Stephen Blundell

List of Publications by Year
in descending order

171	6,597	81900	74163
papers	citations	39 h-index	75 g-index

193	193	193	6764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Will Spin-Relaxation Times in Molecular Magnets Permit Quantum Information Processing?. Physical Review Letters, 2007, 98, 057201.	7.8	672
2	Spin-polarized muons in condensed matter physics. Contemporary Physics, 1999, 40, 175-192.	1.8	401
3	Enhancement of the superconducting transition temperature of FeSe by intercalation of a molecular spacer layer. Nature Materials, 2013, 12, 15-19.	27.5	367
4	Coexistence of static magnetism and superconductivity in SmFeAsO1âˆ’xFx as revealedÂbyÂmuon spin rotation. Nature Materials, 2009, 8, 310-314.	27.5	263
5	The Hydride Anion in an Extended Transition Metal Oxide Array: LaSrCoO3H0.7. Science, 2002, 295, 1882-1884.	12.6	252
6	Organic and molecular magnets. Journal of Physics Condensed Matter, 2004, 16, R771-R828.	1.8	251
7	Chemical Engineering of Molecular Qubits. Physical Review Letters, 2012, 108, 107204.	7.8	227
8	Magnetic and non-magnetic phases of a quantum spin liquid. Nature, 2011, 471, 612-616.	27.8	155
9	Control of the Competition between a Magnetic Phase and a Superconducting Phase in Cobalt-Doped and Nickel-Doped NaFeAs Using Electron Count. Physical Review Letters, 2010, 104, 057007.	7.8	111
10	Experimentally determining the exchange parameters of quasi-two-dimensional Heisenberg magnets. New Journal of Physics, 2008, 10, 083025.	2.9	106
11	Storing quantum information in chemically engineered nanoscale magnets. Journal of Materials Chemistry, 2009, 19, 1754-1760.	6.7	105
12	Magnetic order in the quasi-one-dimensional spin-1âˆ•2molecular chain compound copper pyrazine dinitrate. Physical Review B, 2006, 73, .	3.2	82
13	Strong HÂ·Â·Â·F Hydrogen Bonds as Synthons in Polymeric Quantum Magnets: Structural, Magnetic, and Theoretical Characterization of [Cu(HF2)(pyrazine)2]SbF6, [Cu2F(HF)(HF2)(pyrazine)4](SbF6)2, and [CuAg(H3F4)(pyrazine)5](SbF6)2. Journal of the American Chemical Society, 2009, 131, 6733-6747.	13.7	76
14	Muon-Spin Rotation Studies of Electronic Properties of Molecular Conductors and Superconductors. Chemical Reviews, 2004, 104, 5717-5736.	47.7	75
15	A.C. susceptibility as a probe of low-frequency magnetic dynamics. Journal of Physics Condensed Matter, 2019, 31, 013001.	1.8	72
16	Anisotropic Polaron Motion in Polyaniline Studied by Muon Spin Relaxation. Physical Review Letters, 1997, 79, 2855-2858.	7.8	69
17	Playing quantum hide-and-seek with the muon: localizing muon stopping sites. Physica Scripta, 2013, 88, 068510.	2.5	67
18	Investigation of Vortex Behavior in the Organic SuperconductorÎºâˆ’(BEDTâˆ’TTF)2Cu(SCN)2Using Muon Spin Rotation. Physical Review Letters, 1997, 79, 1563-1566.	7.8	62

#	Article	IF	Citations
19	Anisotropic Local Modification of Crystal Field Levels in Pr-Based Pyrochlores: A Muon-Induced Effect Modeled Using Density Functional Theory. Physical Review Letters, 2015, 114, 017602.	7.8	61
20	[Cu(HF2)(pyz)2]BF4 (pyz = pyrazine): long-range magnetic ordering in a pseudo-cubic coordination polymer comprised of bridging HF2? and pyrazine ligands. Chemical Communications, 2006, , 4894.	4.1	59
21	Lattice-Site-Specific Spin Dynamics in Double Perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review Letters, 2014, 112, 147202.	7.8	59
22	Angle-dependent magnetoresistance of the layered organic superconductorÎºâˆ’(ET)2Cu(NCS)2:Simulation and experiment. Physical Review B, 2004, 69, .	3.2	58
23	Low-Temperature Spin Diffusion in a Highly IdealS=12Heisenberg Antiferromagnetic Chain Studied by Muon Spin Relaxation. Physical Review Letters, 2006, 96, 247203.	7.8	58
24	Quantum states of muons in fluorides. Physical Review B, 2013, 87, .	3.2	57
25	Ultrahigh critical current densities, the vortex phase diagram, and the effect of granularity of the stoichiometric high- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn><mml:m Physical Review Materials, 2018, 2, .	2.4	57
26	Molecular magnets. Contemporary Physics, 2007, 48, 275-290.	1.8	56
27	Î¼ ⁺ SR of the Organic Ferromagnet p -NPNN: Diamagnetic and Paramagnetic States. Europhysics Letters, 1995, 31, 573-578.	2.0	52
28	Muon-Fluorine Entangled States in Molecular Magnets. Physical Review Letters, 2007, 99, 267601.	7.8	48
29	Three-dimensional Heisenberg spin-glass behavior in SrFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.90</mml:mn></mml:mrow></mml:msub></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.10</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	3.2	47
30	Local magnetism and spin correlations in the geometrically frustrated cluster magnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>LiZn</mml:mtext><mml:mn>2</mml:mn></mml:msub></mml:math>Mo<mml:msub Physical Review B, 2014, 89, .	3.2	46
31	Measurement of the internal magnetic field in the correlated iridates Ca4IrO6, Ca5Ir3O12, Sr3Ir2O7and Sr2IrO4. Physical Review B, 2011, 83, .	3.2	45
32	Dimensionality Selection in a Molecule-Based Magnet. Physical Review Letters, 2012, 108, 077208.	7.8	45
33	Enhanced superfluid stiffness, lowered superconducting transition temperature, and field-induced magnetic state of the pnictide superconductor LiFeAs. Physical Review B, 2009, 79, .	3.2	44
34	Gradual destruction of magnetism in the superconducting family NaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>As. Physical Review B, 2012, 85, .	3.2	44
35	Room-temperature helimagnetism in FeGe thin films. Scientific Reports, 2017, 7, 123.	3.3	44
36	Experimental and Theoretical Electron Density Analysis of Copper Pyrazine Nitrate Quasi-Low-Dimensional Quantum Magnets. Journal of the American Chemical Society, 2016, 138, 2280-2291.	13.7	42

#	Article	IF	Citations
37	Muon spin spectroscopy. Nature Reviews Methods Primers, 2022, 2, .	21.2	42
38	Magnetic order in the purely organic quasi-one-dimensional ferromagnet 2-benzimidazolyl nitronyl nitroxide. Physical Review B, 2010, 82, .	3.2	41
39	Cu(HCO2)2(pym) (pym = pyrimidine):Â Low-Dimensional Magnetic Behavior and Long-Range Ordering in a Quantum-Spin Lattice. Inorganic Chemistry, 2005, 44, 989-995.	4.0	40
40	Î¼SR investigation of spin dynamics in the spin-ice material Dy2Ti2O7. Journal of Physics Condensed Matter, 2007, 19, 326210.	1.8	40
41	Heat capacity measurements on FeAs-based compounds: a thermodynamic probe of electronic and magnetic states. New Journal of Physics, 2009, 11, 025010.	2.9	39
42	Strong Coupling of Microwave Photons to Antiferromagnetic Fluctuations in an Organic Magnet. Physical Review Letters, 2017, 119, 147701.	7.8	38
43	Nodal multigap superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>KCa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	38
44	Monopoles, Magnetricity, and the Stray Field from Spin Ice. Physical Review Letters, 2012, 108, 147601.	7.8	37
45	Magnetic phase separation inEuB6detected by muon spin rotation. Physical Review B, 2004, 70, .	3.2	36
46	Magnetic monopole noise. Nature, 2019, 571, 234-239.	27.8	36
47	Magnetic order in quasi-two-dimensional molecular magnets investigated with muon-spin relaxation. Physical Review B, 2011, 84, .	3.2	34
48	Muons as a probe of magnetism in molecule-based low dimensional magnets. Journal of Physics Condensed Matter, 2004, 16, S4563-S4582.	1.8	33
49	Evolution of magnetic interactions in a pressure-induced Jahn-Teller driven magnetic dimensionality switch. Physical Review B, 2013, 87, .	3.2	32
50	Landau levels, molecular orbitals, and the Hofstadter butterfly in finite systems. American Journal of Physics, 2004, 72, 613-618.	0.7	31
51	Charge order, enhanced orbital moment, and absence of magnetic frustration in layered multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LuFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2009, 80, .	3.2	31
52	Low-moment magnetism in the double perovskites Ba<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><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>M</mml:mi></mml:math>OsO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow mathvariant="bold">CsCa</mml:mi><mml:mn mathvariant="bold">2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">Fe</mml:mi><mml:mn	3.2	31
53	Quantum Griffiths Phase Inside the Ferromagnetic Phase of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>-</mml:mo><mml:mi mathvariant="normal">V</mml:mi></mml:mrow><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2017, 118, 267202.	7.8	30

#	Article	IF	Citations
55	Magnetism in Geometrically FrustratedYMnO3under Hydrostatic Pressure Studied with Muon Spin Relaxation. Physical Review Letters, 2007, 98, 197203.	7.8	28
56	Design and commissioning of a high magnetic field muon spin relaxation spectrometer at the ISIS pulsed neutron and muon source. Review of Scientific Instruments, 2011, 82, 073904.	1.3	28
57	Spin diffusion in the low-dimensional molecular quantum Heisenberg antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cu</mml:mi><mml:mrow><mml:mo>(</mml:mo> with implanted muons. Physical Review B, 2015, 91, .	3.2	28
58	Spin dynamics and field-induced magnetic phase transition in the honeycomb Kitaev magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€™</mml:mtext><mml:msub><mml: Physical Review B, 2019, 99, .	3.2	28
59	Studies of a Large Oddâ€Numbered Oddâ€Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr₈Mn. Chemistry - A European Journal, 2016, 22, 1779-1788.	3.3	27
60	Spin freezing and dynamics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ca</mml:mtext></mml:mrow><mml:mn>3</mml:mn> Physical Review B, 2009, 80, .	3.2	26
61	The Parent Li(OH)FeSe Phase of Lithium Iron Hydroxide Selenide Superconductors. Inorganic Chemistry, 2016, 55, 9886-9891.	4.0	26
62	La₂SrCr₂O₇F₂: A Ruddlesdenâ€“Popper Oxyfluoride Containing Octahedrally Coordinated Cr⁴⁺ Centers. Inorganic Chemistry, 2016, 55, 3169-3174.	4.0	26
63	The statistical mechanics of community assembly and species distribution. New Phytologist, 2011, 191, 819-827.	7.3	24
64	Controlling Magnetic Order and Quantum Disorder in Molecule-Based Magnets. Physical Review Letters, 2014, 112, .	7.8	24
65	Antiferromagnetism in a Family of S = 1 Square Lattice Coordination Polymers NiX₂(pyz)₂ (X = Cl, Br, I, NCS; pyz = Pyrazine). Inorganic Chemistry, 2016, 55, 3515-3529.	4.0	23
66	Local magnetism and spin dynamics of the frustrated honeycomb rhodate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Li</mml:mi><mml:mn>2</mml:mn> Physical Review B, 2017, 96, .	3.2	23
67	Information and Decoherence in a Muon-Fluorine Coupled System. Physical Review Letters, 2020, 125, 087201.	7.8	23
68	Intrinsic magnetic order inCs2AgF4detected by muon-spin relaxation. Physical Review B, 2007, 75, .	3.2	22
69	Microscopic effects of Dy doping in the topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn> Physical Review B, 2018, 97, .	3.2	22
70	Competing pairing interactions responsible for the large upper critical field in a stoichiometric iron-based superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn> Physical Review B, 2020, 101, .	3.2	22
71	Isotope effect in quasi-two-dimensional metal-organic antiferromagnets. Physical Review B, 2008, 78, .	3.2	21
72	Weak magnetic transitions in pyrochlore Bi<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>Ir<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 /><mml:	3.2	21

#	Article	IF	Citations
73	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î¼</mml:mi></mml:math>SR study of magnetic order in the organic quasi-one-dimensional ferromagnet F4BImNN. Physical Review B, 2013, 88, .	3.2	21
74	Upper critical field of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mtext>NaFe</mml:mtext></mml:mrow><mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mi> superconductors. Physical Review B, 2014, 89, .	3.2	21
75	La₂SrCr₂O₇: Controlling the Tilting Distortions of n = 2 Ruddlesdenâ€“Popper Phases through A-Site Cation Order. Inorganic Chemistry, 2016, 55, 8951-8960.	4.0	21
76	Unconventional magnetism on a honeycomb lattice in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo> by muon spin rotation. Physical Review B, 2016, 94, .	3.2	21
77	LaSr₃NiRuO₄H₄: A 4d Transitionâ€Metal Oxideâ€“Hydride Containing Metal Hydride Sheets. Angewandte Chemie - International Edition, 2018, 57, 5025-5028.	13.8	21
78	Chemistry of naturally layered manganites (invited). Journal of Applied Physics, 1998, 83, 6379-6384.	2.5	20
79	Muon-spin relaxation and heat capacity measurements on the magnetoelectric and multiferroic pyroxenes<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LiFeSi</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:mrow> xmlns:mml="http://www.w3.org/1998/Math/MathML"	3.2	20
80	Magnetic phases of skyrmion-hosting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>GaV</mml:mi><mml:mn>4</mml:mn></mml:mrow><mml:mrow><mml:mi mathvariant="normal">S</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mo>â^'</mml:mo><mml:mi>y</mml:mi></mml:mrow></mml:mrow></mml:mrow> width="4pt"		

#	Article	IF	Citations
91	Magnetism in the nitronyl nitroxide isomers 1-NAPNN and 2-NAPNN studied by. Journal of Physics Condensed Matter, 1996, 8, L1-L6.	1.8	15
92	Magnetic fluctuations and spin freezing in nonsuperconducting LiFeAs derivatives. Physical Review B, 2013, 88, .	3.2	15
93	Stripe disorder and dynamics in the hole-doped antiferromagnetic insulator La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mrow><mml:mn>5</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>CoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow />	3.2	15
94	Magnetization dynamics and frustration in the multiferroic double perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Lu</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>MnNiO₆. Physical Review B, 2014, Physical Review B, 2016, 93, .	3.2	15
95	Multigap Superconductivity in RbCa₂Fe₄As₄F₂ Investigated Using Î¼SR Measurements. Journal of the Physical Society of Japan, 2018, 87, 124705.	1.6	15
96	Muon studies of organic ferromagnets and conductors. Applied Magnetic Resonance, 1997, 13, 155-164.	1.2	14
97	Extreme Sensitivity of a Topochemical Reaction to Cation Substitution: SrVO₂H versus SrV_{1â€“x}Ti_xO_{1.5}H_{1.5}. Inorganic Chemistry, 2018, 57, 2890-2898.	4.0	14
98	Muon-spin relaxation study of the spin-12molecular chain compoundCu(HCO2)2(C4H4N2). Physical Review B, 2006, 73, .	3.2	13
99	Relaxation of muon spins in molecular nanomagnets. Physical Review B, 2010, 81, .	3.2	13
100	Persistent dynamics 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:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</ chain compound Rb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

#	Article	IF	Citations
109	Muonâ€“fluorine entanglement in fluoropolymers. Journal of Physics Condensed Matter, 2009, 21, 346004.	1.8	11
110	Critical behavior in the inhomogeneous ferromagnetSrFe0.80Co0.20O3.0. Physical Review B, 2011, 83, .	3.2	11
111	Magnetic ground state of the two isostructual polymeric quantum magnets<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>[</mml:mo><mml:mi>Cu</mml:mi><mml:mo>(</mml:mo><mml:mi>m xmlns:mml="http://www.w3.org/1998/Math/MathML". Physical Review B, 2015, 92, .	3.2	11
112	Magnetic order and enhanced exchange in the quasi-one-dimensional molecule-based antiferromagnet Cu(NO₃)₂(pyz)₃. Physical Chemistry Chemical Physics, 2019, 21, 1014-1018.	2.8	11
113	Several Kinds of Aminoxyl Radicals and their Metal Ion Complexes. Molecular Crystals and Liquid Crystals, 1999, 334, 477-486.	0.3	10
114	Muon radical states in some electron donor and acceptor molecules. Magnetic Resonance in Chemistry, 2000, 38, S27-S32.	1.9	10
115	Characteristic muon precession and relaxation signals in FeAs and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>FeAs</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:ms Possible impurity phases in pnictide superconductors. Physical Review B, 2008, 78, .	3.2	10
116	Enhancing easy-plane anisotropy in bespoke Ni(II) quantum magnets. Polyhedron, 2020, 180, 114379.	2.2	10
117	Spin Jahn-Teller antiferromagnetism in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CoTi</mml:mi><mml:mn>2</mml:mn></ mathvariant="normal">O</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	10
118	Organic Magnetic Materials Studied by Positive Muons. Hyperfine Interactions, 2001, 133, 169-177.	0.5	9
119	Observation of a level crossing in a molecular nanomagnet using implanted muons. Journal of Physics Condensed Matter, 2011, 23, 242201.	1.8	9
120	Magnetic transition and spin dynamics in the triangular Heisenberg antiferromagnetÎ±-KCrO2. Physical Review B, 2013, 88, .	3.2	9
121	Robustness of superconductivity to structural disorder in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mrow> <mml:mn>0.3</ Physical Review B, 2015, 92, .	3.2	9
122	Comparative study of the magnetic properties of La3Ni2Bâ€²O9 for Bâ€² = Nb, Taor Sb. Journal of Solid State Chemistry, 2018, 258, 825-834.	2.9	9
123	Evidence for a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mi>eff</mml:mi></mml: ground state and defect-induced spin glass behavior in the pyrochlore osmate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Os</mml:mi><mml:mn>2</mml:mn>	3.2	9
124	Unconventional Field-Induced Spin Gap in an <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:mrow><mml:mn>1</mml:mn><mml:mo>/ Chiral Staggered Chain. Physical Review Letters, 2019, 122, 057207.	7.8	9
125	Magnetically driven loss of centrosymmetry in metallic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pb</mml:mi><mml:mn> Physical Review B, 2020, 102, .	3.2	9
126	Near-ideal molecule-based Haldane spin chain. Physical Review Research, 2020, 2, .	3.6	9

#	Article	IF	Citations
127	Magnetism and NÃ©el skyrmion dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>GaV</mml:mi><mml:mn>4</mml:mn></mml:mathvariant="normal">S</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mtext>â^’</mml:mtext><mml:mi>y</mml:mi></mml:m Physical Review Research, 2020, 2, .	3.6	9
128	Mn(dca)2(o-phen) {dca=dicyanamide; o-phen=1,10-phenanthroline}: Long-range magnetic order in a low-dimensional Mn-dca polymer. Polyhedron, 2013, 52, 679-688.	2.2	8
129	LaSr₃NiRuO₄H₄: A 4d Transitionâ€Metal Oxideâ€“Hydride Containing Metal Hydride Sheets. Angewandte Chemie, 2018, 130, 5119-5122.	2.0	8
130	Local magnetism, magnetic order and spin freezing in the â€˜nonmetallic metalâ€™ FeCrAs. Journal of Physics Condensed Matter, 2019, 31, 285803.	1.8	8
131	Dynamic spin fluctuations in the frustrated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi></mml:mrow></mml:math> -site spinel <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cu</mml:mi><mml:msub><mml:mi>Al</mml:mi><mml:mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>.	3.2	8
132	Muon sites in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PbF</mml:mi><mml:mn>2</mml:mn></mml:msub></mml and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YF</mml:mi><mml:mn>3</mml:mn></mml:msub></mml: : Decohering environments and the role of anion Frenkel defects. Physical Review B, 2021, 104, .	3.2	8
133	Magnetism in Nitronyl Nitroxide Radicals and their Ion Radical Salts. Molecular Crystals and Liquid Crystals, 1997, 305, 435-444.	0.3	7
134	Zero field Î¼SR and QLCR in the molecular metal system (DMe-DCNQI)2Cu. , 1997, 104, 357-362.		7
135	Ag(nic)₂ (nic = Nicotinate): A Spin-Canted Quasi-2D Antiferromagnet Composed of Square-Planar S = ¹/₂ Ag^{II} Ions. Inorganic Chemistry, 2012, 51, 1989-1991.	4.0	7
136	Observation of a crossover from nodal to gapped superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Lu</mml:mi><mml:mi>x</mml:mi></mml:ms mathvariant="normal">B</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 98, .	3.2	7
137	Exsolution of SrO during the Topochemical Conversion of LaSr3CoRuO8 to the Oxyhydride LaSr3CoRuO4H4. Inorganic Chemistry, 2019, 58, 14863-14870.	4.0	7
138	Determining the anisotropy and exchange parameters of polycrystalline spin-1 magnets. New Journal of Physics, 2019, 21, 093025.	2.9	7
139	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>FeTi</mml:mi><mml:mn>2</mml:mn></mml:mathvariant="normal">O</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math> : A spin Jahn-Teller transition enhanced by cation substitution. Physical Review B, 2019, 100, .	3.2	7
140	Inhomogeneous superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Lu</mml:mi><mml:mi>x</mml:mi></mml:ms mathvariant="normal">B</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math> dodecaborides with dynamic charge stripes. Physical Review B, 2021, 103, .	3.2	7
141	Observation of a neutron spin resonance in the bilayered superconductor CsCa₂Fe₄As₄F₂. Journal of Physics Condensed Matter, 2020, 32, 435603.	1.8	7
142	Bimetallic MOFs (H₃O)_x[Cu(MF₆)(pyrazine)₂]Â·(4 â^’) Tj ETQq0 0 0 rgBT /Overlock disordered quantum spins in the V⁴⁺ system. Chemical Communications, 2016, 52, 12653-12656.	4.1	6
143	Quantum-critical spin dynamics in a Tomonaga-Luttinger liquid studied with muon-spin relaxation. Physical Review B, 2017, 95, .	3.2	6
144	Magnetic order and ballistic spin transport in a sine-Gordon spin chain. Physical Review B, 2021, 103, .	3.2	6

#	Article	IF	Citations
145	Crystal Chemistry and Electronic Properties of the N = 2 Ruddlesden-Popper Manganates: Unconventional CMR Materials. Materials Research Society Symposia Proceedings, 1996, 453, 331.	0.1	5
146	The observation of magnetic excitations in a single layered and a bilayered brownmillerite. Journal of Physics Condensed Matter, 2005, 17, 99-104.	1.8	5
147	Superconductivity and fluctuating magnetism in quasi-two-dimensionalÎº-(BEDT-TTF)2Cu[N(CN)2]Br probed with implanted muons. Physical Review B, 2011, 83, .	3.2	5
148	Local magnetism in the molecule-based metamagnet [Ru<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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (xmlns:mml="http://w	3.2	5
149	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml: Dipolar ordering in a molecular nanomagnet detected using muon spin relaxation. Physical Review B, 2014, 89, .	3.2	5
150	Magnetic phase diagram of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mn>2</mml:mn></mml:mrow></mml:math>Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi>O</mml:mi><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> using muon-spin relaxation. Physical Review B, 2016, 93, .	3.2	5
151	Implications of bond disorder in a S=1 kagome lattice. Scientific Reports, 2018, 8, 4745.	3.3	5
152	Magnetic ground state of the one-dimensional ferromagnetic chain compounds<mml:math		

#	Article	IF	Citations
163	Anomalous magnetic exchange in a dimerized quantum magnet composed of unlike spin species. Physical Review B, 2021, 104, .	3.2	2
164	Magnetism in crown-ether-substituted nitronyl nitroxide derivatives and their metal complexes. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1205-1207.	0.8	1
165	Magnetic and Structural Properties of Organic Radicals Based on Thienyl- and Furyl-Substituted Nitronyl Nitroxide. Magnetochemistry, 2021, 7, 62.	2.4	1
166	Muon radical states in some electron donor and acceptor molecules. Magnetic Resonance in Chemistry, 2000, 38, S27-S32.	1.9	1
167	Probing the magnetic polaron state in the ferromagnetic semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>HgCr</mml:mi><mml:mn>2</mml:mn></ with muon-spin spectroscopy and resistance-fluctuation measurements. Physical Review B, 2022, 105, .	3.2	0
168	Back Cover: [Cu(HF2)2(pyrazine)]n: A Rectangular Antiferromagnetic Lattice with a Spin Exchange Path Made Up of Two Different FHFâ‹¯ Bridges (Angew. Chem. Int. Ed. 7/2011). Angewandte Chemie - International Edition, 2011, 50, 1726-1726.	13.8	0
169	The science and art of seeing. Contemporary Physics, 2016, 57, 246-249.	1.8	0
170	Robustness of superconducting properties to transition metal substitution and impurity phases in Fe1â‹xVxSe. Physical Review B, 2019, 100, .	3.2	0
171	Quantum field theory lectures of Sidney Coleman. Contemporary Physics, 2019, 60, 66-68.	1.8	0