Garry J Mcintyre

List of Publications by Year
in descending order

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213 papers	6,561 citations	70961 41 h-index	91712 69 g-index
220 all docs	220 docs citations	220 times ranked	7178 citing authors

#	Article	IF	Citations
1	Î²â€Diketiminateâ€Stabilized Magnesium(I) Dimers and Magnesium(II) Hydride Complexes: Synthesis, Characterization, Adduct Formation, and Reactivity Studies. Chemistry - A European Journal, 2010, 16, 938-955.	1.7	387
2	Integration of single-crystal reflections using area multidetectors. Journal of Applied Crystallography, 1988, 21, 471-478.	1.9	219
3	Polarized-Neutron Scattering Study of the Cooper-Pair Moment inSr2RuO4. Physical Review Letters, 2000, 85, 5412-5415.	2.9	213
4	Ferroelectric Order of Parallel Bistable Hydrogen Bonds. Physical Review Letters, 2002, 89, 215507.	2.9	213
5	Magnetic structure of the quasi-two-dimensional antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>NiPS</mml:mtext><mml:mn>3</mml:mn> Physical Review B, 2015, 92, .	1.1	166
6	Crystal Engineering and Correspondence between Molecular and Crystal Structures. Are 2- and 3-Aminophenols Anomalous?. Journal of the American Chemical Society, 1997, 119, 3477-3480.	6.6	146
7	Determination of the hydrogen absorption sites in Zn4O(1,4-benzenedicarboxylate) by single crystal neutron diffraction. Chemical Communications, 2006, , 278-280.	2.2	132
8	Incommensurate antiferromagnetic order in the quantum chain compound LiCuVO4. Physica B: Condensed Matter, 2004, 350, E253-E256.	1.3	127
9	Magnetic structure and magnon dynamics of the quasi-two-dimensional antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>FePS</mml:mi><mml:mn>3</mml:mn> Physical Review B, 2016, 94, .	1.1	127
10	Accurate Molecular Structures of 16-Electron Rhodium Hydrido Boryl Complexes:Â Low-Temperature Single-Crystal X-ray and Neutron Diffraction and Computational Studies of [(PR3)2RhHCl(Boryl)] (Boryl = Bpin, Bcat). Organometallics, 2003, 22, 4557-4568.	1.1	102
11	Magnetic structure and magnetocalorics of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>GdPO</mml:mi><mml:mn>4</mml:mn> Physical Review B, 2014, 90, .	1.1	100
12	The antiferromagnetic structures of IrMn3 and their influence on exchange-bias. Scientific Reports, 2013, 3, 2412.	1.6	98
13	Hydrogen-Bonded Polyrotaxane-like Structure Containing Cyclic (H2O)4 in [Zn(OAc)2(?-bpe)]?2 H2O: X-ray and Neutron Diffraction Studies. Chemistry - A European Journal, 2004, 10, 5853-5859.	1.7	96
14	Variable-temperature neutron diffraction studies of the short, strong N...O hydrogen bonds in the 1:2 co-crystal of benzene-1,2,4,5-tetracarboxylic acid and 4,4'-bipyridyl. Acta Crystallographica Section B: Structural Science, 2003, 59, 794-801.	1.8	82
15	Neutron and X-ray Diffraction and Spectroscopic Investigations of Intramolecular [Cï£¿Hâ‹…â‹…â‹…Fï£¿C] Contacts in Post-Metallocene Polyolefin Catalysts: Modeling Weak Attractive Polymerâ€“Ligand Interactions. Chemistry - A European Journal, 2006, 12, 2607-2619.	1.7	82
16	The magnetic properties and structure of the quasi-two-dimensional antiferromagnet CoPS₃. Journal of Physics Condensed Matter, 2017, 29, 455801.	0.7	81
17	The crystal structure of tetragonal KH2PO4and KD2PO4as a function of temperature and pressure. Journal of Physics C: Solid State Physics, 1982, 15, 37-58.	1.5	78
18	Magnetic ordering of the antiferromagnetCu2MnSnS4from magnetization and neutron-scattering measurements. Physical Review B, 1997, 56, 5424-5431.	1.1	76

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19	Paraelectric and ferroelectric phases of betaine phosphite: Structural, thermodynamic, and dielectric properties. Ferroelectrics, 1993, 138, 1-10.	0.3	73
20	Single-crystal and powder neutron diffraction experiments on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Fe</mml:mi><mml:mi mathvariant="normal">P</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>: Search for the magnetic structure. Physical Review B, 2007, 76, .	1.1	73
21	VIVALDIâ€"A thermal-neutron laue diffractometer for physics, chemistry and materials science. Neutron News, 2002, 13, 37-41.	0.1	72
22	Molecular heterometallic hydride clusters composed of rare-earth and d-transition metals. Nature Chemistry, 2011, 3, 814-820.	6.6	66
23	Cooperative Hydrogen-Bonding Effects in a Water Square:Â A Single-Crystal Neutron and Partial Atomic Charges and Hardness Analysis Study. Journal of the American Chemical Society, 2005, 127, 11063-11074.	6.6	64
24	Hidden Degrees of Freedom in Aperiodic Materials. Science, 2008, 319, 69-71.	6.0	63
25	High-speed neutron Laue diffraction comes of age. Physica B: Condensed Matter, 2006, 385-386, 1055-1058.	1.3	62
26	Scrutinizing negative thermal expansion in MOF-5 by scattering techniques and ab initio calculations. Dalton Transactions, 2013, 42, 1996-2007.	1.6	59
27	Experimental and Theoretical Charge Density Study of Polymorphic Isonicotinamideâ^'Oxalic Acid Molecular Complexes with Strong OÂ·Â·Â·HÂ·Â·Â·N Hydrogen Bonds. Journal of Physical Chemistry A, 2009, 113, 13985-13997.	1.1	54
28	Variable-temperature neutron diffraction studies of the short, strong hydrogen bonds in the crystal structure of pyridine-3,5-dicarboxylic acid. Acta Crystallographica Section B: Structural Science, 2005, 61, 724-730.	1.8	53
29	Study of ethanol-lysozyme interactions using neutron diffraction. Biochemistry, 1985, 24, 5862-5869.	1.2	52
30	New Insights into an Old Molecule: Interaction Energies of Theophylline Crystal Forms. Crystal Growth and Design, 2012, 12, 1395-1401.	1.4	51
31	Reentrant behavior of the charge and orbital ordering and antiferromagnetism inLaSr2Mn2O7. Physical Review B, 2000, 61, 570-574.	1.1	48
32	The magnetic structure of holmium. II. Journal of Physics C: Solid State Physics, 1988, 21, 4125-4141.	1.5	47
33	Neutron Diffraction Studies on a 4-Coordinate Hydrogen Atom in an Yttrium Cluster. Journal of the American Chemical Society, 2008, 130, 3888-3891.	6.6	47
34	On the use of a small two-dimensional position-sensitive detector in neutron diffraction. Journal of Applied Crystallography, 1989, 22, 562-568.	1.9	46
35	Experimental and theoretical characterization of the Znâ€"Zn bond in [Zn₂(Î·⁵-C₅Me₅)₂]. Acta Crystallographica Section B: Structural Science, 2007, 63, 862-868.	1.8	46
36	The magnetic structures and transitions of a potential multiferroic orthoferrite ErFeO₃. Journal of Applied Physics, 2015, 117, 164105.	1.1	45

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37	Hâ^'X Bond Activation via Hydrogen Transfer to Hydride in Ruthenium N-Heterocyclic Carbene Complexes:Â Density Functional and Synthetic Studies. Organometallics, 2006, 25, 99-110.	1.1	44
38	The Structure of Nitromalonamide:Â A Combined Neutron-Diffraction and Computational Study of a Very Short Hydrogen Bond. Journal of Physical Chemistry A, 1999, 103, 8684-8690.	1.1	43
39	The Formation of Defectâ€Pairs for Highly Efficient Visibleâ€Light Catalysts. Advanced Materials, 2017, 29, 1605123.	11.1	43
40	Influence of hydrogen bonding on the second harmonic generation effect: neutron diffraction study of 4-nitro-4â€²-methylbenzylidene aniline. Acta Crystallographica Section B: Structural Science, 2001, 57, 410-414.	1.8	42
41	Neutron Diffraction Investigations of Magnetism in BiFeO₃ Epitaxial Films. Advanced Functional Materials, 2011, 21, 1567-1574.	7.8	42
42	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.	2.9	42
43	Glass and phase transitions in (KBr)1â^'x(KCN)x. Physical Review B, 1988, 37, 389-398.	1.1	41
44	Magnetic Excitations of CsMn(SO4)2Â·12D2O, Measured by Inelastic Neutron Scattering. Journal of the American Chemical Society, 2001, 123, 3377-3378.	6.6	41
45	Charge-density study of the nonlinear optical precursor DED-TCNQ at 20 K. Physical Review B, 2002, 65,	1.1	41
46	Spin dynamics and magnetoelectric coupling mechanism of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	1.1	41
47	Evidence for a devilâ€™s staircase in holmium produced by an applied magnetic field. Physical Review Letters, 1991, 66, 1521-1524.	2.9	40
48	Magnetic structure of Gd-Y single-crystal alloys from neutron diffraction and magnetization measurements. Physical Review Letters, 1985, 55, 2968-2971.	2.9	39
49	Neutron scattering investigation of the static critical properties of Rb2CrCl4. Journal of Physics Condensed Matter, 1993, 5, 7871-7892.	0.7	39
50	Structure and Bonding of the Vanadium(III) Hexa-Aqua Cation. 1. Experimental Characterization and Ligand-Field Analysis. Inorganic Chemistry, 2004, 43, 8049-8060.	1.9	38
51	Antiferromagnetic phase transition and spin correlations in NiO. Physical Review B, 2009, 79, .	1.1	38
52	Minerals in cement chemistry: A single-crystal neutron diffraction and Raman spectroscopic study of thaumasite, Ca3Si(OH)6(CO3)(SO4){middle dot}12H2O. American Mineralogist, 2012, 97, 1060-1069.	0.9	37
53	New Apatiteâ€Type Oxide Ion Conductor, Bi₂La₈[(GeO₄)₆]O₃: Structure, Properties, and Direct Imaging of Lowâ€Level Interstitial Oxygen Atoms Using Aberrationâ€Corrected Scanning Transmission Electron Microscopy. Advanced Functional Materials, 2017, 27, 1605625.	7.8	37
54	Long-Range Ferromagnetism ofMn12Acetate Single-Molecule Magnets under a Transverse Magnetic Field. Physical Review Letters, 2005, 95, 227202.	2.9	36

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55	Proton Disorder in NHÂ·Â·Â·N Bonded [dabcoH]⁺I^{â^'} Relaxor: New Insights into H-Disordering in a One-Dimensional H₂O Ice Analogue. Crystal Growth and Design, 2010, 10, 4334-4338.	1.4	36
56	Simultaneous variation of multipole parameters and Gramâ€“Charlier coefficients in a charge-density study of tetrafluoroterephthalonitrile based on X-ray and neutron data. Acta Crystallographica Section A: Foundations and Advances, 2003, 59, 540-550.	0.3	35
57	Electronic and Molecular Structure of High-Spin d4 Complexes:â€‰ Experimental and Theoretical Study of the [Cr(D2O)6]2+ Cation in Tutton's Salts. Journal of the American Chemical Society, 2004, 126, 16639-16652.	6.6	35
58	Domain and crystal structure of superconductingBa2YCu3O8â^'Î´at 40 and 100 K by single-crystal neutron diffraction. Physical Review B, 1988, 37, 5148-5157.	1.1	34
59	Neutron Laue diffraction on the spin crossover crystal[Fe(1â^'nâ^'propyltetrazole)6](BF4)2showing continuous photoinduced transformation. Physical Review B, 2006, 73, .	1.1	34
60	On the crystal structure and crystal chemistry of pollucite, (Cs,Na)16Al16Si32O96{middle dot}nH2O: A natural microporous material of interest in nuclear technology. American Mineralogist, 2009, 94, 1560-1568.	0.9	34
61	CYCLOPS â€“ a reciprocal-space explorer based on CCD neutron detectors. Journal of Applied Crystallography, 2011, 44, 392-397.	1.9	34
62	X-ray and neutron diffraction studies of the non-linear optical compounds MBANP and MBADNP at 20â€…K: charge-density and hydrogen-bonding analyses. Acta Crystallographica Section B: Structural Science, 2002, 58, 690-700.	1.8	33
63	YCa₃(VO)₃(BO₃)₄: A KagomÃ© Compound Based on Vanadium(III) with a Highly Frustrated Ground State. Chemistry of Materials, 2011, 23, 1315-1322.	3.2	33
64	Aqua Ions. 2. Structural Manifestations of the Jahnâ^'Teller Effect in the Î²-Alums. Inorganic Chemistry, 2003, 42, 1350-1365.	1.9	32
65	First accurate location of two proton sites in tourmaline: A single-crystal neutron diffraction study of oxy-dravite. Mineralogical Magazine, 2014, 78, 681-692.	0.6	32
66	Neutron scattering from mixtures of isotopically labelled molecules. A new method for determining the orientational distribution function in liquid crystals. Liquid Crystals, 1990, 7, 701-719.	0.9	31
67	Temperature-induced phase transitions in the giant-piezoelectric-effect material PZN-4.5%PT. Journal of Physics Condensed Matter, 2001, 13, L825-L833.	0.7	31
68	Uranium and Thorium Hydride Complexes as Multielectron Reductants: A Combined Neutron Diffraction and Quantum Chemical Study. Inorganic Chemistry, 2012, 51, 3613-3624.	1.9	31
69	Single-crystal neutron-diffraction study of a structural phase transitioninduced by a magnetic field inLa1â^'xSrxMnO3. Physical Review B, 1997, 55, R8622-R8625.	1.1	30
70	Octahedral cation ordering in olivine at high temperature. I: in situ neutron single-crystal diffraction studies on natural mantle olivines (Fa12 and Fa10). Physics and Chemistry of Minerals, 2000, 27, 623-629.	0.3	30
71	Tuning Proton Disorder in 3,5-Dinitrobenzoic Acid Dimers: the Effect of Local Environment. Crystal Growth and Design, 2013, 13, 497-509.	1.4	30
72	K-edge resonant x-ray magnetic scattering fromRbMnF3. Physical Review B, 1999, 60, 10170-10179.	1.1	29

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73	On the Nature of the Spin Frustration in the CuO₂ Ribbon Chains of LiCuVO₄: Crystal Structure Determination at 1.6 K, Magnetic Susceptibility Analysis, and Density Functional Evaluation of the Spin Exchange Constants. Inorganic Chemistry, 2011, 50, 3582-3588.	1.9	29
74	â€œGlass-likeâ€•thermal conductivity gradually induced in thermoelectric Sr8Ga16Ge30 clathrate by off-centered guest atoms. Journal of Applied Physics, 2016, 119, 185102.	1.1	29
75	Direct Location of the Hydrido Ligands in the Dianion[H4Os10(CO)24]2â^' by a Neutron Diffraction Study of Its[(Ph3P)2N]+ Salt at 20 K. Angewandte Chemie International Edition in English, 1991, 30, 1164-1167.	4.4	28
76	A (3 + 3)-Dimensional â€œHypercubicâ€•Oxide-Ionic Conductor: Type II Bi₂O₃â€“Nb₂O₅. Journal of the American Chemical Society, 2013, 135, 6477-6484.	6.6	28
77	Neutron-diffraction study of the metamagnetic phases inHoNi2B2C. Physical Review B, 2000, 61, 5872-5875.	1.1	27
78	Field-driven magnetisation steps in Ca ₃ Co ₂ O ₆ : A single-crystal neutron-diffraction study. Europhysics Letters, 2010, 90, 67006.	0.7	27
79	Temperature-pressure phase diagram of an aperiodic host guest compound. Europhysics Letters, 2011, 93, 16003.	0.7	27
80	Engineering short, strong hydrogen bonds in urea di-carboxylic acid complexes. CrystEngComm, 2014, 16, 8177-8184.	1.3	27
81	The Low-Barrier Hydrogen Bond of Deuterated Benzoylacetone Probed by Very Low Temperature Neutron and X-ray Diffraction Studies and Theoretical Calculations. Chemistry - A European Journal, 2007, 13, 5539-5547.	1.7	26
82	Magnetic properties of tapiolite (FeTa2O6); a quasi two-dimensional (2D) antiferromagnet. Journal of Physics Condensed Matter, 2004, 16, 7837-7852.	0.7	25
83	A Neutron Diffraction Study of [OsClH3(PPh3)3]: A Complex Containing a Highly â€œStretchedâ€• Dihydrogen Ligand. Angewandte Chemie - International Edition, 2005, 44, 7227-7230.	7.2	25
84	Spin gaps and magnetic structure ofNaxCoO2. Physical Review B, 2006, 73, .	1.1	25
85	Use of a miniature diamond-anvil cell in high-pressure single-crystal neutron Laue diffraction. IUCrJ, 2016, 3, 168-179.	1.0	25
86	Cooperative Jahn-Teller distortion inPrO2. Physical Review B, 2004, 70, .	1.1	24
87	Understanding magnetic interactions in the seriesA2FeX5â‹…H2O(A=K, Rb;X=Cl, Br). II. Inelastic neutron scattering and DFT studies. Physical Review B, 2008, 78, .	1.1	24
88	The Magnetic Structure of Holmium in an Easy-Axis Magnetic Field. Europhysics Letters, 1992, 17, 553-558.	0.7	23
89	Low-energy magnetic excitations in double-layered manganite La 1.2 Sr 1.8 Mn 2 O 7. Europhysics Letters, 1999, 46, 801-807.	0.7	23
90	Hydride Encapsulation by a Molecular Main-Group-Metal Cluster:Â Single-Crystal Neutron Diffraction Structure of [{Ph(2-C5H4N)N}6HLi8]+. Organometallics, 2004, 23, 4527-4530.	1.1	23

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91	Neutron Diffraction Study of [H4Co4(C5Me4Et)4], a Tetrahedral Metal Cluster Complex with Four Face-Bridging Hydride Ligands. Inorganic Chemistry, 2004, 43, 555-558.	1.9	22
92	Synthesis and X-ray and Neutron Structures of Zr{(Î¼-H)2BC8H14}4. Inorganic Chemistry, 2005, 44, 2459-2464.	1.9	22
93	Hydrogen-bond and cation partitioning in muscovite: A single-crystal neutron-diffraction study at 295 and 20 K. American Mineralogist, 2011, 96, 34-41.	0.9	22
94	A general Lorentz correction for single-crystal diffractometers. Acta Crystallographica Section A: Foundations and Advances, 1988, 44, 257-262.	0.3	21
95	A single-crystal neutron diffraction study of the magnetization density in Fe2Zr. Journal of Physics Condensed Matter, 1992, 4, 5795-5800.	0.7	21
96	Comparison of the Ïƒ(I)/Iand Least-Squares Methods for Integration of Bragg Reflections. Journal of Applied Crystallography, 1997, 30, 133-137.	1.9	21
97	Rapid neutron-diffraction data collection for hydrogen-bonding studies: application of the Laue diffractometer (LADI) to the case study zinc (tris)thiourea sulfate. Acta Crystallographica Section A: Foundations and Advances, 2001, 57, 429-434.	0.3	21
98	One picture says it allâ€"high-pressure cells for neutron Laue diffraction on VIVALDI. Journal of Physics Condensed Matter, 2005, 17, S3017-S3024.	0.7	21
99	Spectroscopic, Magnetochemical, and Crystallographic Study of Cesium Iron Phosphate Hexahydrate:â€‰ Characterization of the Electronic Structure of the Iron(II) Hexa-aqua Cation in a Quasicubic Environment. Inorganic Chemistry, 2006, 45, 4695-4705.	1.9	21
100	A non-topological mechanism for negative linear compressibility. Chemical Communications, 2016, 52, 7486-7489.	2.2	21
101	U(As1â^'xSex)solid solutions.â€ƒI.â€ƒResonant x-ray and neutron scattering study of the magnetic phase diagram. Physical Review B, 2001, 63, .	1.1	20
102	Understanding magnetic interactions in the series<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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109	A neutron diffraction study of the superionic transition in withx= 0.06. Journal of Physics Condensed Matter, 1997, 9, 845-857.	0.7	18
110	Spin-density distribution in the new molecular magnet p-O2NÂ·C6F4Â·CNSSN. Physica B: Condensed Matter, 2003, 335, 1-5.	1.3	18
111	Field induced magnetic order in the frustrated magnet gadolinium gallium garnet. Journal of Physics: Conference Series, 2009, 145, 012026.	0.3	18
112	Giant Deuteron Migration During the Isosymmetric Phase Transition in Deuterated 3,5â€Pyridinedicarboxylic Acid. Chemistry - A European Journal, 2011, 17, 14942-14951.	1.7	18
113	Long-Range-Ordered Coexistence of 4-, 5-, and 6-Coordinate Niobium in the Mixed Ionic-Electronic Conductor Î³-Ba₄Nb₂O₉. Chemistry of Materials, 2013, 25, 3154-3161.	3.2	18
114	Insights into the Crystallisation Process from Anhydrous, Hydrated and Solvated Crystal Forms of Diatrizoic Acid. Chemistry - A European Journal, 2015, 21, 1036-1047.	1.7	18
115	On the magnetic phase diagram of erbium in a c axis magnetic field. Journal of Physics Condensed Matter, 1992, 4, 8599-8608.	0.7	17
116	Neutron Laue diffraction study of the complex low-temperature magnetic behaviour of brownmillerite-type Ca₂Fe₂O₅. Journal of Applied Crystallography, 2015, 48, 273-279.	1.9	17
117	Susceptible Ferroelectric/Antiferroelectric Phase Transition near the Surface of Nb-Doped Lead Zirconate Stannate Titanate from Surface Processing. ACS Applied Materials & Interfaces, 2016, 8, 14313-14317.	4.0	17
118	Elastic and quasielastic neutron scattering studies in KBr:KCN mixed crystals. European Physical Journal B, 1989, 75, 81-99.	0.6	16
119	Neutron diffraction studies of nuclear and magnetic structures in theS=1âˆ•2square Heisenberg antiferromagnets(d6âˆ’5CAP)2CuX4(X=BrandCl). Physical Review B, 2007, 75, .	1.1	16
120	Spin density studies on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:msub><mml:mrow><mml:mtext>-O</mml:mtext></mml:mrow><mml:mn>2 A heavy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></m. Physical Review B, 2010, 81, .	1.1	16
121	Dominance of Charge-Assisted Hydrogen Bonding on Short Contacts and Structures that Crystallize withZâ€² > 1. Crystal Growth and Design, 2011, 11, 4904-4919.	1.4	16
122	Proton Cascade in a Molecular Solid: H/D Exchange on Mobile and Immobile Water. Angewandte Chemie - International Edition, 2013, 52, 13463-13467.	7.2	16
123	Engineering Short, Strong, Charge-Assisted Hydrogen Bonds in Benzoic Acid Dimers through Cocrystallization with Proton Sponge. Crystal Growth and Design, 2016, 16, 2112-2122.	1.4	16
124	Manipulation of planar oxygen defect arrangements in multifunctional magnÃ¨li titanium oxide hybrid systems: from energy conversion to water treatment. Energy and Environmental Science, 2020, 13, 5080-5096.	15.6	15
125	Effect of High Pressure on the Crystal Structures of Polymorphs of <scp>l</scp>-Histidine. Crystal Growth and Design, 2020, 20, 7788-7804.	1.4	15
126	Bonding-deformation and superposition effects in the electron density of tetragonal nickel sulfate hexadeuterate NiSO4.6D2O. Acta Crystallographica Section B: Structural Science, 1990, 46, 27-39.	1.8	14

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127	Low-Temperature Single-Crystal Raman and Neutron-Diffraction Study of the Hydrogenous Ammonium Copper(II) Tutton Salt and the Deuterated Analogue in the Metastable State. Inorganic Chemistry, 2003, 42, 8524-8533.	1.9	14
128	Perpendicular Antiferromagnetic Ordering of Mn and Exchange Anisotropy in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Fe</mml:mi><mml:mo>/</mml:mo><mml:mi>Mn</mml:mi></mml:math>Multilayers. Physical Review Letters, 2007, 99, 037204.	2.9	14
129	Ab initio study of the magnetic behavior of four dithiadiazolyl radical compounds. Polyhedron, 2005, 24, 2579-2583.	1.0	13
130	Propagation of magnetic and superconducting order in Gd/La superlattices. Journal of Physics Condensed Matter, 2005, 17, 3305-3315.	0.7	13
131	Light-induced phase separation (LIPS) into like-spin phases observed by Laue neutron diffraction on a single crystal of [Fe(ptz)6](BF4)2. Zeitschrift FÃ¼r Kristallographie, 2008, 223, .	1.1	13
132	The space between: Neutron diffraction studies reveal multiple hydrogen atom coordination numbers in an anionic dysprosium hydride cluster. Inorganica Chimica Acta, 2010, 363, 562-566.	1.2	13
133	On the crystal chemistry of londonite [(Cs,K,Rb)Al4Be5B11O28]: A single-crystal neutron diffraction study at 300 and 20 K. American Mineralogist, 2010, 95, 1467-1472.	0.9	13
134	A single-crystal neutron diffraction study of hambergite, Be2BO3(OH,F). American Mineralogist, 2012, 97, 1891-1897.	0.9	13
135	Polarized neutron Laue diffraction on a crystal containing dynamically polarized proton spins. Journal of Applied Crystallography, 2013, 46, 30-34.	1.9	13
136	A neutron diffraction study of the initial ordering regime in Gd-Y alloys. Journal of Physics F: Metal Physics, 1987, 17, 1973-1982.	1.6	12
137	Bonding deformation and superposition in the electron density of tetragonal NiSO4.6H2O at 25 K. Acta Crystallographica Section B: Structural Science, 1993, 49, 192-201.	1.8	12
138	Fine-tuning of the spin-density-wave state in Cr/V heterostructures via hydrogen uptake. Journal of Physics Condensed Matter, 2009, 21, 336004.	0.7	12
139	Neutron Diffraction Characterization of Câ€“HÂ·Â·Â·Li Interactions in a Lithium Aluminate Polymer. Organometallics, 2014, 33, 3919-3923.	1.1	12
140	Accurate hydrogen parameters for the amino acid<scp>L</scp>-leucine. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 885-892.	0.5	12
141	The Magnetic Structure of Gd-Sc Alloys. Europhysics Letters, 1988, 6, 725-730.	0.7	11
142	Single-crystal neutron-diffraction study of the orientational glass state of (NaCN)1âˆ'x(KCN)x. Physical Review B, 1990, 42, 3711-3718.	1.1	11
143	Multiple Î±-agostic interactions in a metalâ€“methyl complex: the neutron structure of [Mo(NC6H3Pri2-2,6)2Me2]. Chemical Communications, 1998, , 1829-1830.	2.2	11
144	Onset of spin-density-wave antiferromagnetism inCrâˆ•Vmultilayers. Physical Review B, 2007, 76, .	1.1	11

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