

# Stephen Blundell

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4036081/stephen-blundell-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169  
papers

5,373  
citations

35  
h-index

67  
g-index

193  
ext. papers

6,072  
ext. citations

5.5  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
169	Will spin-relaxation times in molecular magnets permit quantum information processing?. <i>Physical Review Letters</i> , <b>2007</b> , 98, 057201	7.4	601
168	Spin-polarized muons in condensed matter physics. <i>Contemporary Physics</i> , <b>1999</b> , 40, 175-192	3.3	345
167	Enhancement of the superconducting transition temperature of FeSe by intercalation of a molecular spacer layer. <i>Nature Materials</i> , <b>2013</b> , 12, 15-9	27	324
166	Coexistence of static magnetism and superconductivity in SmFeAsO(1-x)F(x) as revealed by muon spin rotation. <i>Nature Materials</i> , <b>2009</b> , 8, 310-4	27	245
165	Organic and molecular magnets. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, R771-R828	1.8	230
164	The hydride anion in an extended transition metal oxide array: LaSrCoO <sub>3</sub> H <sub>0.7</sub> . <i>Science</i> , <b>2002</b> , 295, 1882-4	33.3	221
163	Chemical engineering of molecular qubits. <i>Physical Review Letters</i> , <b>2012</b> , 108, 107204	7.4	202
162	Magnetic and non-magnetic phases of a quantum spin liquid. <i>Nature</i> , <b>2011</b> , 471, 612-6	50.4	132
161	Control of the competition between a magnetic phase and a superconducting phase in cobalt-doped and nickel-doped NaFeAs using electron count. <i>Physical Review Letters</i> , <b>2010</b> , 104, 057007	7.4	104
160	Storing quantum information in chemically engineered nanoscale magnets. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1754-1760		96
159	Experimentally determining the exchange parameters of quasi-two-dimensional Heisenberg magnets. <i>New Journal of Physics</i> , <b>2008</b> , 10, 083025	2.9	95
158	Magnetic order in the quasi-one-dimensional spin-1/2 molecular chain compound copper pyrazine dinitrate. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	80
157	Strong H...F hydrogen bonds as synthons in polymeric quantum magnets: structural, magnetic, and theoretical characterization of [Cu(HF <sub>2</sub> )(pyrazine) <sub>2</sub> ]SbF <sub>6</sub> , [Cu <sub>2</sub> F(HF)(HF <sub>2</sub> )(pyrazine) <sub>4</sub> ](SbF <sub>6</sub> ) <sub>2</sub> , and [CuAg(H <sub>3</sub> F <sub>4</sub> )(pyrazine) <sub>5</sub> ](SbF <sub>6</sub> ) <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6733-47	16.4	72
156	Anisotropic Polaron Motion in Polyaniline Studied by Muon Spin Relaxation. <i>Physical Review Letters</i> , <b>1997</b> , 79, 2855-2858	7.4	64
155	Muon-spin rotation studies of electronic properties of molecular conductors and superconductors. <i>Chemical Reviews</i> , <b>2004</b> , 104, 5717-36	68.1	61
154	Investigation of Vortex Behavior in the Organic Superconductor (BEDT-TTF) <sub>2</sub> Cu(SCN) <sub>2</sub> Using Muon Spin Rotation. <i>Physical Review Letters</i> , <b>1997</b> , 79, 1563-1566	7.4	58
153	[Cu(HF <sub>2</sub> )(pyz) <sub>2</sub> ]BF <sub>4</sub> (pyz = pyrazine): long-range magnetic ordering in a pseudo-cubic coordination polymer comprised of bridging HF <sub>2</sub> - and pyrazine ligands. <i>Chemical Communications</i> , <b>2006</b> , 4894-6	5.8	56

152	Angle-dependent magnetoresistance of the layered organic superconductor $(\text{ET})_2\text{Cu}(\text{NCS})_2$ : Simulation and experiment. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	55
151	Molecular magnets. <i>Contemporary Physics</i> , <b>2007</b> , 48, 275-290	3-3	50
150	Playing quantum hide-and-seek with the muon: localizing muon stopping sites. <i>Physica Scripta</i> , <b>2013</b> , 88, 068510	2.6	48
149	Anisotropic local modification of crystal field levels in Pr-based pyrochlores: a muon-induced effect modeled using density functional theory. <i>Physical Review Letters</i> , <b>2015</b> , 114, 017602	7-4	47
148	Lattice-site-specific spin dynamics in double perovskite $\text{Sr}_2\text{CoOsO}_6$ . <i>Physical Review Letters</i> , <b>2014</b> , 112, 147202	7-4	47
147	Low-temperature spin diffusion in a highly ideal $S=1/2$ Heisenberg antiferromagnetic chain studied by muon spin relaxation. <i>Physical Review Letters</i> , <b>2006</b> , 96, 247203	7-4	44
146	$\mu$ -SR of the Organic Ferromagnet $\rho$ -NPNN: Diamagnetic and Paramagnetic States. <i>Europhysics Letters</i> , <b>1995</b> , 31, 573-578	1.6	44
145	Enhanced superfluid stiffness, lowered superconducting transition temperature, and field-induced magnetic state of the pnictide superconductor $\text{LiFeAs}$ . <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	41
144	Measurement of the internal magnetic field in the correlated iridates $\text{Ca}_4\text{IrO}_6$ , $\text{Ca}_5\text{Ir}_3\text{O}_{12}$ , $\text{Sr}_3\text{Ir}_2\text{O}_7$ and $\text{Sr}_2\text{IrO}_4$ . <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	39
143	Ultrahigh critical current densities, the vortex phase diagram, and the effect of granularity of the stoichiometric high- $T_c$ superconductor $\text{CaKFe}_4\text{As}_4$ . <i>Physical Review Materials</i> , <b>2018</b> , 2,	3-2	39
142	Gradual destruction of magnetism in the superconducting family $\text{NaFe}_{1-x}\text{Co}_x\text{As}$ . <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	38
141	Quantum states of muons in fluorides. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	37
140	Dimensionality selection in a molecule-based magnet. <i>Physical Review Letters</i> , <b>2012</b> , 108, 077208	7-4	37
139	$\mu$ R investigation of spin dynamics in the spin-ice material $\text{Dy}_2\text{Ti}_2\text{O}_7$ . <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 326210	1.8	37
138	$\text{Cu}(\text{HCO}_2)_2(\text{pym})$ (pym = pyrimidine): low-dimensional magnetic behavior and long-range ordering in a quantum-spin lattice. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 989-95	5-1	37
137	Magnetic order in the purely organic quasi-one-dimensional ferromagnet 2-benzimidazolyl nitronyl nitroxide. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	36
136	Muon-fluorine entangled states in molecular magnets. <i>Physical Review Letters</i> , <b>2007</b> , 99, 267601	7-4	36
135	Local magnetism and spin correlations in the geometrically frustrated cluster magnet $\text{LiZn}_2\text{Mo}_3\text{O}_8$ . <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	33

134	Monopoles, magnetricity, and the stray field from spin ice. <i>Physical Review Letters</i> , <b>2012</b> , 108, 147601	7.4	33
133	Heat capacity measurements on FeAs-based compounds: a thermodynamic probe of electronic and magnetic states. <i>New Journal of Physics</i> , <b>2009</b> , 11, 025010	2.9	33
132	A.C. susceptibility as a probe of low-frequency magnetic dynamics. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 013001	1.8	33
131	Experimental and Theoretical Electron Density Analysis of Copper Pyrazine Nitrate Quasi-Low-Dimensional Quantum Magnets. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2280-91	16.4	32
130	Room-temperature helimagnetism in FeGe thin films. <i>Scientific Reports</i> , <b>2017</b> , 7, 123	4.9	30
129	Magnetic order in quasi-two-dimensional molecular magnets investigated with muon-spin relaxation. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	30
128	Three-dimensional Heisenberg spin-glass behavior in SrFe <sub>0.90</sub> Co <sub>0.10</sub> O <sub>3.0</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	29
127	Muons as a probe of magnetism in molecule-based low dimensional magnets. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S4563-S4582	1.8	29
126	Evolution of magnetic interactions in a pressure-induced Jahn-Teller driven magnetic dimensionality switch. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	28
125	Spin freezing and dynamics in Ca <sub>3</sub> Co <sub>2</sub> Mn <sub>x</sub> O <sub>6</sub> (x=0.95) investigated with implanted muons: Disorder in the anisotropic next-nearest-neighbor Ising model. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	26
124	Strong Coupling of Microwave Photons to Antiferromagnetic Fluctuations in an Organic Magnet. <i>Physical Review Letters</i> , <b>2017</b> , 119, 147701	7.4	25
123	Nodal multigap superconductivity in KCa <sub>2</sub> Fe <sub>4</sub> As <sub>4</sub> F <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	25
122	Charge order, enhanced orbital moment, and absence of magnetic frustration in layered multiferroic LuFe <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	25
121	Magnetism in geometrically frustrated YMnO <sub>3</sub> under hydrostatic pressure studied with muon spin relaxation. <i>Physical Review Letters</i> , <b>2007</b> , 98, 197203	7.4	25
120	Magnetic phase separation in EuB <sub>6</sub> detected by muon spin rotation. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	25
119	Low-moment magnetism in the double perovskites Ba <sub>2</sub> MOsO <sub>6</sub> (M=Li,Na). <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	23
118	Landau levels, molecular orbitals, and the Hofstadter butterfly in finite systems. <i>American Journal of Physics</i> , <b>2004</b> , 72, 613-618	0.7	23
117	Design and commissioning of a high magnetic field muon spin relaxation spectrometer at the ISIS pulsed neutron and muon source. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 073904	1.7	22

116	Two-gap superconductivity with line nodes in CsCa <sub>2</sub> Fe <sub>4</sub> As <sub>4</sub> F <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	21
115	Isotope effect in quasi-two-dimensional metal-organic antiferromagnets. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	21
114	Studies of a Large Odd-Numbered Odd-Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr <sub>8</sub> Mn. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1779-88	4.8	20
113	Spin diffusion in the low-dimensional molecular quantum Heisenberg antiferromagnet Cu(py <sub>z</sub> )(NO <sub>3</sub> ) <sub>2</sub> detected with implanted muons. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	19
112	Weak magnetic transitions in pyrochlore Bi <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	19
111	Muon-spin relaxation and heat capacity measurements on the magnetoelectric and multiferroic pyroxenes LiFeSi <sub>2</sub> O <sub>6</sub> and NaFeSi <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	19
110	Chemistry of naturally layered manganites (invited). <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 6379-6384	2.5	19
109	Local magnetism and spin dynamics of the frustrated honeycomb rhodate Li <sub>2</sub> RhO <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	18
108	La <sub>2</sub> SrCr <sub>2</sub> O <sub>7</sub> F <sub>2</sub> : A Ruddlesden-Popper Oxyfluoride Containing Octahedrally Coordinated Cr(4+) Centers. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3169-74	5.1	18
107	Quantum Griffiths Phase Inside the Ferromagnetic Phase of Ni <sub>1-x</sub> V <sub>x</sub> . <i>Physical Review Letters</i> , <b>2017</b> , 118, 267202	7.4	18
106	Strontium Vanadium OxideHydrides: Square-PlanarTwo-Electron Phases. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7686-7689	3.6	18
105	as a probe of anisotropy in low-dimensional molecular magnets. <i>Journal of Physics and Chemistry of Solids</i> , <b>2007</b> , 68, 2039-2043	3.9	18
104	Intrinsic magnetic order in Cs <sub>2</sub> AgF <sub>4</sub> detected by muon-spin relaxation. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	18
103	The Parent Li(OH)FeSe Phase of Lithium Iron Hydroxide Selenide Superconductors. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 9886-9891	5.1	18
102	Magnetic monopole noise. <i>Nature</i> , <b>2019</b> , 571, 234-239	50.4	17
101	Controlling Magnetic Order and Quantum Disorder in Molecule-Based Magnets. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	17
100	The statistical mechanics of community assembly and species distribution. <i>New Phytologist</i> , <b>2011</b> , 191, 819-827	9.8	17
99	Two-dimensional magnetism in the pnictide superconductor parent material SrFeAsF probed by muon-spin relaxation. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	17

98	Chiral-like critical behavior in the antiferromagnet cobalt glycerolate. <i>Physical Review Letters</i> , <b>2007</b> , 99, 017202	7.4	17
97	La <sub>2</sub> SrCr <sub>2</sub> O <sub>7</sub> : Controlling the Tilting Distortions of n = 2 Ruddlesden-Popper Phases through A-Site Cation Order. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8951-60	5.1	17
96	Proposal for the detection of magnetic monopoles in spin ice via nanoscale magnetometry. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	16
95	Transverse field muon-spin rotation signature of the skyrmion-lattice phase in Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	16
94	Microscopic effects of Dy doping in the topological insulator Bi <sub>2</sub> Te <sub>3</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	16
93	Spin dynamics and field-induced magnetic phase transition in the honeycomb Kitaev magnet Bi <sub>2</sub> IrO <sub>3</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	15
92	Antiferromagnetism in a Family of S = 1 Square Lattice Coordination Polymers NiX <sub>2</sub> (pyz) <sub>2</sub> (X = Cl, Br, I, NCS; pyz = Pyrazine). <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3515-29	5.1	15
91	Upper critical field of NaFe <sub>1-x</sub> CoxAs superconductors. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	15
90	BR study of magnetic order in the organic quasi-one-dimensional ferromagnet F4BImNN. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	15
89	Muon-spin-rotation studies of organic magnets. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>1999</b> , 357, 2923-2937	3	15
88	Robustness of superconductivity to competing magnetic phases in tetragonal FeS. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	15
87	LaSr NiRuO H : A 4d Transition-Metal Oxide-Hydride Containing Metal Hydride Sheets. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5025-5028	16.4	14
86	Unconventional magnetism on a honeycomb lattice in RuCl <sub>3</sub> studied by muon spin rotation. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	14
85	Magnetization dynamics and frustration in the multiferroic double perovskite Lu <sub>2</sub> MnCoO <sub>6</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	14
84	Magnetism in the nitronyl nitroxide isomers 1-NAPNN and 2-NAPNN studied by. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, L1-L6	1.8	14
83	Stripe disorder and dynamics in the hole-doped antiferromagnetic insulator La <sub>5/3</sub> Sr <sub>1/3</sub> CoO <sub>4</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	13
82	Tuning the interlayer spacing of high-T <sub>c</sub> Bi-based superconductors by intercalation: measuring the penetration depth and the two-dimensional superfluid density. <i>Physical Review Letters</i> , <b>2009</b> , 102, 087002	7.4	13
81	Muon-spin relaxation study of the spin-1/2 molecular chain compound Cu(HCO <sub>2</sub> ) <sub>2</sub> (C <sub>4</sub> H <sub>4</sub> N <sub>2</sub> ). <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	13

80	Extreme Sensitivity of a Topochemical Reaction to Cation Substitution: SrVOH versus SrVTi OH. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2890-2898	5.1	12
79	Control of the third dimension in copper-based square-lattice antiferromagnets. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	12
78	Transverse field muon-spin rotation measurement of the topological anomaly in a thin film of MnSi. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	12
77	Magnetic phases of skyrmion-hosting GaV <sub>4</sub> S <sub>8</sub> Se <sub>y</sub> (y=0,2,4,8) probed with muon spectroscopy. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	12
76	Muon studies of organic ferromagnets and conductors. <i>Applied Magnetic Resonance</i> , <b>1997</b> , 13, 155-164	0.8	12
75	Relaxation of muon spins in molecular nanomagnets. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	11
74	Muon spin relaxation studies of critical fluctuations and diffusive spin dynamics in molecular magnets. <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 585-589	2.8	11
73	Critical behavior in the inhomogeneous ferromagnet SrFe <sub>0.80</sub> Co <sub>0.20</sub> O <sub>3.0</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	11
72	Magnetic order and local field distribution in the hybrid magnets [FeCp* <sub>2</sub> ][MnCr(ox) <sub>3</sub> ] and [CoCp* <sub>2</sub> ][FeFe(ox) <sub>3</sub> ]: a muon spin relaxation study. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 1518-1520		11
71	Another dimension: investigations of molecular magnetism using muon spin relaxation. <i>Physica Scripta</i> , <b>2013</b> , 88, 068506	2.6	10
70	Persistent dynamics in the S=1/2 quasi-one-dimensional chain compound Rb <sub>4</sub> Cu(MoO <sub>4</sub> ) <sub>3</sub> probed with muon-spin relaxation. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	10
69	Characteristic muon precession and relaxation signals in FeAs and FeAs <sub>2</sub> : Possible impurity phases in pnictide superconductors. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	10
68	Muon radical states in some electron donor and acceptor molecules. <i>Magnetic Resonance in Chemistry</i> , <b>2000</b> , 38, S27-S32	2.1	10
67	Optimization of superconducting properties of the stoichiometric CaKFe <sub>4</sub> As <sub>4</sub> . <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 025003	3.1	10
66	Multigap Superconductivity in RbCa <sub>2</sub> Fe <sub>4</sub> As <sub>4</sub> F <sub>2</sub> Investigated Using $\mu$ SR Measurements. <i>Journal of the Physical Society of Japan</i> , <b>2018</b> , 87, 124705	1.5	10
65	Competing pairing interactions responsible for the large upper critical field in a stoichiometric iron-based superconductor CaKFe <sub>4</sub> As <sub>4</sub> . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	9
64	Doped SrFeIrO-Phase Separation and a J <sub>1</sub> State for Ir. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10303-10311	5.1	9
63	Magnetic fluctuations and spin freezing in nonsuperconducting LiFeAs derivatives. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	9

62	Magnetic ground state of the two isostructural polymeric quantum magnets [Cu(HF <sub>2</sub> )(pyrazine) <sub>2</sub> ]SbF <sub>6</sub> and [Co(HF <sub>2</sub> )(pyrazine) <sub>2</sub> ]SbF <sub>6</sub> investigated with neutron powder diffraction. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	9
61	Several Kinds of Aminoxy Radicals and their Metal Ion Complexes. <i>Molecular Crystals and Liquid Crystals</i> , <b>1999</b> , 334, 477-486		9
60	Comparative study of the magnetic properties of La <sub>3</sub> Ni <sub>2</sub> B <sub>7</sub> O <sub>9</sub> for B = Nb, Ta or Sb. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 258, 825-834	3.3	8
59	Robustness of superconductivity to structural disorder in Sr <sub>0.3</sub> (NH <sub>2</sub> ) <sub>y</sub> (NH <sub>3</sub> ) <sub>1-y</sub> Fe <sub>2</sub> Se <sub>2</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	8
58	Observation of a level crossing in a molecular nanomagnet using implanted muons. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 242201	1.8	8
57	Organic Magnetic Materials Studied by Positive Muons. <i>Hyperfine Interactions</i> , <b>2001</b> , 133, 169-177	0.8	8
56	Ferromagnetic Intermolecular Interactions and Magnetically Ordered States in Some Organic Radical Crystals. <i>Molecular Crystals and Liquid Crystals</i> , <b>1995</b> , 271, 107-114		8
55	Magnetic order and enhanced exchange in the quasi-one-dimensional molecule-based antiferromagnet Cu(NO)(pyz). <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 1014-1018	3.6	7
54	Muon-fluorine entanglement in fluoropolymers. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 346004	1.8	7
53	Magnetism in Nitronyl Nitroxide Radicals and their Ion Radical Salts. <i>Molecular Crystals and Liquid Crystals</i> , <b>1997</b> , 305, 435-444		7
52	Muon spin spectroscopy. <i>Nature Reviews Methods Primers</i> , <b>2022</b> , 2,		7
51	Quantum magnetism in molecular spin ladders probed with muon-spin spectroscopy. <i>New Journal of Physics</i> , <b>2018</b> , 20, 103002	2.9	7
50	Local magnetism, magnetic order and spin freezing in the 'nonmetallic metal' FeCrAs. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 285803	1.8	6
49	LaSr <sub>3</sub> NiRuO <sub>4</sub> H <sub>4</sub> : A 4d Transition-Metal OxideHydride Containing Metal Hydride Sheets. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5119-5122	3.6	6
48	Exsolution of SrO during the Topochemical Conversion of LaSrCoRuO to the Oxyhydride LaSrCoRuOH. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 14863-14870	5.1	6
47	Ag(nic) <sub>2</sub> (nic = nicotinate): a spin-canted quasi-2D antiferromagnet composed of square-planar S = 1/2 Ag(II) ions. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 1989-91	5.1	6
46	Mn(dca) <sub>2</sub> (o-phen) {dca=dicyanamide; o-phen=1,10-phenanthroline}: Long-range magnetic order in a low-dimensional Mn-dca polymer. <i>Polyhedron</i> , <b>2013</b> , 52, 679-688	2.7	6
45	Magnetic transition and spin dynamics in the triangular Heisenberg antiferromagnet KCrO <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	6



44	Zero field BR and QLCR in the molecular metal system (DMe-DCNQI) <sub>2</sub> Cu <b>1997</b> , 104, 357-362		6
43	Unconventional Field-Induced Spin Gap in an S=1/2 Chiral Staggered Chain. <i>Physical Review Letters</i> , <b>2019</b> , 122, 057207	7.4	5
42	The observation of magnetic excitations in a single layered and a bilayered brownmillerite. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 99-104	1.8	5
41	Crystal Chemistry and Electronic Properties of the N = 2 Ruddlesden-Popper Manganates: Unconventional CMR Materials. <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 453, 331		5
40	Observation of a neutron spin resonance in the bilayered superconductor CsCaFeAsF. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 435603	1.8	5
39	Bimetallic MOFs (HO)[Cu(MF)(pyrazine)] <sub>2</sub> (4 - x)HO (M = V, x = 0; M = Ga, x = 1): co-existence of ordered and disordered quantum spins in the V system. <i>Chemical Communications</i> , <b>2016</b> , 52, 12653-12655	5.8	5
38	Enhancing easy-plane anisotropy in bespoke Ni(II) quantum magnets. <i>Polyhedron</i> , <b>2020</b> , 180, 114379	2.7	4
37	Magnetic phase diagram of La <sub>2-x</sub> Sr <sub>x</sub> CoO <sub>4</sub> revised using muon-spin relaxation. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	4
36	Determining the anisotropy and exchange parameters of polycrystalline spin-1 magnets. <i>New Journal of Physics</i> , <b>2019</b> , 21, 093025	2.9	4
35	Dipolar ordering in a molecular nanomagnet detected using muon spin relaxation. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	4
34	Superconductivity and fluctuating magnetism in quasi-two-dimensional $\kappa$ (BEDT-TTF) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]Br probed with implanted muons. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	4
33	Local magnetism in the molecule-based metamagnet [Ru <sub>2</sub> (O <sub>2</sub> CMe) <sub>4</sub> ] <sub>3</sub> [Cr(CN) <sub>6</sub> ] probed with implanted muons. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	4
32	Spin Jahn-Teller antiferromagnetism in CoTi <sub>2</sub> O <sub>5</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	4
31	Magnetism and Néel skyrmion dynamics in GaV <sub>4</sub> S <sub>8</sub> . <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	4
30	Magnetically driven loss of centrosymmetry in metallic Pb <sub>2</sub> CoOsO <sub>6</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	4
29	Observation of a crossover from nodal to gapped superconductivity in Lu <sub>2</sub> Zr <sub>1-x</sub> B <sub>12</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
28	Quantum-critical spin dynamics in a Tomonaga-Luttinger liquid studied with muon-spin relaxation. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	3
27	Implications of bond disorder in a S=1 kagome lattice. <i>Scientific Reports</i> , <b>2018</b> , 8, 4745	4.9	3

26	Low-field spin dynamics of Cr <sub>7</sub> Ni and Cr <sub>7</sub> NiCuCr <sub>7</sub> Ni molecular rings as detected by $\mu$ SR. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	3
25	Muon-Spin Rotation Studies of Molecule-Based Magnets	235-256	3
24	Crystal structure and magnetic modulation in Fe <sub>2</sub> O <sub>2</sub> FeSe <sub>2</sub> . <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	3
23	Dynamic spin fluctuations in the frustrated A-site spinel CuAl <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	3
22	Evidence for a Jeff=0 ground state and defect-induced spin glass behavior in the pyrochlore osmate Y <sub>2</sub> Os <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
21	AC magnetic measurement of LiFeAs at pressures up to 5.2 GPa: The relation between T <sub>c</sub> and the structural parameters. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 63, 445-447	0.6	2
20	Inhomogeneous superconductivity in Lu <sub>x</sub> Zr <sub>1-x</sub> B <sub>12</sub> dodecaborides with dynamic charge stripes. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
19	FeTi <sub>2</sub> O <sub>5</sub> : A spin Jahn-Teller transition enhanced by cation substitution. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	1
18	Magnetostructural relationship in the tetrahedral spin-chain oxide CsCoO <sub>2</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	1
17	Magnetism in crown-ether-substituted nitronyl nitroxide derivatives and their metal complexes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2012</b> , 9, 1205-1207		1
16	[Cu(HF <sub>2</sub> ) <sub>2</sub> (pyrazine)] <sub>n</sub> : A Rectangular Antiferromagnetic Lattice with a Spin Exchange Path Made Up of Two Different FHF Bridges. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1611-1614	3.6	1
15	Near-ideal molecule-based Haldane spin chain. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	1
14	Intrinsic Nature of Spontaneous Magnetic Fields in Superconductors with Time-Reversal Symmetry Breaking. <i>Physical Review Letters</i> , <b>2021</b> , 127, 237002	7.4	1
13	Information and Decoherence in a Muon-Fluorine Coupled System. <i>Physical Review Letters</i> , <b>2020</b> , 125, 087201	7.4	1
12	The Internal Field in a Ferromagnetic Crystal with Chiral Molecular Packing of Achiral Organic Radicals. <i>Magnetochemistry</i> , <b>2021</b> , 7, 71	3.1	1
11	Probing magnetic order and disorder in the one-dimensional molecular spin chains CuF(py <sub>2</sub> ) and [Ln(hfac)(boaDTDA)] (Ln = Sm, La) using implanted muons. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 394002	1.8	1
10	Magnetic order and ballistic spin transport in a sine-Gordon spin chain. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	1
9	Muon radical states in some electron donor and acceptor molecules	2000, 38, S27	1

8	Muon radical states in some electron donor and acceptor molecules <b>2000</b> , 38, S27		1
7	Magnetic and Structural Properties of Organic Radicals Based on Thienyl- and Furyl-Substituted Nitronyl Nitroxide. <i>Magnetochemistry</i> , <b>2021</b> , 7, 62	3.1	0
6	Neutron Studies of a High Spin Fe <sup>19</sup> Molecular Nanodisc. <i>Magnetochemistry</i> , <b>2021</b> , 7, 74	3.1	0
5	Quantum field theory lectures of Sidney Coleman. <i>Contemporary Physics</i> , <b>2019</b> , 60, 66-68	3.3	
4	The science and art of seeing. <i>Contemporary Physics</i> , <b>2016</b> , 57, 246-249	3.3	
3	Rücktitelbild: [Cu(HF <sub>2</sub> ) <sub>2</sub> (pyrazine)] <sub>n</sub> : A Rectangular Antiferromagnetic Lattice with a Spin Exchange Path Made Up of Two Different FHF Bridges (Angew. Chem. 7/2011). <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1764-1764	3.6	
2	Back Cover: [Cu(HF <sub>2</sub> ) <sub>2</sub> (pyrazine)] <sub>n</sub> : A Rectangular Antiferromagnetic Lattice with a Spin Exchange Path Made Up of Two Different FHF Bridges (Angew. Chem. Int. Ed. 7/2011). <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1726-1726	16.4	
1	Muon-Spin Rotation Studies of Molecule-Based Magnets 235-256		