Andrew Goodwin

List of Publications by Year
in descending order

154 papers	9,439 citations	44069 48 h-index	40979 93 g-index
175 all docs	175 docs citations	175 times ranked	8550 citing authors

#	Article	IF	Citations
1	Colossal Positive and Negative Thermal Expansion in the Framework Material Ag ₃ [Co(CN) ₆]. Science, 2008, 319, 794-797.	12.6	575
2	Correlated defect nanoregions in a metalâ€“organic framework. Nature Communications, 2014, 5, 4176.	12.8	550
3	<i>PASCal</i>: a principal axis strain calculator for thermal expansion and compressibility determination. Journal of Applied Crystallography, 2012, 45, 1321-1329.	4.5	433
4	RMCProfile: reverse Monte Carlo for polycrystalline materials. Journal of Physics Condensed Matter, 2007, 19, 335218.	1.8	351
5	Negative thermal expansion and low-frequency modes in cyanide-bridged framework materials. Physical Review B, 2005, 71, .	3.2	312
6	The crystallography of correlated disorder. Nature, 2015, 521, 303-309.	27.8	262
7	Structure and Properties of an Amorphous Metal-Organic Framework. Physical Review Letters, 2010, 104, 115503.	7.8	246
8	Metalâ€“Organic Nanosheets Formed via Defect-Mediated Transformation of a Hafnium Metalâ€“Organic Framework. Journal of the American Chemical Society, 2017, 139, 5397-5404.	13.7	224
9	Large negative linear compressibility of Ag ₃ [Co(CN) ₆]. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18708-18713.	7.1	220
10	Giant negative linear compressibility in zincÂdicyanoaurate. Nature Materials, 2013, 12, 212-216.	27.5	217
11	Guest-Dependent Negative Thermal Expansion in Nanoporous Prussian Blue Analogues MIIPtIV(CN)6Â·x{H2O} (0 â‰ x â‰ 2; M = Zn, Cd). Journal of the American Chemical Society, 2005, 127, 17980-17981.	13.7	215
12	Negative linear compressibility. Physical Chemistry Chemical Physics, 2015, 17, 20449-20465.	2.8	204
13	Hidden diversity of vacancy networks in Prussian blue analogues. Nature, 2020, 578, 256-260.	27.8	190
14	Nanoporosity and Exceptional Negative Thermal Expansion in Singleâ€Network Cadmium Cyanide. Angewandte Chemie - International Edition, 2008, 47, 1396-1399.	13.8	167
15	Negative Thermal Expansion inZrW2O8: Mechanisms, Rigid Unit Modes, and Neutron Total Scattering. Physical Review Letters, 2005, 95, 255501.	7.8	164
16	Nanoporous Structure and Medium-Range Order in Synthetic Amorphous Calcium Carbonate. Chemistry of Materials, 2010, 22, 3197-3205.	6.7	160
17	Defects and disorder in metal organic frameworks. Dalton Transactions, 2016, 45, 4113-4126.	3.3	159
18	Thermal Amorphization of Zeolitic Imidazolate Frameworks. Angewandte Chemie - International Edition, 2011, 50, 3067-3071.	13.8	146

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19	Supramolecular mechanics in a metalâ€“organic framework. Chemical Science, 2012, 3, 3011.	7.4	144
20	Amorphization of the prototypical zeolitic imidazolate framework ZIF-8 by ball-milling. Chemical Communications, 2012, 48, 7805.	4.1	137
21	Defect-dependent colossal negative thermal expansion in UiO-66(Hf) metalâ€“organic framework. Physical Chemistry Chemical Physics, 2015, 17, 11586-11592.	2.8	127
22	Applications of pair distribution function methods to contemporary problems in materials chemistry. Journal of Materials Chemistry, 2011, 21, 6464.	6.7	124
23	Rational Design of Materials with Extreme Negative Compressibility: Selective Soft-Mode Frustration in KMn[Ag(CN)₂]₃. Journal of the American Chemical Society, 2012, 134, 4454-4456.	13.7	124
24	Structural disorder in molecular framework materials. Chemical Society Reviews, 2013, 42, 4881.	38.1	123
25	Emergence of Long-Range Order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BaTiO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn … Local Symmetry-Breaking Distortions. Physical Review Letters, 2016, 116, 207602.	7.8	114
26	Revisiting metal fluorides as lithium-ion battery cathodes. Nature Materials, 2021, 20, 841-850.	27.5	109
27	Zero Thermal Expansion in a Flexible, Stable Framework: Tetramethylammonium Copper(I) Zinc(II) Cyanide. Journal of the American Chemical Society, 2010, 132, 10-11.	13.7	104
28	Thermal Expansion Matching via Framework Flexibility in Zinc Dicyanometallates. Journal of the American Chemical Society, 2009, 131, 6334-6335.	13.7	101
29	Structure Determination of Disordered Materials from Diffraction Data. Physical Review Letters, 2010, 104, 125501.	7.8	97
30	Designing disorder into crystalline materials. Nature Reviews Chemistry, 2020, 4, 657-673.	30.2	93
31	Recipes for improper ferroelectricity in molecular perovskites. Nature Communications, 2018, 9, 2380.	12.8	93
32	Homologous Critical Behavior in the Molecular Frameworks Zn(CN)₂ and Cd(imidazolate)₂. Journal of the American Chemical Society, 2013, 135, 7610-7620.	13.7	85
33	Hidden order in spin-liquid Gd ₃ Ga ₅ O ₁₂. Science, 2015, 350, 179-181.	12.6	85
34	Argentophilicity-Dependent Colossal Thermal Expansion in Extended Prussian Blue Analogues. Journal of the American Chemical Society, 2008, 130, 9660-9661.	13.7	82
35	Compositional dependence of anomalous thermal expansion in perovskite-like ABX₃formates. Dalton Transactions, 2016, 45, 4169-4178.	3.3	78
36	Dicyanometallates as Model Extended Frameworks. Journal of the American Chemical Society, 2016, 138, 5886-5896.	13.7	76

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37	Magnetic Structure of MnO at 10Â K from Total Neutron Scattering Data. Physical Review Letters, 2006, 96, 047209.	7.8	74
38	Negative area compressibility in silver(<scp>i</scp>) tricyanomethanide. Chemical Communications, 2014, 50, 5264-5266.	4.1	73
39	How to quantify isotropic negative thermal expansion: magnitude, range, or both?. Materials Horizons, 2019, 6, 211-218.	12.2	68
40	Structural Description of Pressure-Induced Amorphization inZrW2O8. Physical Review Letters, 2007, 98, 225501.	7.8	65
41	Rigid unit modes and intrinsic flexibility in linearly bridged framework structures. Physical Review B, 2006, 74, .	3.2	62
42	Acoustic phonons and negative thermal expansion in MOF-5. Physical Chemistry Chemical Physics, 2014, 16, 21144-21152.	2.8	61
43	Geometric switching of linear to area negative thermal expansion in uniaxial metalâ€“organic frameworks. CrystEngComm, 2014, 16, 3498-3506.	2.6	57
44	spinvert: a program for refinement of paramagnetic diffuse scattering data. Journal of Physics Condensed Matter, 2013, 25, 454220.	1.8	55
45	Metalâ€“organic frameworks under pressure. Journal of Applied Physics, 2019, 126, .	2.5	54
46	Adaptive response of a metalâ€“organic framework through reversible disorderâ€“disorder transitions. Nature Chemistry, 2021, 13, 568-574.	13.6	53
47	Empirical Magnetic Structure Solution of Frustrated Spin Systems. Physical Review Letters, 2012, 108, 017204.	7.8	52
48	Columnar shifts as symmetry-breaking degrees of freedom in molecular perovskites. Physical Chemistry Chemical Physics, 2016, 18, 31881-31894.	2.8	52
49	Design of crystal-like aperiodic solids with selective disorderâ€“phonon coupling. Nature Communications, 2016, 7, 10445.	12.8	48
50	Control of Metalâ€“Organic Framework Crystallization by Metastable Intermediate Preâ€equilibrium Species. Angewandte Chemie - International Edition, 2019, 58, 566-571.	13.8	47
51	Ferroelectric nanoscale domains and the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>905</mml:mn><mml:mspace width="0.3em" /><mml:mi mathvariant="normal">K</mml:mi></mml:mrow></mml:math>phase transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Sr</mml:mi><mml:mi mathvariant="normal">Sn</mml:mi><mml:msub><mml:mi	3.2	44
52	The same and not the same: molecular perovskites and their solid-state analogues. Materials Horizons, 2017, 4, 362-366.	12.2	44
53	Structural complexity in Prussian blue analogues. Materials Horizons, 2021, 8, 3178-3186.	12.2	44
54	Perspectives for next generation lithium-ion battery cathode materials. APL Materials, 2021, 9, .	5.1	44

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55	Emergent Frustration in Co-doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-Mn. Physical Review Letters, 2013, 110, 267207.	7.8	42
56	A Breathing Zirconium Metalâ€"Organic Framework with Reversible Loss of Crystallinity by Correlated Nanodomain Formation. Chemistry - A European Journal, 2016, 22, 3264-3267.	3.3	41
57	Mn(I) in an Extended Oxide: The Synthesis and Characterization of La_{1â€"<i>x</i>}Ca_{<i>x</i>}MnO_{2+Î´}(0.6 â‰<i>x</i>â‰ 1). Journal of the American Chemical Society, 2011, 133, 18397-18405.	13.7	40
58	Structural characterisation of a layered double hydroxide nanosheet. Nanoscale, 2014, 6, 8032-8036.	5.6	39
59	Reversible piezochromism in a molecular wine-rack. Chemical Communications, 2015, 51, 10608-10611.	4.1	36
60	Glass formation <i>via</i> structural fragmentation of a 2D coordination network. Chemical Communications, 2015, 51, 12728-12731.	4.1	36
61	Control of Multipolar and Orbital Order in Perovskite-like [C(NH₂)₃]Cu_{<i>x</i>}Cd_{1â€"<i>x</i>}(HCOO)₃ Metalâ€"Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 9393-9396.	13.7	36
62	Compositional inhomogeneity and tuneable thermal expansion in mixed-metal ZIF-8 analogues. Chemical Communications, 2018, 54, 9651-9654.	4.1	35
63	Local structure in Ag₃[Co(CN)₆]: colossal thermal expansion, rigid unit modes and argentophilic interactions. Journal of Physics Condensed Matter, 2008, 20, 255225.	1.8	34
64	Statics and dynamics of the highly correlated spin ice Ho<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Ge<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	3.2	34
65	Framework flexibility and the negative thermal expansion mechanism of copper(I) oxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml mathvariant="normal">O</mml:mi></mml:math>. Physical Review B, 2014, 89, .	3.2	34
66	A comparison of the amorphization of zeolitic imidazolate frameworks (ZIFs) and aluminosilicate zeolites by ball-milling. Dalton Transactions, 2016, 45, 4258-4268.	3.3	34
67	Orbital Dimer Model for the Spin-Glass State in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow><mml mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mro. Physical Review Letters, 2017, 118, 067201.	7.8	34
68	Structural characterisation of amorphous solid dispersions <i>via</i> metropolis matrix factorisation of pair distribution function data. Chemical Communications, 2019, 55, 13346-13349.	4.1	33
69	Model-independent extraction of dynamical information from powder diffraction data. Physical Review B, 2005, 72, .	3.2	32
70	Spin correlations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Ca</mml:mi><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml	3.2	31
71	High-pressure behaviour of Prussian blue analogues: interplay of hydration, Jahn-Teller distortions and vacancies. Dalton Transactions, 2019, 48, 1647-1655.	3.3	31
72	Aperiodicity, structure, and dynamics inNi(CN)2. Physical Review B, 2009, 80, .	3.2	30

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73	Guest-Activated Forbidden Tilts in a Molecular Perovskite Analogue. Journal of the American Chemical Society, 2016, 138, 11121-11123.	13.7	30
74	Mesoscale Polarization by Geometric Frustration in Columnar Supramolecular Crystals. Angewandte Chemie - International Edition, 2017, 56, 4432-4437.	13.8	30
75	Opportunities and challenges in understanding complex functional materials. Nature Communications, 2019, 10, 4461.	12.8	30
76	Packing down. Nature Materials, 2010, 9, 7-8.	27.5	29
77	Charge-ice dynamics in the negative thermal expansion material Cd(CN)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 86, .	3.2	29
78	Metalâ€Organic Frameworks as Catalyst Supports: Influence of Lattice Disorder on Metal Nanoparticle Formation. Chemistry - A European Journal, 2018, 24, 7498-7506.	3.3	29
79	Hybrid Perovskites, Metalâ€"Organic Frameworks, and Beyond: Unconventional Degrees of Freedom in Molecular Frameworks. Accounts of Chemical Research, 2021, 54, 1288-1297.	15.6	29
80	Phonons from Powder Diffraction: A Quantitative Model-Independent Evaluation. Physical Review Letters, 2004, 93, 075502.	7.8	28
81	Flexibility of zeolitic imidazolate framework structures studied by neutron total scattering and the reverse Monte Carlo method. Journal of Physics Condensed Matter, 2013, 25, 395403.	1.8	28
82	Nanocomposite structure of two-line ferrihydrite powder from total scattering. Communications Chemistry, 2020, 3, .	4.5	28
83	Temperature-dependent pressure-induced softening in Zn(CN)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	3.2	27
84	Non-equilibrium metal oxides via reconversion chemistry in lithium-ion batteries. Nature Communications, 2021, 12, 561.	12.8	27
85	Encoding complexity within supramolecular analogues of frustrated magnets. Nature Chemistry, 2016, 8, 442-447.	13.6	26
86	Crystallography with powders. Nature Materials, 2014, 13, 760-762.	27.5	24
87	Flexibility transition and guest-driven reconstruction in a ferroelastic metalâ€"organic framework. CrystEngComm, 2015, 17, 361-369.	2.6	24
88	Origin of the colossal positive and negative thermal expansion in Ag3[Co(CN)6]: anab initiodensity functional theory study. Journal of Physics Condensed Matter, 2008, 20, 255226.	1.8	23
89	Structural distortions in the high-pressure polar phases of ammonium metal formates. CrystEngComm, 2016, 18, 8849-8857.	2.6	22
90	Local structure study of the orbital order/disorder transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaMnO</mml:mi><mml:mn>3</mml:mn></mml:msub></ Physical Review B, 2017, 95, .	3.2	22

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91	Negative Hydration Expansion in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>ZrW</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:msub></mml:mrow></mml: : Microscopic Mechanism, Spaghetti Dynamics, and Negative Thermal Expansion. Physical Review Letters, 2018, 120, 265501.	7.8	21
92	Ordered B-Site Vacancies in an ABX₃ Formate Perovskite. Journal of the American Chemical Society, 2019, 141, 17978-17982.	13.7	21
93	One-dimensional magnetic order in the metal-organic framework <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Tb</mml:mi><mml:mo Physical Review B, 2016, 94, .	3.2	20
94	Structural simplicity as a restraint on the structure of amorphous silicon. Physical Review B, 2017, 95, .	3.2	18
95	Real-space refinement of single-crystal electron diffuse scattering and its application to Bi₂Ru₂O_{7â^'Î´}. Journal of Physics Condensed Matter, 2007, 19, 335216.	1.8	17
96	Diffraction study of pressure-amorphized ZrW<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>8</mml:mn></mml:mro	3.2	17
97	Vibrational and Thermal Properties of Ag₃[Co(CN)₆] from First-Principles Calculations and Infrared Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 12848-12857.	3.1	17
98	Phonon broadening from supercell lattice dynamics: Random and correlated disorder. Physica Status Solidi (B): Basic Research, 2017, 254, 1600586.	1.5	17
99	Anharmonicity and scissoring modes in the negative thermal expansion materials <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ScF</mml:mi><mml:mn>3</mml:mn></mml:msub></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaZrF</mml:mi><mml:mn>6</mml:mn></mml:msub>< Physical Review B, 2020, 101, .	3.2	17
100	Magnetic structure of paramagnetic MnO. Physical Review B, 2018, 97, .	3.2	16
101	The hydrogen-bonding transition and isotope-dependent negative thermal expansion in H₃Co(CN)₆. Journal of Physics Condensed Matter, 2010, 22, 404202.	1.8	15
102	Filling vacancies in a Prussian blue analogue using mechanochemical post-synthetic modification. Chemical Communications, 2020, 56, 7873-7876.	4.1	15
103	Correlated disorder in metalâ€"organic frameworks. CrystEngComm, 2021, 23, 2915-2922.	2.6	15
104	Mechanisms for collective inversion-symmetry breaking in dabconium perovskite ferroelectrics. Journal of Materials Chemistry C, 2021, 9, 2706-2711.	5.5	14
105	MnOspin-wave dispersion curves from neutron powder diffraction. Physical Review B, 2007, 75, .	3.2	13
106	The ins and outs of thermal expansion. Nature Nanotechnology, 2008, 3, 711-712.	31.5	13
107	Anomalous thermal expansion, negative linear compressibility, and high-pressure phase transition in ZnAu2(CN)4 : Neutron inelastic scattering and lattice dynamics studies. Physical Review B, 2017, 96, .	3.2	13
108	Ferroic multipolar order and disorder in cyanoelpasolite molecular perovskites. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180219.	3.4	13

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109	Understanding the geometric diversity of inorganic and hybrid frameworks through structural coarse-graining. Chemical Science, 2020, 11, 12580-12587.	7.4	13
110	Single-step synthesis and interface tuning of coreâ€“shell metalâ€“organic framework nanoparticles. Chemical Science, 2021, 12, 4494-4502.	7.4	11
111	Negative X-ray expansion in cadmium cyanide. Materials Horizons, 2021, 8, 1446-1453.	12.2	11
112	Visualization and Quantification of Geometric Diversity in Metalâ€“Organic Frameworks. Chemistry of Materials, 0, , .	6.7	11
113	Cation substitution and strain screening in framework structures: The role of rigid unit modes. Chemical Geology, 2006, 225, 213-221.	3.3	10
114	Static disorder and local structure in zinc(II) isonicotinate, a quartzlike metalâ€“organic framework. Zeitschrift FÃ¼r Kristallographie, 2012, 227, 313-320.	1.1	10
115	Local structure correlations in plastic cyclohexaneâ€"a reverse Monte Carlo study. Journal of Physics Condensed Matter, 2013, 25, 454204.	1.8	10
116	Polarisation auf der Mesoskala durch geometrische Frustration in kolumnaren supramolekularen Kristallen. Angewandte Chemie, 2017, 129, 4502-4508.	2.0	10
117	Compositional nanodomain formation in hybrid formate perovskites. Chemical Communications, 2017, 53, 11233-11236.	4.1	10
118	Extracting interface correlations from the pair distribution function of composite materials. Nanoscale, 2021, 13, 13220-13224.	5.6	10
119	Suppressed-moment 2-k order in the canonical frustrated antiferromagnet Gd2Ti2O7. Npj Quantum Materials, 2021, 6, .	5.2	10
120	Geometric Frustration on the Trillium Lattice in a Magnetic Metal-Organic Framework. Physical Review Letters, 2022, 128, 177201.	7.8	10
121	Uncovering the Interplay of Competing Distortions in the Prussian Blue Analogue K₂Cu[Fe(CN)₆]. Chemistry of Materials, 2022, 34, 5000-5008.	6.7	10
122	Coupling of the local defect and magnetic structure of wÃ¼stite Fe1â^'xO. Physical Review B, 2013, 88, .	3.2	9
123	Anomalous Thermal Expansion and Luminescence Thermochromism in Silver(I) Dicyanamide. European Journal of Inorganic Chemistry, 2016, 2016, 4378-4381.	2.0	9
124	Exploration of antiferromagnetic CoO and NiO using reverse Monte Carlo total neutron scattering refinements. Physica Scripta, 2016, 91, 114004.	2.5	9
125	Synthesis, PtS-type structure, and anomalous mechanics of the Cd(CN)₂ precursor Cd(NH₃)₂[Cd(CN)₄]. Dalton Transactions, 2018, 47, 7263-7271.	3.3	9
126	Function from configurational degeneracy in disordered framework materials. Faraday Discussions, 2021, 225, 241-254.	3.2	9

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127	eScience for molecular-scale simulations and the <i>e</i> Minerals project. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 967-985.	3.4	8
128	Quantification of local geometry and local symmetry in models of disordered materials. Physica Status Solidi (B): Basic Research, 2013, 250, 949-956.	1.5	7
129	Spin-ice physics in cadmium cyanide. Nature Communications, 2021, 12, 2272.	12.8	7
130	The crystallography of flexibility: Local structure and dynamics in framework materials. Zeitschrift FÃ¼r Kristallographie, Supplement, 2009, 2009, 1-11.	0.5	6
131	Zero-strain reductive intercalation in a molecular framework. CrystEngComm, 2015, 17, 2925-2928.	2.6	6
132	Lithiation phase behaviors of metal oxide anodes and extra capacities. Cell Reports Physical Science, 2021, 2, 100543.	5.6	6
133	Reverse Monte Carlo study of Cuâ€"O bond distortions in YBa2Cu3O6.9. Zeitschrift FÃ¼r Kristallographie, 2012, 227, 280-287.	1.1	5
134	Structural investigation of a hydrogen bond orderâ€"disorder transition in a polar one-dimensional confined ice. Physical Chemistry Chemical Physics, 2014, 16, 2654.	2.8	5
135	Incommensurate Chirality Density Wave Transition in a Hybrid Molecular Framework. Physical Review Letters, 2017, 119, 115501.	7.8	5
136	Ring structure of selected two-dimensional procrystalline lattices. Physical Review E, 2020, 102, 062308.	2.1	5
137	Effect of Extra-Framework Cations on Negative Linear Compressibility and High-Pressure Phase Transitions: A Study of KCd[Ag(CN)₂]₃. Journal of Physical Chemistry C, 2020, 124, 6896-6906.	3.1	5
138	Recovering local structure information from high-pressure total scattering experiments. Journal of Applied Crystallography, 2021, 54, 1546-1554.	4.5	5
139	Nanostructure determination from the pair distribution function: a parametric study of the INVERT approach. Journal of Physics Condensed Matter, 2013, 25, 454218.	1.8	4
140	Large elastic recovery of zinc dicyanoaurate. APL Materials, 2017, 5, 066107.	5.1	4
141	Polymethylaluminoxane organic frameworks (sMAOF) â€" highly active supports for slurry phase ethylene polymerisation. Catalysis Science and Technology, 2021, 11, 5472-5483.	4.1	4
142	Magnetic structure and exchange interactions in the Heisenberg pyrochlore antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Gd</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Pt</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review B, 2022, 105, .	3.2	4
143	Dynamics from diffraction. Physica B: Condensed Matter, 2006, 385-386, 285-287.	2.7	3
144	Control of Metalâ€"Organic Framework Crystallization by Metastable Intermediate Preâ€equilibrium Species. Angewandte Chemie, 2019, 131, 576-581.	2.0	3

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145	Short-range cation and spin ordering in the relaxor ferromagnet La3Ni2SbO9 studied by polarized-neutron scattering and Monte-Carlo methods. Journal of Solid State Chemistry, 2019, 278, 120920.	2.9	3
146	Spatial uniformity as a principle for determination of atomistic structural models. Modelling and Simulation in Materials Science and Engineering, 2011, 19, 035010.	2.0	2
147	Hybrid local-order mechanism for inversion symmetry breaking. Physical Review B, 2018, 97, .	3.2	2
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