=1,) Tj ETQq1 1 0.784314 rgBT /O 206, 158-169.	2.9	36
70	The competition between halogen bonds (Brâ‹¯O) and Câ€“Hâ‹¯O hydrogen bonds: the structure of the acetoneâ€“bromine complex revisited. CrystEngComm, 2013, 15, 8572.	2.6	17
71	High-temperature phases of manganese oil and [illegible] xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub></mml:math>Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow>	3.2	4
72	Synthesis, structural and magnetic characterisation of the fluorinated compound 15R-BaFeO2F. Journal of Solid State Chemistry, 2013, 203, 218-226.	2.9	23

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73	High-temperature orderâ€“disorder transitions in the skutterudites CoGe1.5Q1.5 (Q=S, Te). Journal of Solid State Chemistry, 2013, 198, 525-531.	2.9	7
74	Thermally Robust Anion-Chain Order in Oxynitride Perovskites. Chemistry of Materials, 2013, 25, 5004-5011.	6.7	68
75	Facile proton conduction in H+/Li+ ion-exchanged garnet-type fast Li-ion conducting Li5La3Nb2O12. Journal of Materials Chemistry A, 2013, 1, 13469.	10.3	57
76	Synthesis, conductivity and structural aspects of Nd3Zr2Li7â^'3xAlxO12. Journal of Materials Chemistry A, 2013, 1, 14013.	10.3	25
77	Neutron diffraction in situ monitoring of the dislocation density during martensitic transformation in a stainless steel. Scripta Materialia, 2013, 68, 506-509.	5.2	77
78	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.	2.7	20
79	Magnetoelastic coupling and competing entropy changes in substituted CoMnSi metamagnets. Physical Review B, 2013, 87, .	3.2	36
80	On the soft magnetic properties of the compounds of the series NaxMn4.5â^'x/2(VO4)3 and the magnetic structure of h.t.-Mn3(VO4)2 (x = 1). Dalton Transactions, 2013, 42, 7894.	3.3	4
81	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
82	Monitoring in situ stress/strain behaviour during plastic yielding in polymineralic rocks using neutron diffraction. Journal of Structural Geology, 2013, 47, 36-51.	2.3	5
83	Ferroelectricity and lattice distortion associated with spin orderings in a multiferroic delafossite AgFeO₂. EPJ Web of Conferences, 2013, 40, 15008.	0.3	7
84	Combined neutron and X-ray diffraction determination of disorder in doped zirconolite-2M. American Mineralogist, 2012, 97, 291-298.	1.9	28
85	Pressure-dependent spin fluctuations and magnetic structure in the topologically frustrated spin glass alloy Y(Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	3.2	5
86	Crystal structures, strain analysis, and physical properties of Sr0.7Ce0.3MnO3. Physical Review B, 2012, 85, .	3.2	14
87	Impact of Jahn-Teller active Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>on strain effects and phase transitions in Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.65</mml:mn></mml:mrow></mml:msub></mml:math>Pr<mml:math xmlns:mml	3.2	21
88	Effect of Ga incorporation on the structure and Li ion conductivity of La3Zr2Li7O12. Dalton Transactions, 2012, 41, 12048.	3.3	96
89	Giant Magnetoelastic Effect at the Opening of a Spin-Gap in Ba₃BiIr₂O₉. Journal of the American Chemical Society, 2012, 134, 3265-3270.	13.7	39
90	Synthesis, characterization and physical properties of the skutterudites YbxFe2Ni2Sb12 (0â‰¤xâ‰¤0.4). Journal of Solid State Chemistry, 2012, 193, 36-41.	2.9	18

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91	Low temperature thermoelastic and structural properties of LaGaO3 perovskite in the Pbnm phase. Journal of Solid State Chemistry, 2012, 194, 286-296.	2.9	18
92	Spiral-Spin-Driven Ferroelectricity in a Multiferroic Delafossite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>AgFeO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 109, 097203.	7.8	57
93	Acentric magnetic and optical properties of chalcopyrite (CuFeS2). Journal of Physics Condensed Matter, 2012, 24, 216001.	1.8	14
94	Negative Linear Compressibility and Massive Anisotropic Thermal Expansion in Methanol Monohydrate. Science, 2011, 331, 742-746.	12.6	219
95	Structural and thermoelastic properties of CaTiO3 perovskite between 7K and 400K. Journal of Alloys and Compounds, 2011, 509, 6337-6345.	5.5	27
96	THE LOW-TEMPERATURE AND HIGH-PRESSURE THERMOELASTIC AND STRUCTURAL PROPERTIES OF CHALCOPYRITE, CuFeS2. Canadian Mineralogist, 2011, 49, 1015-1034.	1.0	36
97	Structural and thermoelastic study of the protonic conducting perovskite SrCe0.95Yb0.05OÎ¾ (Î¾â€‰â^¼â€‰3) between 373 K and 1273 K. Journal of Electroceramics, 2011, 27, 143-153.	2.0	9
98	Thermoelastic properties and crystal structure of CaPtO₃post-perovskite from 0 to 9â€…GPa and from 2Âto 973â€…K. Journal of Applied Crystallography, 2011, 44, 999-1016.	4.5	10
99	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.	1.0	18
100	High-temperature phase transitions of hexagonal YMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2011, 83, .	3.2	184
101	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.	0.8	38
102	The Î²â€toâ€Î³ Transition in BiFeO₃: A Powder Neutron Diffraction Study. Advanced Functional Materials, 2010, 20, 2116-2123.	14.9	90
103	The crystal structure of perdeuterated methanol hemiammoniate (CD₃ODÂ·0.5ND₃) determined from neutron powder diffraction data at 4.2 and 180â€…K. Journal of Applied Crystallography, 2010, 43, 328-336.	4.5	8
104	Polysomatic apatites. Acta Crystallographica Section B: Structural Science, 2010, 66, 1-16.	1.8	30
105	Revision of the structure of Cs₂CuSi₅O₁₂ leucite as orthorhombic Pbca. Acta Crystallographica Section B: Structural Science, 2010, 66, 51-59.	1.8	20
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	Experimental evidence of anapolar moments in the antiferromagnetic insulating phase of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>V</mml:mtext><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mte from x-ray resonant Bragg diffraction. Physical Review B, 2010, 81, .	3.2	35
108	Symmetry and strain analysis of structural phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Pr</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.48</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Physical Review B, 2010, 82, .	3.2	22

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109	Structural variations in the wesselsiteeffenbergerite (Sr1xBaxCuSi4O10) solid solution. European Journal of Mineralogy, 2010, 22, 411-423.	1.3	14
110	X-ray absorption and neutron diffraction studies of (Sr_{1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (â˜'x}Ce<sub> static Jahnâ€"Teller distortions. Journal of Physics Condensed Matter, 2010, 22, 445401.	1.8	10
111	Giant Magnetoelastic Coupling in a Metallic Helical Metamagnet. Physical Review Letters, 2010, 104, 247202.	7.8	84
112	Zigzag ladders with staggered magnetic chirality in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mstyle scriptlevel="1"><mml:mfrac bevelled="false"><mml:mn>3</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mstyle></mml:mrow></mml:math>compound<mr	3.2	44
113	The Polar Phase of NaNbO₃: A Combined Study by Powder Diffraction, Solid-State NMR, and First-Principles Calculations. Journal of the American Chemical Society, 2010, 132, 8732-8746.	13.7	178
114	Combined experimental and modelling studies of proton conducting La1â˜'xBa1+xGaO4â˜'x/2: proton location and dopant site selectivity. Journal of Materials Chemistry, 2010, 20, 10412.	6.7	12
115	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.	1.0	8
116	Ambi-site substitution of Mn in lanthanum germanate apatites. Materials Research Bulletin, 2009, 44, 1806-1809.	5.2	16
117	The thermal expansion and crystal structure of mirabilite (Na2SO4Â·10D2O) from 4.2 to 300ÂK, determined by time-of-flight neutron powder diffraction. Physics and Chemistry of Minerals, 2009, 36, 29-46.	0.8	42
118	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
119	The crystal structure of perdeuterated methanol monoammoniate (CD₃ODÂ·ND₃) determined from neutron powder diffraction data at 4.2 and 180â€...K. Journal of Applied Crystallography, 2009, 42, 1054-1061.	4.5	11
120	Structure, crystal chemistry and thermal evolution of the Î´-Bi2O3-related phase Bi9ReO17. Journal of Solid State Chemistry, 2009, 182, 2468-2474.	2.9	8
121	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.	1.4	20
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