

# Richard M Ibberson

## List of Publications by Year in descending order

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116  
papers

5,648  
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87888

38  
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73  
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docs citations

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times ranked

6045  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection of silicon photomultipliers for a ${}^6\text{LiF:ZnS(Ag)}$ scintillator based cold neutron detector. <i>Journal of Physics Communications</i> , 2018, 2, 045009.	1.2	8
2	Optimization of ${}^6\text{LiF:ZnS(Ag)}$ scintillator light yield using GEANT4. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 892, 59-69.	1.6	20
3	Spin glass behavior in frustrated quantum spin system $\text{CuAl}_2\text{O}_4$ with a possible orbital liquid state. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 13LT01.	1.8	27
4	The effect of temperature and pressure on the crystal structure of piperidine. <i>Chemistry Central Journal</i> , 2015, 9, 18.	2.6	17
5	Experimental characterization of the Advanced Liquid Hydrogen Cold Neutron Source spectrum of the NBSR reactor at the NIST Center for Neutron Research. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 792, 15-27.	1.6	7
6	Polychromatic energy-dispersive neutron diffraction at a continuous source. <i>Journal of Applied Crystallography</i> , 2013, 46, 1347-1352.	4.5	5
7	Does the modulated magnetic structure of $\text{BiFeO}_3$ change at low temperatures?. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 279501.	1.8	3
8	Structure determination of $\text{La}_6\text{W}_2\text{O}_{15}$ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 1297-1302.	2.9	19
9	A novel isomorphic phase transition in $\text{KOs}_2\text{O}_6$ : a study using high resolution neutron powder diffraction. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 015403.	1.8	9
10	Isotopic Polymorphism in Pyridine. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 755-757.	13.8	81
11	Structure and Phase Behavior of the Expanded $\text{Li}(\text{ND}_3)_4$ . <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1435-1438.	13.8	18
12	Design and performance of the new supermirror guide on HRPD at ISIS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 47-49.	1.6	64
13	Ab-initio structure determination of $\text{La}_2\text{WO}_6$ . <i>Journal of Solid State Chemistry</i> , 2009, 182, 209-214.	2.9	26
14	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
15	Accurate molecular structures of chlorothiazide and hydrochlorothiazide by joint refinement against powder neutron and X-ray diffraction data. <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 101-107.	1.8	15
16	Solid-state structures of the covalent hydrides germane and stannane. <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 312-317.	1.8	14
17	Polymorphism in cyclohexanol. <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 573-582.	1.8	32
18	<i>ExtSym</i> : a program to aid space-group determination from powder diffraction data. <i>Journal of Applied Crystallography</i> , 2008, 41, 1177-1181.	4.5	27

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19	Is Deuterium Always Smaller than Protium?. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4208-4210.	13.8	66
20	Structural origins of the differing grain conductivity values in BaZr <sub>0.9</sub> Y <sub>0.1</sub> O <sub>2.95</sub> and indication of novel approach to counter defect association. <i>Journal of Materials Chemistry</i> , 2008, 18, 3414.	6.7	88
21	Structure and superconductivity of LiFeAs. <i>Chemical Communications</i> , 2008, , 5918.	4.1	278
22	Solid Phases of Cyclopentane: Combined Experimental and Simulation Study. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3746-3758.	2.6	39
23	Alloxan—a new low-temperature phase determined by neutron powder diffraction. <i>CrystEngComm</i> , 2008, 10, 465.	2.6	11
24	Crystal Structures and Glassy Phase Transition Behavior of Cyclohexene. <i>Crystal Growth and Design</i> , 2008, 8, 512-518.	3.0	20
25	Charge disproportionation and collinear magnetic order in the frustrated triangular antiferromagnet $\text{AgNiO}_2$ . <i>Physical Review B</i> , 2008, 77, .	3.2	35
26	Temperature-dependent crystal structure analysis of methyl iodide by high-resolution neutron powder diffraction. <i>Zeitschrift für Kristallographie</i> , 2007, 222, 416-419.	1.1	6
27	Processing control of phase separation, cation ordering, and the dielectric properties of Ba <sub>3</sub> (Co <sub>0.6</sub> Zn <sub>0.4</sub> )Nb <sub>2</sub> O <sub>9</sub> . <i>Applied Physics Letters</i> , 2007, 91, 142906.	3.3	11
28	Orbital Degeneracy Removed by Charge Order in Triangular Antiferromagnet $\text{AgNiO}_2$ . <i>Physical Review Letters</i> , 2007, 99, 157204.	7.8	58
29	Charge Ordering as Alternative to Jahn-Teller Distortion. <i>Physical Review Letters</i> , 2007, 98, .	7.8	241
30	High-Temperature Processing of Ba <sub>3</sub> ZnTa <sub>2</sub> O <sub>9</sub> : an In situ Study Using Synchrotron X-ray Powder Diffraction. <i>Chemistry of Materials</i> , 2007, 19, 4731-4740.	6.7	15
31	Oxygen Vacancy Ordering Phenomena in the Mixed-Conducting Hexagonal Perovskite Ba <sub>7</sub> Y <sub>2</sub> Mn <sub>3</sub> Ti <sub>2</sub> O <sub>20</sub> . <i>Chemistry of Materials</i> , 2007, 19, 2884-2893.	6.7	36
32	Cation ordering/disordering kinetics in Ba <sub>3</sub> CoNb <sub>2</sub> O <sub>9</sub> : An in situ study using synchrotron x-ray powder diffraction. <i>Applied Physics Letters</i> , 2007, 91, 222901.	3.3	15
33	Tetragonal superstructure and thermal history of Li <sub>0.3</sub> La <sub>0.567</sub> TiO <sub>3</sub> (LLTO) solid electrolyte by neutron diffraction. <i>Journal of Materials Chemistry</i> , 2007, 17, 1300.	6.7	48
34	Neutron powder diffraction study of perdeuterodimethyl sulfone. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, o292-o294.	0.4	4
35	Crystal structure, microwave dielectric properties and AC conductivity of B-cation deficient hexagonal perovskites La <sub>5</sub> M <sub>x</sub> Ti <sub>4</sub> O <sub>15</sub> (x = 0.5, 1; M = Zn, Mg, Ga, Al). <i>Journal of Materials Chemistry</i> , 2006, 16, 1038.	6.7	43
36	Neutron Diffraction Studies of U <sub>4</sub> O <sub>9</sub> : Comparison with EXAFS Results. <i>Inorganic Chemistry</i> , 2006, 45, 8408-8413.	4.0	37

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37	New 10-Layer Hexagonal Perovskites: Relationship between Cation and Vacancy Ordering and Microwave Dielectric Loss. <i>Chemistry of Materials</i> , 2006, 18, 6227-6238.	6.7	28
38	Single-crystal X-ray and neutron powder diffraction investigation of the phase transition in tetrachlorobenzene. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 287-295.	1.8	21
39	Structure determination and phase transition behaviour of dimethyl sulfate. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 280-286.	1.8	5
40	Structure of Ce <sub>2</sub> RhIn <sub>8</sub> : an example of complementary use of high-resolution neutron powder diffraction and reciprocal-space mapping to study complex materials. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 173-189.	1.8	30
41	The low-temperature phase III structure and phase transition behaviour of cyclohexanone. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 592-598.	1.8	8
42	Order-disorder transition in monoclinic sulfur: a precise structural study by high-resolution neutron powder diffraction. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 953-959.	1.8	14
43	In Situ Neutron and X-Ray Powder Diffraction Study of Cation Ordering and Domain Growth in the Dielectric Ceramic Ba <sub>3</sub> ZnTa <sub>2</sub> O <sub>9</sub> -Sr <sub>2</sub> GaTaO <sub>6</sub> . <i>Journal of the American Ceramic Society</i> , 2006, 89, 1827-1833.	3.8	6
44	Spin gap in Tl <sub>2</sub> Ru <sub>2</sub> O <sub>7</sub> and the possible formation of Haldane chains in three-dimensional crystals. <i>Nature Materials</i> , 2006, 5, 471-476.	27.5	109
45	The crystal structures and phase behaviour of cyclohexene oxide. <i>Chemical Physics Letters</i> , 2006, 423, 454-458.	2.6	5
46	Does the modulated magnetic structure of BiFeO <sub>3</sub> change at low temperatures?. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 2069-2075.	1.8	61
47	Charge ordering in Ag <sub>2</sub> BiO <sub>3</sub> . <i>Solid State Sciences</i> , 2006, 8, 267-276.	3.2	9
48	A neutron powder diffraction study of Fe and Ni distributions in synthetic pentlandite and violarite using <sup>60</sup> Ni isotope. <i>American Mineralogist</i> , 2006, 91, 1442-1447.	1.9	23
49	Neutron powder diffraction. , 2006, , 88-97.		2
50	Ba <sub>8</sub> CoNb <sub>6</sub> O <sub>24</sub> : A d <sub>0</sub> Dielectric Oxide Host Containing Ordered d <sub>7</sub> Cation Layers 1.88 nm Apart. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7733-7736.	13.8	33
51	Neutron powder diffraction studies of dimethyl sulfoxide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o571-o573.	0.4	7
52	Probing the vortex state of PrRu <sub>4</sub> Sb <sub>12</sub> through muon spin rotation and relaxation. <i>Physical Review B</i> , 2005, 72, .	3.2	24
53	Variable temperature neutron powder diffraction study to determine the magnetic interactions in Sr <sub>2</sub> LnRuO <sub>6</sub> (Ln = Ho and Tb). <i>Journal of Physics Condensed Matter</i> , 2004, 16, 7611-7624.	1.8	17
54	Extensive lithium disorder in Li <sub>1.5</sub> Fe <sub>0.5</sub> Ti <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> Nasicon by neutron diffraction, and the Li <sub>1+x</sub> FexTi <sub>2-2x</sub> (PO <sub>4</sub> ) <sub>3</sub> phase diagram. <i>Journal of Materials Chemistry</i> , 2004, 14, 835-839.	6.7	50

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55	Ordering and Disorder of the Hydronium Ion and Low-Temperature Phase Transition of (H <sub>3</sub> O)Zr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> NASICON by Neutron Diffraction. ChemInform, 2003, 34, no.	0.0	0
56	Ordering and quality factor in 0.95BaZn <sub>1/3</sub> Ta <sub>2/3</sub> O <sub>3</sub> –0.05SrGa <sub>1/2</sub> Ta <sub>1/2</sub> O <sub>3</sub> production resonators. Journal of the European Ceramic Society, 2003, 23, 3021-3034.	5.7	42
57	Cuboctahedral oxygen clusters in U <sub>3</sub> O <sub>7</sub> . Journal of Nuclear Materials, 2003, 322, 87-89.	2.7	48
58	In Situ Measurement of Cation Order and Domain Growth in an Electroceramic. Chemistry of Materials, 2003, 15, 2527-2533.	6.7	32
59	Cation Ordering, Domain Growth, and Zinc Loss in the Microwave Dielectric Oxide Ba <sub>3</sub> ZnTa <sub>2</sub> O <sub>9</sub> . Chemistry of Materials, 2003, 15, 586-597.	6.7	85
60	In situ neutron diffraction studies of single crystals and powders during microwave irradiation. Faraday Discussions, 2003, 122, 363-379.	3.2	34
61	The crystal structure of methane phase III. Journal of Chemical Physics, 2003, 119, 1586-1589.	3.0	51
62	Ba <sub>8</sub> ZnTa <sub>6</sub> O <sub>24</sub> : a high-Q microwave dielectric from a potentially diverse homologous series. Applied Physics Letters, 2003, 82, 4537-4539.	3.3	68
63	Deprotonation and order-disorder reactions as a function of temperature in a phengite 3T (Cima Pal, Tj ETQq1 1 0.784314 rgBT /Over 2003, 15, 357-363.	1.3	14
64	The crystal structure of $\gamma$ -phase p-dichlorobenzene at low temperature and high pressure by high-resolution neutron powder diffraction. Journal of Physics Condensed Matter, 2002, 14, 7287-7295.	1.8	2
65	Evaluation of a position sensitive neutron detector based on Li <sub>6</sub> Gd(BO <sub>3</sub> ) <sub>3</sub> scintillator. , 2002, , .		6
66	Structural Characterization of the Redox Behavior in Copper-Exchanged Sodium Zeolite Y by High-Resolution Powder Neutron Diffraction. Chemistry of Materials, 2002, 14, 590-602.	6.7	74
67	Ordering and Disorder of the Hydronium Ion and Low-Temperature Phase Transition of (H <sub>3</sub> O)Zr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> NASICON by Neutron Diffraction. Journal of Physical Chemistry B, 2002, 106, 11916-11921.	2.6	15
68	The Crystal Structures of the Binary Mixed Valence Compound Bi(III) <sub>3</sub> Bi(V) <sub>7</sub> O <sub>7</sub> and Isotypic Bi <sub>3</sub> Sb <sub>7</sub> O <sub>7</sub> as Determined by High Resolution X-Ray and Neutron Powder Diffraction. Journal of Solid State Chemistry, 2002, 163, 332-339.	2.9	19
69	Comparison of the crystal structure of the heavy-fermion materials CeCoIn <sub>5</sub> , CeRhIn <sub>5</sub> and CeIrIn <sub>5</sub> . Applied Physics A: Materials Science and Processing, 2002, 74, s895-s897.	2.3	32
70	Formation of isomorphous Ir <sup>3+</sup> and Ir <sup>4+</sup> octamers and spin dimerization in the spinel CuIr <sub>2</sub> S <sub>4</sub> . Nature, 2002, 416, 155-158.	27.8	315
71	Polymeric fullerene chains in RbC <sub>60</sub> and KC <sub>60</sub> . Chemical Physics Letters, 2001, 347, 13-22.	2.6	22
72	Powder diffraction study on solid ozone. Solid State Sciences, 2001, 3, 195-202.	3.2	18

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73	Phase inhomogeneities and lattice expansion near $T_c$ in the Mg <sub>11</sub> B <sub>2</sub> superconductor. <i>Journal of Physics Condensed Matter</i> , 2001, 13, L795-L802.	1.8	15
74	Order-Disorder and Mobility of Li <sup>+</sup> in the $\beta$ - and $\beta'$ -LiZr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Ionic Conductors: A Neutron Diffraction Study. <i>Journal of Solid State Chemistry</i> , 2000, 152, 340-347.	2.9	46
75	Crystal structures and phase behaviour of acetaldehyde-d <sub>4</sub> : a study by high-resolution neutron powder diffraction and calorimetry. <i>Journal of Molecular Structure</i> , 2000, 520, 265-272.	3.6	8
76	The crystal structures of m-xylene and p-xylene, C <sub>8</sub> D <sub>10</sub> , at 4.5 K. <i>Journal of Molecular Structure</i> , 2000, 524, 121-128.	3.6	15
77	Neutron scattering studies of phase segregation in Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , 2000, 276-278, 551-553.	2.7	14
78	Distortion of Host Lattice in Clathrate Hydrate as a Function of Guest Molecule and Temperature. <i>Journal of Physical Chemistry A</i> , 2000, 104, 10623-10630.	2.5	68
79	Neutron diffraction study on hydrogen bond structure in K <sub>3</sub> H(SeO <sub>4</sub> ) <sub>2</sub> and K <sub>3</sub> D(SeO <sub>4</sub> ) <sub>2</sub> crystals. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 8559-8565.	1.8	24
80	Low-Temperature Oxygen Migration and Negative Thermal Expansion in ZrW <sub>2-x</sub> Mo <sub>x</sub> O <sub>8</sub> . <i>Journal of the American Chemical Society</i> , 2000, 122, 8694-8699.	13.7	88
81	An inelastic neutron scattering spectroscopic investigation of the adsorption of ethene and propene on carbon. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4447-4451.	2.8	16
82	Structure of the Trimethylaluminum Dimer As Determined by Powder Neutron Diffraction at Low Temperature. <i>Organometallics</i> , 2000, 19, 4398-4401.	2.3	61
83	Neutron powder and ab initio structure of ortho-xylene: the influence of crystal packing on phenyl ring geometry at 2 K. <i>Chemical Communications</i> , 2000, , 539-540.	4.1	8
84	Lithium location in NASICON-type Li <sup>+</sup> conductors by neutron diffraction. I. Triclinic $\beta$ -LiZr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Solid State Ionics</i> , 1999, 123, 173-180.	2.7	104
85	The influence of pressure and temperature on the crystal structure of acetone. <i>Chemical Communications</i> , 1999, , 751-752.	4.1	70
86	Structural behavior, crystal chemistry, and phase transitions in substituted leucite; high-resolution neutron powder diffraction studies. <i>American Mineralogist</i> , 1997, 82, 16-29.	1.9	117
87	Time-of-flight neutron diffraction study on the cryolite type phases of Li <sub>6</sub> NBr <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 1997, 261, 123-131.	5.5	11
88	The crystal structure determination of dimethylsulphide by high-resolution neutron powder diffraction. <i>Journal of Molecular Structure</i> , 1997, 415, 259-266.	3.6	8
89	Cation site ordering in phengite 3T from the Dora-Maira massif (western Alps): a variable-temperature neutron powder diffraction study. <i>European Journal of Mineralogy</i> , 1997, 9, 1183-1190.	1.3	51
90	The lattice evolution of the spin-Peierls material CuGeO <sub>3</sub> studied by neutron scattering. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 288-290.	2.7	10

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91	Neutron scattering study of $K_1x(NH_4)xH_2PO_4$ mixed crystals. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 390-392.	2.7	0
92	Phase transitions of scandium triacetate. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 402-404.	2.7	0
93	A neutron-diffraction study of tetrahydrofuran and acetone clathrate hydrates. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 405-407.	2.7	36
94	Critical phenomenon in a molecular-ionic crystal $(CD_3ND_3)_2 [SnCl_6]$ . <i>Physica B: Condensed Matter</i> , 1995, 213-214, 414-416.	2.7	1
95	High-resolution time-of-flight measurements of the lattice parameter and thermal expansion of the icosahedral phase $Al_{62}Cu_{25.5}Fe_{12.5}$ . <i>Journal of Applied Crystallography</i> , 1994, 27, 1010-1014.	4.5	13
96	The ab initio crystal structure determination of $\hat{I}\pm$ -malonic acid from neutron powder diffraction data. <i>Chemical Physics Letters</i> , 1993, 201, 75-78.	2.6	23
97	Neutron diffraction investigation of V site preference in $RCo_{10}V_2$ compounds. <i>Journal of Alloys and Compounds</i> , 1993, 196, L1-L2.	5.5	3
98	High-pressure, low-temperature structural studies of orientationally ordered C60. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 7923-7928.	1.8	50
99	The low-temperature orthorhombic structure of YCu. <i>Journal of Physics Condensed Matter</i> , 1993, 5, L39-L42.	1.8	9
100	Neutron and X-ray single-crystal study of the $AlPdMn$ icosahedral phase. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 10149-10168.	1.8	258
101	Accurate determination of hydrogen atom positions in $\hat{I}\pm$ -toluene by neutron powder diffraction. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1438-1439.	2.0	12
102	The heat capacity of solid C60. <i>Solid State Communications</i> , 1992, 83, 711-715.	1.9	181
103	A strong isotope effect in the phase transition behaviour of ammonium hexachlorotellurate. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 594-596.	2.7	12
104	The crystal structure analysis of deuterated benzene and deuterated nitromethane by pulsed-neutron powder diffraction: a comparison with single crystal neutron diffraction analysis. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 597-600.	2.7	38
105	High resolution neutron powder diffraction investigation of the low temperature crystal structure of molecular iodine ( $I_2$ ). <i>Physica B: Condensed Matter</i> , 1992, 180-181, 639-641.	2.7	5
106	Investigation of the unusual magnetic spiral arrangement in $BiFeO_3$ . <i>Physica B: Condensed Matter</i> , 1992, 180-181, 117-118.	2.7	146
107	The magnetic and structural transitions in CrN and (CrMo)N. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 329-332.	2.7	29
108	Structural transformation in $Tb_{0.1}Y_{0.9}Cu$ . <i>Physica B: Condensed Matter</i> , 1992, 180-181, 354-356.	2.7	4

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109	Neutron diffraction investigation of Si site preference in RENi <sub>10</sub> Si <sub>2</sub> compounds. Solid State Communications, 1991, 78, 473-476.	1.9	15
110	Neutron scattering study of crystal structure and proton diffusion in protonic conductors with hydrogen bonds. Physica B: Condensed Matter, 1991, 174, 268-271.	2.7	14
111	Crystal structure and bonding of ordered C <sub>60</sub> . Nature, 1991, 353, 147-149.	27.8	959
112	High-resolution neutron powder diffraction studies of the structure of CsDSO <sub>4</sub> . Acta Crystallographica Section B: Structural Science, 1991, 47, 161-166.	1.8	71
113	Nitrogen atom location in rhombohedral and hexagonal RE <sub>2</sub> Fe <sub>17</sub> N <sub>x</sub> compounds. Journal of Physics Condensed Matter, 1991, 3, 1219-1226.	1.8	86
114	The crystal structure of 4-methyl pyridine at 4.5 K. Zeitschrift Fur Kristallographie - Crystalline Materials, 1990, 193, 243-250.	0.8	2
115	On the preferential site occupation of Fe in RFe <sub>4</sub> Al <sub>8</sub> and related compounds. Journal of Physics Condensed Matter, 1990, 2, 1677-1681.	1.8	49
116	On the preferential site occupation of T <sup>2+</sup> ; Cr or Mn in rare earth compounds of the type RT <sub>4</sub> Al <sub>8</sub> . Journal of the Less Common Metals, 1990, 166, 329-334.	0.8	43