

Tom Lancaster

List of Publications by Year in descending order

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242
papers

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citations

101543

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64
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261
all docs

261
docs citations

261
times ranked

5550
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Waves and Revised Crystal Structure of Honeycomb Iridate NaIrO_3 . Physical Review Letters, 2012, 108, 127204.	7.8	502
2	Enhancement of the superconducting transition temperature of FeSe by intercalation of a molecular spacer layer. Nature Materials, 2013, 12, 15-19.	27.5	367
3	Coexistence of static magnetism and superconductivity in $\text{SmFeAsO}_{1-x}\text{F}_x$ as revealed by muon spin rotation. Nature Materials, 2009, 8, 310-314.	27.5	263
4	Structure, antiferromagnetism and superconductivity of the layered iron arsenide NaFeAs. Chemical Communications, 2009, , 2189.	4.1	201
5	Magnetic and non-magnetic phases of a quantum spin liquid. Nature, 2011, 471, 612-616.	27.8	155
6	Coexistence of Magnetic Fluctuations and Superconductivity in the Pnictide High Temperature Superconductor $\text{SmFeAsO}_{1-x}\text{F}_x$ Measured by Muon Spin Rotation. Physical Review Letters, 2008, 101, 097010.	7.8	111
7	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
8	Experimentally determining the exchange parameters of quasi-two-dimensional Heisenberg magnets. New Journal of Physics, 2008, 10, 083025.	2.9	106
9	Magnetic order in the quasi-one-dimensional spin-1/2 molecular chain compound copper pyrazine dinitrate. Physical Review B, 2006, 73, .	3.2	82
10	Strong H \cdots F Hydrogen Bonds as Synthons in Polymeric Quantum Magnets: Structural, Magnetic, and Theoretical Characterization of $[\text{Cu}(\text{HF}_2)(\text{pyrazine})_2]\text{SbF}_6$, $[\text{Cu}_2\text{F}(\text{HF})(\text{HF}_2)(\text{pyrazine})_4](\text{SbF}_6)_2$, and $[\text{CuAg}(\text{H}_3\text{F}_4)(\text{pyrazine})_5](\text{SbF}_6)_2$. Journal of the American Chemical Society, 2009, 131, 6733-6747.	13.7	76
11	Playing quantum hide-and-seek with the muon: localizing muon stopping sites. Physica Scripta, 2013, 88, 068510.	2.5	67
12	Compositional Control of the Superconducting Properties of LiFeAs. Journal of the American Chemical Society, 2010, 132, 10467-10476.	13.7	64
13	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
14	$[\text{Cu}(\text{HF}_2)(\text{pyz})_2]\text{BF}_4$ (pyz = pyrazine): long-range magnetic ordering in a pseudo-cubic coordination polymer comprised of bridging HF $_2$ and pyrazine ligands. Chemical Communications, 2006, , 4894.	4.1	59
15	Magnetic order in the $S=1/2$ two-dimensional molecular antiferromagnet copper pyrazine perchlorate $\text{Cu}(\text{Pz})_2(\text{ClO}_4)_2$. Physical Review B, 2007, 75, .	3.2	59
16	Experimental and Theoretical Characterization of the Magnetic Properties of $\text{CuF}_2(\text{H}_2\text{O})_2(\text{pyz})_2$ (pyz = pyrazine): A Two-Dimensional Quantum Magnet Arising from Supersuperexchange Interactions through Hydrogen Bonded Paths. Chemistry of Materials, 2008, 20, 7408-7416.	6.7	59
17	Lattice-Site-Specific Spin Dynamics in Double Perovskite $\text{Sr}_2\text{FeMoO}_6$. Physical Review Letters, 2014, 112, 147202.	7.8	59
18	Magnetic ordering and dynamics in the XY pyrochlore antiferromagnet: a muon-spin relaxation study of $\text{Er}_2\text{Ti}_2\text{O}_7$ and $\text{Er}_2\text{Sn}_2\text{O}_7$. Journal of Physics Condensed Matter, 2005, 17, 979-988.	1.8	58

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19	Low-Temperature Spin Diffusion in a Highly Ideal $S=1/2$ Heisenberg Antiferromagnetic Chain Studied by Muon Spin Relaxation. <i>Physical Review Letters</i> , 2006, 96, 247203.	7.8	58
20	Quantum states of muons in fluorides. <i>Physical Review B</i> , 2013, 87, .	3.2	57
21	Muon-Fluorine Entangled States in Molecular Magnets. <i>Physical Review Letters</i> , 2007, 99, 267601.	7.8	48
22	Two-dimensional X - Y behavior observed in quasi-two-dimensional quantum Heisenberg antiferromagnets. <i>Physical Review B</i> , 2009, 79,	3.2	48
23	Muon spin relaxation investigation of magnetic ordering in the hybrid organic-inorganic perovskites $[Mn^{2+}(\text{pyrazine})_2(\text{NO}_2)_2]^{2+}$. <i>Physical Review B</i> , 2010, 82, .	3.2	47
24	Local magnetism and spin correlations in the geometrically frustrated cluster magnet $\text{LiZn}_2\text{Mn}_4\text{O}_{10}$. <i>Physical Review B</i> , 2014, 89, .	3.2	46
25	Measurement of the internal magnetic field in the correlated iridates CaIrO_6 , $\text{Ca}_5\text{Ir}_3\text{O}_{12}$, $\text{Sr}_3\text{Ir}_2\text{O}_7$ and Sr_2IrO_4 . <i>Physical Review B</i> , 2011, 83, .	3.2	45
26	Dimensionality Selection in a Molecule-Based Magnet. <i>Physical Review Letters</i> , 2012, 108, 077208.	7.8	45
27	Enhanced superfluid stiffness, lowered superconducting transition temperature, and field-induced magnetic state of the pnictide superconductor LiFeAs . <i>Physical Review B</i> , 2009, 79, .	3.2	44
28	Gradual destruction of magnetism in the superconducting family $\text{NaFe}_x\text{Co}_{1-x}\text{As}$. <i>Physical Review B</i> , 2012, 85, .	3.2	44
29	Room-temperature helimagnetism in FeGe thin films. <i>Scientific Reports</i> , 2017, 7, 123.	3.3	44
30	Experimental and Theoretical Electron Density Analysis of Copper Pyrazine Nitrate Quasi-Low-Dimensional Quantum Magnets. <i>Journal of the American Chemical Society</i> , 2016, 138, 2280-2291.	13.7	42
31	Magnetic order in the purely organic quasi-one-dimensional ferromagnet 2-benzimidazolyl nitronyl nitroxide. <i>Physical Review B</i> , 2010, 82, .	3.2	41
32	$\text{Cu}(\text{HCO}_2)_2(\text{pym})$ (pym = pyrimidine): A Low-Dimensional Magnetic Behavior and Long-Range Ordering in a Quantum-Spin Lattice. <i>Inorganic Chemistry</i> , 2005, 44, 989-995.	4.0	40
33	Importance of Halogen-Halogen Contacts for the Structural and Magnetic Properties of $\text{Cu}_2(\text{pyrazine-}N,N\text{-}N_2\text{-}N_2\text{-}dioxide)(\text{H}_2\text{O})_2$ ($X = \text{Cl}$ and Br). <i>Inorganic Chemistry</i> , 2012, 51, 2121-2129.	4.0	38
34	Strong Coupling of Microwave Photons to Antiferromagnetic Fluctuations in an Organic Magnet. <i>Physical Review Letters</i> , 2017, 119, 147701.	7.8	38
35	Probing magnetic order in LiMPO .		

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37	Proposal for a micromagnetic standard problem for materials with Dzyaloshinskiiâ€Moriya interaction. New Journal of Physics, 2018, 20, 113015.	2.9	35
38	Magnetic order in quasi-two-dimensional molecular magnets investigated with muon-spin relaxation. Physical Review B, 2011, 84, .	3.2	34
39	Muons as a probe of magnetism in molecule-based low dimensional magnets. Journal of Physics Condensed Matter, 2004, 16, S4563-S4582.	1.8	33
40	Thermodynamic and magnetic properties of the layered triangular magnet NaNiO ₂ . Physical Review B, 2005, 72, .	3.2	32
41	Evolution of magnetic interactions in a pressure-induced Jahn-Teller driven magnetic dimensionality switch. Physical Review B, 2013, 87, .	3.2	32
42	Increased lifetime of metastable skyrmions by controlled doping. Physical Review B, 2019, 100, .	3.2	32
43	Quantum phases and spin liquid properties of 1T-TaS ₂ . Npj Quantum Materials, 2021, 6, .	5.2	32
44	Low-moment magnetism in the double perovskites Ba ₂ Mn ₂ OsO ₁₀ . Physical Review B, 2017, 95, 020407.	3.2	31
45	Structural, Electronic, and Magnetic Properties of Quasi-1D Quantum Magnets [Ni(HF ₂) ₂ (pyz) ₂] _x (pyz = pyrazine; X = PF ₆ ⁻), Tj ETQq1 1 0.784314 rgBT/Overl	4.0	30
46	Quantum Griffiths Phase Inside the Ferromagnetic Phase of Ni ₂ V ₂ O ₇ . Physical Review Letters, 2017, 118, 267202.	7.8	28
47	Magnetism in Geometrically Frustrated YMnO ₃ under Hydrostatic Pressure Studied with Muon Spin Relaxation. Physical Review Letters, 2007, 98, 197203.	1.3	28
48	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
49	Spin diffusion in the low-dimensional molecular quantum Heisenberg antiferromagnet Cu ₂ Si ₂ O ₇ with implanted muons. Physical Review B, 2015, 91, .	1.3	28
50	Spin dynamics and field-induced magnetic phase transition in the honeycomb Kitaev magnet Li_2IrO_4 . Physical Review B, 2019, 99, .	1.3	28
51	μ SR in polymers. Physica B: Condensed Matter, 2003, 326, 34-40.	2.7	27
52	Frustration of Magnetic and Ferroelectric Long-Range Order in Bi ₂ Mn _{4/3} Ni _{2/3} O ₆ . Journal of the American Chemical Society, 2009, 131, 14000-14017.	13.7	27
53	Characterization of the Antiferromagnetism in Ag(py ₂)(S ₂ O ₈) (py ₂ = Pyrazine) with a Two-Dimensional Square Lattice of Ag ²⁺ Ions. Journal of the American Chemical Society, 2009, 131, 4590-4591.	13.7	27
54	Studies of a Large Odd-Numbered Odd-Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr ₈ Mn. Chemistry - A European Journal, 2016, 22, 1779-1788.	3.3	27

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55	Surface dynamics of a thin polystyrene film probed by low-energy muons. Physical Review B, 2005, 72, .	3.2	26
56	Kagome staircase compounds Ni ₃ V ₂ O ₈ and Co ₃ V ₂ O ₈ studied with implanted muons. Physical Review B, 2007, 75, .	3.2	26
57	Spin freezing and dynamics in $\text{CaMn}_2\text{P}_2\text{O}_{14}$. Physical Review B, 2009, 80, .	3.2	26
58	La ₂ SrCr ₂ O ₇ F ₂ : A Ruddlesden-Popper Oxyfluoride Containing Octahedrally Coordinated Cr ⁴⁺ Centers. Inorganic Chemistry, 2016, 55, 3169-3174.	4.0	26
59	Controlling Magnetic Order and Quantum Disorder in Molecule-Based Magnets. Physical Review Letters, 2014, 112, .	7.8	24
60	Skyrmions in magnetic materials. Contemporary Physics, 2019, 60, 246-261.	1.8	24
61	$\frac{1}{4}$ SR studies of organic and molecular magnets. Polyhedron, 2003, 22, 1973-1980.	2.2	23
62	Unconventional magnetic properties of the weakly ferromagnetic metal BaIrO ₃ . Physical Review B, 2005, 71, .	3.2	23
63	Muon-spin relaxation measurements on the dimerized spin-1/2 chains NaTiSi ₂ O ₆ and TiOCl. Physical Review B, 2007, 75, .	3.2	23
64	Low-Field Superconducting Phase of TMTSF_2X (X = Cl, Br, I, NCS; pyz = Pyrazine). Physical Review Letters, 2013, 110, 107005.	7.8	23
65	Antiferromagnetism in a Family of $S = 1$ Square Lattice Coordination Polymers NiX ₂ (pyz) ₂ (X = Cl, Br, I, NCS; pyz = Pyrazine). Inorganic Chemistry, 2016, 55, 3515-3529.	4.0	23
66	Adiabatic physics of an exchange-coupled spin-dimer system: Magnetocaloric effect, zero-point fluctuations, and possible two-dimensional universal behavior. Physical Review B, 2017, 95, .	3.2	23
67	Local magnetism and spin dynamics of the frustrated honeycomb rhodate $\text{Li}_2\text{M}_2\text{O}_7$. Physical Review B, 2017, 96, .	3.2	23
68	Intrinsic magnetic order in Cs ₂ AgF ₄ detected by muon-spin relaxation. Physical Review B, 2007, 75, .	3.2	22
69	Microscopic effects of Dy doping in the topological insulator Bi_2Te_3 . Physical Review B, 2018, 97, .	3.2	22
70	Isotope effect in quasi-two-dimensional metal-organic antiferromagnets. Physical Review B, 2008, 78, .	3.2	21
71	Weak magnetic transitions in pyrochlore Ir_2O_7 . Physical Review B, 2008, 78, .	3.2	21
72	$\frac{1}{4}$ SR study of magnetic order in the organic quasi-one-dimensional ferromagnet F ₄ BlmNN. Physical Review B, 2013, 88, .	3.2	21

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73	La ₂ SrCr ₂ O ₇ : Controlling the Tilting Distortions of $n = 2$ Ruddlesden-Popper Phases through A-Site Cation Order. Inorganic Chemistry, 2016, 55, 8951-8960.	4.0	21
74	From magnetic order to quantum disorder in the Zn-barlowite series of $1/2$ kagomé antiferromagnets. Npj Quantum Materials, 2020, 5, .	5.2	21
75	Origin of Magnetic Ordering in a Structurally Perfect Quantum Kagome Antiferromagnet. Physical Review Letters, 2020, 125, 027203.	7.8	21
76	Origin of skyrmion lattice phase splitting in Zn-substituted $\text{Cu}_{2-x}\text{Zn}_x\text{Mn}_2\text{O}_7$ pyroxenes. Physical Review Materials, 2018, 2, .		
77	Capacity measurements on the magnetoelectric and multiferroic pyroxenes LiFeSi and NaFeSi . Physical Review Materials, 2018, 2, .	3.2	20
78	Magnetic phases of skyrmion-hosting GaV_4S_8 . Physical Review Letters, 2018, 121, 087201.		

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91	[Cu(HF ₂) ₂ (pyrazine)] _n : A Rectangular Antiferromagnetic Lattice with a Spin Exchange Path Made Up of Two Different FHF Bridges. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1573-1576.	13.8	17
92	Effect of magnesium doping on the orbital and magnetic order in LiNiO_2 . <i>Physical Review B</i> , 2008, 78, .	3.2	16
93	Phase transition in the localized ferromagnet EuO probed by $^{1/4}\text{SR}$. <i>Physical Review B</i> , 2010, 81, .	3.2	16
94	Influence of HF_2^- geometry on magnetic interactions elucidated from polymorphs of the metal-organic framework $[\text{Ni}(\text{HF}_2)(\text{pyz})_2]\text{PF}_6$ (pyz = pyrazine). <i>Dalton Transactions</i> , 2012, 41, 7235.	3.3	16
95	Magnetic fluctuations and spin freezing in nonsuperconducting LiFeAs derivatives. <i>Physical Review B</i> , 2013, 88, .	3.2	15
96	Stripe disorder and dynamics in the hole-doped antiferromagnetic insulator LaSrCoO_{5-x} . <i>Physical Review B</i> , 2014, 89, .	3.2	15
97	Magnetization dynamics and frustration in the multiferroic double perovskite CoOCoO . <i>Physical Review B</i> , 2016, 93, .	3.2	15
98	Magnetism and orbitally driven spin-singlet states in Ru oxides: A muon-spin rotation study. <i>Physical Review B</i> , 2008, 77, .	3.2	14
99	Anomalous Temperature Evolution of the Internal Magnetic Field Distribution in the Charge-Ordered Triangular Antiferromagnet AgNiO_2 . <i>Physical Review Letters</i> , 2008, 100, 017206.	7.8	14
100	$^{1/4}\text{SR}$ study of organic systems: ferromagnetism, antiferromagnetism, the spin-crossover effect, and fluctuations in magnetic nanodiscs. <i>Physica B: Condensed Matter</i> , 2003, 326, 556-562.	2.7	13
101	Muon-spin relaxation study of the spin-12 molecular chain compound $\text{Cu}(\text{HCO}_2)_2(\text{C}_4\text{H}_4\text{N}_2)$. <i>Physical Review B</i> , 2006, 73, .	3.2	13
102	Relaxation of muon spins in molecular nanomagnets. <i>Physical Review B</i> , 2010, 81, .	3.2	13
103	Persistent dynamics in the RbS_2 chain compound RbS_2 . <i>Physical Review B</i> , 2014, 89, .	3.2	13

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109	Quantum magnetism in molecular spin ladders probed with muon-spin spectroscopy. <i>New Journal of Physics</i> , 2018, 20, 103002.	2.9	12
110	Magnetic order and local field distribution in the hybrid magnets $[\text{FeCp}^*2][\text{MnCr}(\text{ox})3]$ and $[\text{CoCp}^*2][\text{FeFe}(\text{ox})3]$: a muon spin relaxation study. <i>Journal of Materials Chemistry</i> , 2004, 14, 1518-1520.	6.7	11
111	Muon-fluorine entanglement in fluoropolymers. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 346004.	1.8	11
112	Local magnetism and magnetoelectric effect in HoMnO with muon-spin relaxation. <i>Physical Review B</i> , 2010, 81, .	3.2	11
113	Magnetic ground state of the two isostructural polymeric quantum magnets $[\text{Cu}(\text{mo})_4(\text{mo})_4]$. <i>Physical Review B</i> , 2015, 92, .	3.2	11
114	Magnetic order and enhanced exchange in the quasi-one-dimensional molecule-based antiferromagnet $\text{Cu}(\text{NO}_3)_2(\text{pyz})_3$. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1014-1018.	2.8	11
115	Magnetism in the $S=1$ frustrated antiferromagnet GeNi_2O_4 studied using implanted muons. <i>Physical Review B</i> , 2006, 73, .	3.2	10
116	Characteristic muon precession and relaxation signals in FeAs and FeAs_2 . Possible impurity phases in pnictide superconductors. <i>Physical Review B</i> , 2008, 78, .	3.2	10
117	Elucidation of the helical spin structure of FeAs. <i>Physical Review B</i> , 2017, 95, .	3.2	10
118	Enhancing easy-plane anisotropy in bespoke Ni(II) quantum magnets. <i>Polyhedron</i> , 2020, 180, 114379.	2.2	10
119	Spin Jahn-Teller antiferromagnetism in CoTi_2O_5 . <i>Physical Review B</i> , 2019, 99, .	3.2	10
120	Observation of a level crossing in a molecular nanomagnet using implanted muons. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 242201.	1.8	9
121	Magnetic transition and spin dynamics in the triangular Heisenberg antiferromagnet KCrO_2 . <i>Physical Review B</i> , 2013, 88, .	3.2	9
122	Robustness of superconductivity to structural disorder in Sr_2RuO_4 . <i>Physical Review B</i> , 2015, 92, .	3.2	9
123	Muon-spin relaxation study of the double perovskite insulators $\text{Sr}_2\text{B}_2\text{OsO}_6$ ($\text{B} = \text{Fe, Y, In}$). <i>Journal of Physics Condensed Matter</i> , 2016, 28, 076001.	1.8	9
124	Unconventional Field-Induced Spin Gap in an $S=1$ Chiral Staggered Chain. <i>Physical Review Letters</i> , 2019, 122, 057207.	7.8	9
125	Megahertz dynamics in skyrmion systems probed with muon-spin relaxation. <i>Physical Review B</i> , 2021, 103, .	3.2	9
126	Near-ideal molecule-based Haldane spin chain. <i>Physical Review Research</i> , 2020, 2, .	3.6	9

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127	Magnetism and Néel skyrmion dynamics in $\text{GaV}_4\text{S}_8\text{YSe}_2$. Physical Review Research, 2020, 2, .	3.6	9
128	New science with pulsed muons—development ideas at ISIS. Physica B: Condensed Matter, 2003, 326, 260-264.	2.7	8
129	A SR study of the metamagnetic phase transition in the electron-transfer salt. Physica B: Condensed Matter, 2006, 374-375, 114-117.	2.7	8
130	Magnetic field effects on particle trajectories in the muon-spin relaxation experiment: Towards a high-field spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 1578-1587.	1.6	8
131	A Bayesian Approach to Magnetic Moment Determination Using ^1H SR. Physics Procedia, 2012, 30, 113-116.	1.2	8
132	$\text{Mn}(\text{dca})_2(\text{o-phen})$ {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
133	Exchange constants in molecule-based magnets derived from density functional methods. Physical Review B, 2017, 96, .	3.2	8
134	Local magnetism, magnetic order and spin freezing in the $\tilde{\text{nonmetallic metal}}^{\text{TM}}$ FeCrAs. Journal of Physics Condensed Matter, 2019, 31, 285803.	1.8	8
135	Establishing magneto-structural relationships in the solid solutions of the skyrmion hosting family of materials: $\text{GaV}_4\text{S}_8\text{YSe}_2$. Scientific Reports, 2020, 10, 9813.	3.3	8
136	Extremely well isolated two-dimensional spin- $\frac{1}{2}$ antiferromagnetic Heisenberg layers with a small exchange coupling in the molecular-based magnet CuPOF. Physical Review B, 2020, 102, .	3.2	8
137	Muon sites in PbF_2 and YF_3 : Decohering environments and the role of anion Frenkel defects. Physical Review B, 2021, 104, .	3.2	8
138	^1H SR studies of layered organic superconductors: vortex phases, penetration depth and anomalous superfluid properties. Synthetic Metals, 2005, 152, 417-420.	3.9	7
139	Muon-spin relaxation studies of the low-dimensional molecular compounds $\text{Mn}(\text{dca})_2(\text{pyz})$ and $\text{Fe}(\text{NCS})_2(\text{pyz})_2$. Physica B: Condensed Matter, 2006, 374-375, 118-121.	2.7	7
140	$\text{Ag}(\text{nic})_2$ (nic = Nicotinate): A Spin-Canted Quasi-2D Antiferromagnet Composed of Square-Planar Ag^{I} Ions. Inorganic Chemistry, 2012, 51, 1989-1991.	4.0	7
141	A muon spin relaxation study of the metal-organic magnet $\text{Ni}(\text{TCNQ})_2$. Journal of Applied Physics, 2013, 113, .	2.5	7
142	Probing the magnetic phases in the Ni-V alloy close to the disordered ferromagnetic quantum critical point with ^1H SR. Journal of Physics: Conference Series, 2014, 551, 012003.	0.4	7
143	Determining the anisotropy and exchange parameters of polycrystalline spin-1 magnets. New Journal of Physics, 2019, 21, 093025.	2.9	7
144	Emergence and topological order in classical and quantum systems. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2019, 66, 155-169.	1.4	7

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145	μ^+ -SR studies of the weak ferromagnets CoCO_3 and NiCO_3 . <i>Physica B: Condensed Matter</i> , 2003, 326, 522-526.	2.7	6
146	A μ^+ -SR study of the rare earth antiferromagnet PrO_2 . <i>Journal of Physics Condensed Matter</i> , 2003, 15, 8407-8415.	1.8	6
147	HiFi "A new high field muon spectrometer at ISIS. <i>Physica B: Condensed Matter</i> , 2009, 404, 978-981.	2.7	6
148	Spin fluctuations and orbital ordering in quasi-one-dimensional $\mu^{\pm}\text{-Cu}(\text{dca})_2(\text{pyz})$ {dca=dicyanamide= $\text{N}(\text{CN})_2$; pyz=pyrazine}, a molecular analogue of KCuF_3 . <i>Polyhedron</i> , 2010, 29, 514-520.	2.2	6
149	Bimetallic MOFs (H_3O) $_x$ [$\text{Cu}(\text{MF}_6)$](pyrazine) $_2$ (μ^+) μ^+ ETQq1 1 0.784314 rgBT	4.1	6
150	disordered quantum spins in the V^{4+} system. <i>Chemical Communications</i> , 2016, 52, 12653-12656.		
150	Effect of disorder on a pressure-induced quantum phase transition. <i>Physical Review B</i> , 2016, 94, .	3.2	5
151	Quantum-critical spin dynamics in a Tomonaga-Luttinger liquid studied with muon-spin relaxation. <i>Physical Review B</i> , 2017, 95, .	3.2	6
152	Magnetic order and ballistic spin transport in a sine-Gordon spin chain. <i>Physical Review B</i> , 2021, 103, .	3.2	6
153	Simulations of the experiment. <i>Physica B: Condensed Matter</i> , 2006, 374-375, 480-483.	2.7	5
154	Publisher's Note: Effect of magnesium doping on the orbital and magnetic order in LiNiO_2 . <i>Physical Review B</i> , 2008, 78, 104409 (2008).	3.2	5
155	Superconductivity and fluctuating magnetism in quasi-two-dimensional $\mu^{\pm}\text{-(BEDT-TTF)}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ probed with implanted muons. <i>Physical Review B</i> , 2011, 83, 080407 (2011).	3.2	5
156	Local magnetism in the molecule-based metamagnet $[\text{Ru}(\text{N}(\text{CN})_2)_2]_x(\text{O})_y$. <i>Physical Review B</i> , 2014, 89, .	3.2	5
157	Dipolar ordering in a molecular nanomagnet detected using muon spin relaxation. <i>Physical Review B</i> , 2014, 89, .	3.2	5
158	Magnetic phase diagram of $\text{La}(\text{N}(\text{CN})_2)_2$ using muon-spin relaxation. <i>Physical Review B</i> , 2016, 93, .	3.2	5
159	Quantum mechanical tunneling in the automerization of cyclobutadiene. <i>Journal of Chemical Physics</i> , 2018, 148, 104109.	3.0	5
160	Implications of bond disorder in a $S=1$ kagome lattice. <i>Scientific Reports</i> , 2018, 8, 4745.	3.3	5
161	Magnetic ground state of the one-dimensional ferromagnetic chain compounds		

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163	Ferromagnetism with zero intrinsic magnetization: on Gd-doped. <i>Physica B: Condensed Matter</i> , 2006, 374-375, 34-39.	2.7	4
164	Muon spin relaxation study of LaTiO ₃ and YTiO ₃ . <i>Journal of Physics Condensed Matter</i> , 2008, 20, 465203.	1.8	4
165	Synthesis and characterization of two metallic spin-glass phases of FeMo ₄ Ge ₃ . <i>Physical Review B</i> , 2008, 77, .	3.2	4
166	Evidence for magnetic clusters in Ni _{1-x} V _x close to the quantum critical concentration. <i>Journal of Physics: Conference Series</i> , 2015, 592, 012089.	0.4	4
167	Electrodynamics of molecular organic superconductors studied by $\hat{1}/4$ SR. <i>European Physical Journal Special Topics</i> , 2004, 114, 367-369.	0.2	4
168	Dynamic and static muon-spin relaxation observed above and below the spin-crossover in Fe(II) complexes. <i>European Physical Journal Special Topics</i> , 2004, 114, 601-605.	0.2	4
169	Crystal structure and magnetic modulation in $\hat{1}^2\hat{a}^{\sim}$ Ce ₂ O ₂ FeSe ₂ . <i>Physical Review Materials</i> , 2017, 1, .	2.4	4
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