

# Henrik M RÃ,nnow

## List of Publications by Year in descending order

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252  
papers

9,726  
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41323

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254  
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254  
docs citations

254  
times ranked

8122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Visualisation of Skyrmion Lattice Defect Alignment at Grain Boundaries. <i>Nanoscale Research Letters</i> , 2022, 17, 20.	3.1	1
2	Magnetic structure of the topological semimetal $\text{Co}_3\text{S}_2$ . <i>Physical Review B</i> , 2022, 105, .	1.1	9
3	Randomness and frustration in a square-lattice Heisenberg antiferromagnet. <i>Physical Review B</i> , 2022, 105, .		
4	Influence of static correlation on the magnon dynamics of an itinerant ferromagnet with competing exchange interactions: First-principles study of MnBi. <i>Physical Review Materials</i> , 2022, 6, .	0.9	4
5	Spin dynamics in the square-lattice cupola system $\text{BaCu}_4\text{TiO}_{10}$ . <i>Physical Review B</i> , 2022, 105, .		
6	Tuning Topological Spin Textures in Size-Tailored Chiral Magnet Insulator Particles. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11855-11866.	1.5	1
7	Frustration-driven magnetic fluctuations as the origin of the low-temperature skyrmion phase in $\text{Co}_7\text{Zn}_7\text{Mn}_6$ . <i>Npj Quantum Materials</i> , 2021, 6, .	1.8	16
8	A quantum magnetic analogue to the critical point of water. <i>Nature</i> , 2021, 592, 370-375.	13.7	49
9	Vital role of magnetocrystalline anisotropy in cubic chiral skyrmion hosts. <i>Npj Quantum Materials</i> , 2021, 6, .	1.8	21
10	Author Correction: Vital role of magnetocrystalline anisotropy in cubic chiral skyrmion hosts. <i>Npj Quantum Materials</i> , 2021, 6, .	1.8	3
11	Bespoke open databases would be cheaper and easier to analyse. <i>Nature</i> , 2021, 596, 343-343.	13.7	0
12	Synthesis of murunskite single crystals: A bridge between cuprates and pnictides. <i>Applied Materials Today</i> , 2021, 24, 101096.	2.3	0
13	Triplons, magnons, and spinons in a single quantum spin system: $\text{SeCuO}_3$ . <i>Physical Review B</i> , 2021, 103, .	1.1	11
14	Magnetic Field Induced Quantum Spin Liquid in the Two Coupled Trillium Lattices of $\text{K}_2\text{Cu}_2\text{O}_7$ .		

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19	Direct Observation of the Statics and Dynamics of Emergent Magnetic Monopoles in a Chiral Magnet. <i>Physical Review Letters</i> , 2020, 125, 137202.	2.9	34
20	Ferrimagnetic $120^\circ$ magnetic structure in $\text{Cu}_2\text{O}$ . <i>Physical Review B</i> , 2020, 102, .	1.1	1
21	High-Temperature Charge-Stripe Correlations in $\text{Co}_2\text{O}_6$ . <i>Physical Review B</i> , .	1.1	3
22	High-Temperature Charge-Stripe Correlations in $\text{La}_{1.675}\text{Mn}_2\text{O}_7$ . <i>Physical Review Letters</i> , 2020, 124, 187002.	2.9	16
23	Melting of a skyrmion lattice to a skyrmion liquid via a hexatic phase. <i>Nature Nanotechnology</i> , 2020, 15, 761-767.	15.6	63
24	Hidden, entangled and resonating order. <i>Nature Reviews Materials</i> , 2020, 5, 477-479.	23.3	18
25	Temperature dependence of the $(\pi, 0)$ anomaly in the excitation spectrum of the 2D quantum Heisenberg antiferromagnet. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 374007.	0.7	3
26	In situ control of the helical and skyrmion phases in $\text{Cu}_2\text{OSeO}_3$ using high-pressure helium gas up to 5 kbar. <i>Physical Review B</i> , 2020, 101, .	1.1	3
27	Energy domain versus time domain precursor fluctuations above the Verwey transition in magnetite. <i>Physical Review B</i> , 2020, 101, .	1.1	3
28	Exchange Interactions Mediated by Nonmagnetic Cations in Double Perovskites. <i>Physical Review Letters</i> , 2020, 124, 077202.	2.9	23
29	High field magnetization of $\text{FePS}_3$ . <i>Physical Review B</i> , 2020, 101, .	1.1	3
30	Staggered flux state for rectangular-lattice spin-1/2 Heisenberg antiferromagnets. <i>Physical Review B</i> , 2020, 102, .	1.1	3
31	Correlation between site occupancies and spin-glass transition in skyrmion host $\text{Co}_2\text{Zn}_{10}\text{O}_{22}$ . <i>Physical Review B</i> , 2019, 100, .	1.1	3
32	Persistent antiferromagnetic order in heavily overdoped $\text{Ca}_{1-x}\text{La}_x\text{FeAs}_2$ . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 485705.	0.7	2
33	Deformation of the moving magnetic skyrmion lattice in MnSi under electric current flow. <i>Communications Physics</i> , 2019, 2, .	2.0	18
34	Magnetic and structural properties of Ni-substituted magnetoelectric $\text{Co}_4\text{Nb}_2\text{O}_{20}$ . <i>Physical Review B</i> , 2019, 100, .	1.1	12
35	Field-induced anisotropy in the quasi-two-dimensional weakly anisotropic antiferromagnet $[\text{CuCl}(\text{pyz})_2]\text{BF}_4$ . <i>Physical Review B</i> , 2019, 99, .	1.1	3
36	Publisher's Note: Topological spin-hedgehog crystals of a chiral magnet as engineered with magnetic anisotropy [Phys. Rev. B 96, 220414(R) (2017)]. <i>Physical Review B</i> , 2019, 99, .	1.1	0

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37	Exact diagonalization study of the Hubbard-parametrized four-spin ring exchange model on a square lattice. <i>Physical Review B</i> , 2019, 99, .	1.1	10
38	Strain-engineering Mott-insulating La <sub>2</sub> CuO <sub>4</sub> . <i>Nature Communications</i> , 2019, 10, 786.	5.8	35
39	Quantification of the local magnetized nanotube domains accelerating the photocatalytic removal of the emerging pollutant tetracycline. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 450-458.	10.8	68
40	Publisher's Note: Skyrmion formation in a bulk chiral magnet at zero magnetic field and above room temperature [ <i>Phys. Rev. Materials</i> <b>1</b> (2017)]. <i>Physical Review Materials</i> , 2019, 3, .	0.9	0
41	Suppression of Magnetic Order before the Superconducting Dome in MnP. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 023703.	0.7	7
42	Homo- and Heterodinuclear Iron Clathrochelate Complexes with Functional Groups in the Ligand Periphery. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3118-3125.	1.0	10
43	Control of magnetoelectric quadrupole order in $K\text{Pb}_2\text{O}_7$ . <i>Physical Review B</i> , 2018, 97, .	1.1	21
44	$^{1/4}\text{SR}$ Investigation of the Shastry-Sutherland Compound $\text{SrCu}_2(\text{BO}_3)_2$ . , 2018, , .		2
45	Note: Commercial SQUID magnetometer-compatible NMR probe and its application for studying a quantum magnet. <i>Review of Scientific Instruments</i> , 2018, 89, 046101.	0.6	3
46	Prototype of the novel CAMEA concept: A backend for neutron spectrometers. <i>Review of Scientific Instruments</i> , 2018, 89, 015105.	0.6	6
47	24-spin clusters in the mineral boleite $\text{K}_2\text{Pb}_2\text{O}_7$ . <i>Physical Review B</i> , 2018, 97, .	1.1	20
48	Low-Field Bi-Skyrmion Formation in a Noncentrosymmetric Chimney Ladder Ferromagnet. <i>Physical Review Letters</i> , 2018, 120, 037203.	2.9	25
49	Dispersive magnetic and electronic excitations in iridate perovskites probed by oxygen $K$ -edge resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2018, 97, .	1.1	20
50	Direct bonded HOPG $\alpha$ Analyzer support without background source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 888, 218-221.	0.7	0
51	Laser-Induced Skyrmion Writing and Erasing in an Ultrafast Cryo-Lorentz Transmission Electron Microscope. <i>Physical Review Letters</i> , 2018, 120, 117201.	2.9	115
52	Chemical tunnel-splitting-engineering in a dysprosium-based molecular nanomagnet. <i>Nature Communications</i> , 2018, 9, 1292.	5.8	81
53	Multiple- $q$ noncollinear magnetism in an itinerant hexagonal magnet. <i>Science Advances</i> , 2018, 4, eaau3402.	4.7	47
54	Probing multi-spinon excitations outside of the two-spinon continuum in the antiferromagnetic spin chain cuprate $\text{Sr}_2\text{CuO}_3$ . <i>Nature Communications</i> , 2018, 9, 5394.	5.8	39

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55	Controlling the helicity of magnetic skyrmions in a $\hat{I}^2$ -Mn-type high-temperature chiral magnet. Physical Review B, 2018, 98, .	1.1	32
56	Disordered skyrmion phase stabilized by magnetic frustration in a chiral magnet. Science Advances, 2018, 4, eaar7043.	4.7	83
57	Electric Field-Driven Topological Phase Switching and Skyrmion Lattice Metastability in Magnetoelastic $\text{Cu}_2\text{OSeO}_3$ . Physical Review Applied, 2018, 10, .	1.5	25
58	In Situ Electric Field Skyrmion Creation in Magnetoelastic $\text{Cu}_2\text{OSeO}_3$ . Nano Letters, 2018, 18, 5167-5171.	4.5	43
59	Direct electric field control of the skyrmion phase in a magnetoelastic insulator. Scientific Reports, 2018, 8, 10466.	1.6	30
60	Singlet state formation and its impact on the magnetic structure in the tetramer system $\text{SeCuO}_3$ . Physical Review B, 2018, 98, .	1.1	5
61	Negative-pressure-induced helimagnetism in ferromagnetic cubic perovskites $\text{Sr}_{1-x}\text{Ba}_x\text{CoO}_3$ . Physical Review Materials, 2018, 2, .	0.9	6
62	Hallmarks of Hund's coupling in the Mott insulator $\text{Ca}_2\text{RuO}_4$ . Nature Communications, 2017, 8, 15176.	5.8	66
63	Evaluation of HOPG mounting possibilities for multiplexing spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 858, 30-35.	0.7	4
64	Single-chip electron spin resonance detectors operating at 50 GHz, 92 GHz, and 146 GHz. Journal of Magnetic Resonance, 2017, 278, 113-121.	1.2	26
65	The thermal triple-axis-spectrometer EIGER at the continuous spallation source SINQ. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 853, 16-19.	0.7	30
66	Electronic and magnetic excitations in the half-stuffed Cu-O planes of $\text{Ba}_2\text{Cu}_4\text{Cl}_2$ measured by resonant inelastic x-ray scattering. Physical Review B, 2017, 96, .	1.1	9
67	Magnetic Skyrmions and Skyrmion Clusters in the Helical Phase of $\text{Cu}_2\text{OSeO}_3$ . Nano Letters, 2017, 17, 1372-1376.	2.9	46
68	square-lattice Heisenberg antiferromagnets with $\text{d}_{xy}^2$ spins: $\text{MoOPO}_4$ . Physical Review B, 2017, 95, .	1.1	20
69	Damped spin excitations in a doped cuprate superconductor with orbital hybridization. Physical Review B, 2017, 95, .	1.1	16
70	4-spin plaquette singlet state in the Shastry-Sutherland compound $\text{SrCu}_2(\text{BO}_3)_2$ . Nature Physics, 2017, 13, 962-966.	6.5	75
71	square lattice antiferromagnetism in the orbitally quenched insulator $\text{MoOPO}_4$ . Physical Review B, 2017, 96, .	1.1	10
72	Clean, cleaved surfaces of the photovoltaic perovskite. Scientific Reports, 2017, 7, 695.	1.6	27



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91	Robust metastable skyrmions and their triangular square lattice structural transition in a high-temperature chiral magnet. Nature Materials, 2016, 15, 1237-1242.	13.3	196
92	Dinuclear clathrochelate complexes with pendent cyano groups as metalloligands. Dalton Transactions, 2016, 45, 15507-15516.	1.6	19
93	Possibility of an unconventional spin state of $\text{Ir}^{4+}$ in $\text{Ba}_2\text{IrO}_4$ single crystal. Physical Review B, 2016, 94, .	1.1	0
94	Converse effect of pressure on the quadrupolar and magnetic transition in $\text{Ce}_3\text{Pd}_2\text{O}_{16}$ . Physical Review B, 2016, 93, .	1.1	1
95	Origin of the Spin-Orbital Liquid State in a Nearly $\text{IrO}_2$ Iridate $\text{Ba}_3\text{Zr}_2\text{O}_{10}$ . Physical Review Letters, 2016, 116, 197202.	2.9	58
96	Dimensional Reduction in Quantum Dipolar Antiferromagnets. Physical Review Letters, 2016, 116, 197202.	2.9	9
97	Spin excitations in the skyrmion host $\text{Cu}_2\text{OSeO}_3$ . Physical Review B, 2016, 93, .	1.1	16
98	Pressure dependence of the structure and electronic properties of $\text{Sr}_3\text{O}_7$ . Physical Review B, 2016, 93, .	1.1	21
99	Neutral Aminyl Radicals Derived from Azoimidazolium Dyes. Journal of the American Chemical Society, 2016, 138, 15126-15129.	6.6	40
100			

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109	Quantum critical scaling for a Heisenberg spin- $\frac{1}{2}$ chain around saturation. Physical Review B, 2015, 92, .		
110	Sc <sub>2</sub> Ga <sub>2</sub> CuO <sub>7</sub> : A possible quantum spin liquid near the percolation threshold. Physical Review B, 2015, 92, .	1.1	12
111	Publisher's Note: Spin-orbit-induced orbital excitations in Sr <sub>2</sub> RuO <sub>4</sub> and Ca <sub>2</sub> RuO <sub>4</sub> : A resonant inelastic x-ray scattering study [Phys. Rev. B 91, 155104 (2015)]. Physical Review B, 2015, 91, .	1.1	2
112	One-dimensional quantum magnetism in the anhydrous alum KTi(SO <sub>4</sub> ) <sub>2</sub> . New Journal of Physics, 2015, 17, 113035.	1.2	12
113	Magnetic Dynamics Studied by Time-Resolved Electron Microscopy. Microscopy and Microanalysis, 2015, 21, 649-650.	0.2	0
114	Filming the formation and fluctuation of skyrmion domains by cryo-Lorentz transmission electron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14212-14217.	3.3	68
115	The use of selected neutron absorption resonance filters to suppress spurious events on hot neutron spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 780, 9-14.	0.7	2
116	Evidence of quantum dimer excitations in Sr <sub>3</sub> VO <sub>7</sub> . Physical Review B, 2015, 92, .	1.1	44
117	A new class of chiral materials hosting magnetic skyrmions beyond room temperature. Nature Communications, 2015, 6, 7638.	5.8	411
118	Pressure induced evolution of superconductivity and magnetic hourglass dispersion in Fe <sub>1.02</sub> Te <sub>0.7</sub> Se <sub>0.3</sub> . New Journal of Physics, 2015, 17, 043020.	1.2	0
119	Intrachain antiferromagnetic exchange in a 1D branched-chain built of two different copper(II) centres interlinked by end-on azido and phenoxo bridges: electron density map, electrochemical and magnetic properties. RSC Advances, 2015, 5, 59926-59934.	1.7	14
120	Crystal Structure, Transport, and Magnetic Properties of an Ir <sup>6+</sup> Compound Ba <sub>8</sub> Al <sub>2</sub> IrO <sub>14</sub> . Inorganic Chemistry, 2015, 54, 4371-4376.	1.9	8
121	Néel-type skyrmion lattice with confined orientation in the polar magnetic semiconductor GaV <sub>4</sub> S <sub>8</sub> . Nature Materials, 2015, 14, 1116-1122.	13.3	523
122	Fractional excitations in the square-lattice quantum antiferromagnet. Nature Physics, 2015, 11, 62-68.	6.5	162
123	Nonequilibrium hysteresis and spin relaxation in the mixed-anisotropy dipolar-coupled spin-glass LiHo <sub>0.5</sub> Er <sub>0.5</sub> F <sub>4</sub> . Physical Review B, 2014, 90, .	1.1	3
124	Note: Versatile sample stick for neutron scattering experiments in high electric fields. Review of Scientific Instruments, 2014, 85, 026112.	0.6	6
125	Prismatic analyser concept for neutron spectrometers. Review of Scientific Instruments, 2014, 85, 113908.	0.6	15
126	Critical scaling in the cubic helimagnet CuOSeO. Physical Review B, 2014, 89, .	1.4	50



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127	Order Occupancies and the putative $\text{CuO}$ state in $\text{Ba}_2\text{IrO}_4$ . Physical Review B, 2014, 89, .	1.1	36
128	Anisotropic softening of magnetic excitations along the nodal direction in superconducting cuprates. Nature Communications, 2014, 5, 5760.	5.8	48
129	Quantum and thermal ionic motion, oxygen isotope effect, and superexchange distribution in $\text{La}_2\text{CuO}_4$ . Physical Review B, 2014, 89, .	1.1	36
130	An ultra-low temperature scanning Hall probe microscope for magnetic imaging below 40 mK. Review of Scientific Instruments, 2014, 85, 103703.	0.6	7
131	Exploration of the helimagnetic and skyrmion lattice phase diagram in $\text{Cu}_2\text{MnF}_6$ magnetoelectric susceptibility. Physical Review B, 2014, 89, .	2.9	169
132	Temperature dependence of the pressure induced monoclinic distortion in the spin Shastry–Sutherland compound $\text{SrCu}_2(\text{BO}_3)_2$ . Solid State Communications, 2014, 186, 13-17.	0.9	13
133	Chirality of structure and magnetism in the magnetoelectric compound $\text{Cu}_2\text{MnF}_6$ . Physical Review B, 2014, 89, .	2.9	169
134	Bilayer splitting and wave functions symmetry in $\text{Sr}_3\text{Li}_2\text{Cu}_5\text{O}_{13}$ . Physical Review B, 2014, 89, .	2.9	169
135	The electronic structure of the high-symmetry perovskite iridate $\text{Ba}_2\text{IrO}_4$ . New Journal of Physics, 2014, 16, 013008.	1.2	35
136	Electric-Field-Induced Skyrmion Distortion and Giant Lattice Rotation in the Magnetoelectric Insulator $\text{Cu}_2\text{MnF}_6$ . Physical Review Letters, 2014, 113, 107203.	2.9	169
137	$\text{SrCu}_2\text{BO}_3$ . Physical Review Letters, 2013, 110, 187201.	2.9	169
138	Nodal Landau Fermi-liquid quasiparticles in overdoped $\text{La}_{1.77}\text{Sr}_{0.23}\text{CuO}_4$ . Physical Review B, 2014, 89, .	1.1	11
139	High-Pressure Electrical Transport and Specific Heat of the Heavy Fermion Compound $\text{Ce}_3\text{Pd}_{20}\text{Si}_6$ . , 2014, , .		0
140	Robustness of Basal-Plane Antiferromagnetic Order and the $\text{J}_\perp/\text{J}_\parallel$ ratio in Single-Layer Iridate Spin-Orbit Mott Insulators. Physical Review Letters, 2013, 110, 117207.	2.9	107
141	Locking of iridium magnetic moments to the correlated rotation of oxygen octahedra in $\text{Sr}_2\text{IrO}_4$ revealed by x-ray resonant scattering. Journal of Physics Condensed Matter, 2013, 25, 422202.	0.7	86
142	Determining the Short-Range Spin Correlations in the Spin-Chain $\text{Cu}_2\text{O}$ Compounds. Physical Review Letters, 2013, 110, 187403.	2.9	41
143	Field-Induced Quantum Soliton Lattice in a Frustrated Two-Leg Spin Ladder. Physical Review Letters, 2013, 110, 187201.	2.9	27
144	Fractional spinon excitations in the quantum Heisenberg antiferromagnetic chain. Nature Physics, 2013, 9, 435-441.	6.5	224

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145	Electronic structure of $\text{KTi}(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$ : An $S=12$ frustrated chain antiferromagnet. <i>Physical Review B</i> , 2013, 88, .	1.1	5
146	Spin-gap evolution upon Ca doping in the spin-ladder series $\text{Sr}_{14-x}\text{Ca}_x\text{Cu}_2\text{O}_4$ studied by inelastic neutron scattering. <i>Physical Review B</i> , 2013, 88, .	1.1	14
147	Low-energy spin dynamics of the $\nu = 1/2$ Kagome system herbertsmithite. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 106001.	0.7	21
148	Low-temperature spin dynamics of a valence bond glass in $\text{Ba}_2\text{YMoO}_6$ . <i>New Journal of Physics</i> , 2013, 15, 043024.	1.2	19
149	Temperature dependent electron-phonon coupling in $\text{LaSr}_{1-x}\text{Ca}_x\text{Cu}_2\text{O}_4$ . <i>Physical Review B</i> , 2013, 88, .	1.1	26
150	Classy low-energy spin fluctuations and anisotropy gap in $\text{LaSr}_{1-x}\text{Ca}_x\text{Cu}_2\text{O}_4$ . <i>Physical Review B</i> , 2013, 88, .	1.1	23
151	Phase diagram with an enhanced spin-glass region of the mixed Ising $\text{XY}$ magnet $\text{LiHo}_x\text{Er}_{1-x}\text{F}_4$ . <i>Physical Review B</i> , 2013, 88, .	1.1	8
152	High pressure electrical resistivity and specific heat of the heavy fermion compound $\text{CeCoGe}_{2.2}\text{Si}_{0.8}$ . <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 511-514.	0.7	3
153	Magnetic hourglass dispersion and its relation to high-temperature superconductivity in iron-tuned $\text{Fe}_{1+y}\text{Te}_{0.7}\text{Se}_{0.3}$ . <i>New Journal of Physics</i> , 2012, 14, 073025.	1.2	16
154	DC Magnetic Susceptibility of $\text{CeCoGe}_{2.36}\text{Si}_{0.64}$ under High Pressure. <i>Solid State Phenomena</i> , 2012, 190, 405-408.	0.3	0
155	The $\epsilon_{\text{eff}} = \frac{1}{2}$ insulator $\text{Sr}_3\text{Ir}_2\text{O}_7$ studied by means of angle-resolved photoemission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 415602.	0.7	28
156	Electric field control of the skyrmion lattice in $\text{Cu}_2\text{OSeO}_3$ . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 432201.	0.7	127
157	Micro-fabrication process for small transport devices of layered manganite. <i>Journal of Applied Physics</i> , 2012, 111, 07E129.	1.1	1
158	Unified one-band Hubbard model for magnetic and electronic spectra of the parent compounds of cuprate superconductors. <i>Physical Review B</i> , 2012, 85, .	1.1	39
159	High pressure phase diagram of $\text{CeCoGe}_{2.2}\text{Si}_{0.8}$ . <i>Journal of Physics: Conference Series</i> , 2012, 391, 012034.	0.3	1
160	Site-selective quantum correlations revealed by magnetic anisotropy in the tetramer system $\text{SeCuO}_3$ . <i>Physical Review B</i> , 2012, 86, .	1.1	17
161	Spin excitations in a single $\text{La}_2\text{CuO}_4$ layer. <i>Nature Materials</i> , 2012, 11, 850-854.	13.3	116
162	Dipolar Antiferromagnetism and Quantum Criticality in $\text{LiErF}_4$ . <i>Science</i> , 2012, 336, 1416-1419.	6.0	42

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163	Anisotropic Cascade of Field-Induced Phase Transitions in the Frustrated Spin-Ladder System $\text{BiCu}_2\text{PO}_4$ Physical Review Letters, 2012, 109, 167204.	2.9	37
164	Phonon Energy Gaps in the Charged Incommensurate Planes of the Spin-Ladder $\text{Sr}_2\text{O}_4$ Compound by Raman and Infrared Spectroscopy. Physical Review Letters, 2012, 108, 217401.	2.9	11
165	Spin-orbital separation in the quasi-one-dimensional Mott insulator $\text{Sr}_2\text{CuO}_3$ . Nature, 2012, 485, 82-85.	13.7	267
166	Effect of Ca substitution on crystal structure and superconducting properties of ferromagnetic superconductor $\text{RuSr}_2\text{Ca}_x\text{Gd}_{1.4}\text{Ce}_{0.6}\text{Cu}_2$ $\text{TaS}_2$ Journal of Magnetism and Magnetic Materials, 2011, 311, 84.	1.0	0
167	Strong coupling of Sm and Fe magnetism in $\text{SmFeAsO}$ as revealed by magnetic x-ray scattering. Physical Review B, 2011, 84, .	1.1	33
168	SR investigation of magnetism and magnetoelectric coupling in $\text{Cu}_2\text{OSeO}_4$ $\text{Cu}_2\text{OSeO}_4$	1.1	22
169	Magnetic Field-Induced Closure of the Spin Excitation Gap near Optimal Doping in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . Journal of the Physical Society of Japan, 2011, 80, SB030.	0.7	1
170	Spangolite: ans= 1/2 maple leaf lattice antiferromagnet?. Journal of Physics Condensed Matter, 2011, 23, 164201.	0.7	16
171	Yb <sub>2</sub> Ti <sub>7</sub> O <sub>7</sub> : Compelling Evidence for Significant Anisotropic Exchange in a Magnetic Pyrochlore Oxide. Physical Review Letters, 2011, 106, 187202.	2.9	94
172	Spatial inhomogeneity in $\text{RFeAsO}_{1-x}\text{Fx}$ (R=Pr, Nd) determined from rare-earth crystal-field excitations. Physical Review B, 2011, 83, .	1.1	11
173	Pair correlations, short-range order, and dispersive excitations in the quasi-kagome quantum magnet volborthite. Physical Review B, 2011, 84, .	1.1	24
174	Crystal growth and characterization of the dilutable frustrated spin-ladder compound $\text{Bi}(\text{Cu}_{1-x}\text{Zn}_x)_2\text{PO}_6$ . Journal of Crystal Growth, 2010, 313, 51-55.	0.7	20
175	Evidence for core-hole-mediated inelastic x-ray scattering from metallic $\text{Fe}(\text{TaS}_2)$ Physical Review B, 2010, 82, .	1.1	40
176	Superconducting phase in the layered dichalcogenide $\text{TaS}_2$ inhibition of the metal-insulator transition. Physical Review B, 2010, 81, .	1.1	42
177	Two-dimensional square-lattice $S=1/2$ antiferromagnet $\text{Cu}(\text{pz})_2(\text{ClO}_4)_2$ . Physical Review B, 2010, 81, .	1.1	49
178	Measurement of Magnetic Excitations in the Two-Dimensional Antiferromagnetic $\text{Sr}_2\text{O}_4$ Using Resonant X-Ray Scattering: Evidence for Extended Interactions. Physical Review Letters, 2010, 105, 157006.	2.9	11
179	Field-controlled magnetic order in the quantum spin-ladder system $\text{HfP}_2$ Physical Review B, 2009, 79, .	1.1	80
180	Inelastic x-ray scattering study of superconducting $\text{SmFeAsO}$ crystals: Evidence for strong momentum-dependent doping-induced renormalizations of optical phonons. Physical Review B, 2009, 80, .	1.1	11

#	ARTICLE	IF	CITATIONS
181	<p>Determination of the single-ion anisotropy energy in a <math>\langle \mathbb{Z}_2 \rangle</math> spin liquid</p> $S = \frac{1}{2} \sum_{\langle ij \rangle} \tau_{ij}^x \tau_{ij}^y$	1.1	14
182	<p>Evidence for spinon localization in the heat transport of the spin-1 Kagome ladder compound</p> $\chi = \frac{1}{2} \sum_{\langle ij \rangle} \tau_{ij}^x \tau_{ij}^y$		

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199	Magnetic-Field-Induced Spin Excitations and Renormalized Spin Gap of the Underdoped $\text{La}_{1.895}\text{Sr}_{0.105}\text{CuO}_4$ Superconductor. <i>Physical Review Letters</i> , 2007, 98, 077004.	2.9	33
200	Neutron diffraction studies of nuclear and magnetic structures in the $S=1/2$ square Heisenberg antiferromagnets $(\text{d}^{5/2}\text{CAP})_2\text{Cu}_4\text{X}$ ( $\text{X}=\text{Br}$ and $\text{Cl}$ ). <i>Physical Review B</i> , 2007, 75, .	1.1	16
201	Trapping, self-trapping and the polaron family. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 255208.	0.7	182
202	Anisotropy and the critical behaviour of the quasi-2D antiferromagnet,. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 1221-1223.	1.0	29
203	Two energy scales in the spin excitations of the high-temperature superconductor $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Nature Physics</i> , 2007, 3, 163-167.	6.5	184
204	Multiple Magnon Modes and Consequences for the Bose-Einstein Condensed Phase in $\text{BaCuSi}_2\text{O}_6$ . <i>Physical Review Letters</i> , 2007, 98, 017202.	2.9	55
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206	New solid state polarizing bender for cold neutrons. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 1152-1154.	1.3	18
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208	Monte Carlo simulations for instrumentation at SINQ. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 1346-1348.	1.3	1
209	Inelastic neutron scattering experiments with the monochromatic imaging mode of the RITA-II spectrometer. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2006, 246, 452-462.	0.6	18
210	Realizing the full potential of a RITA spectrometer. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 1083-1085.	1.3	26
211	The Swiss spallation neutron source SINQâ€™ developments and upgrades for optimized user service. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 968-971.	1.3	10
212	Incommensurate magnetic ordering in $\text{Cu}_2\text{Te}_2\text{O}_5\text{X}_2$ ( $\text{X}=\text{Cl}, \text{Br}$ ) studied by single crystal neutron diffraction. <i>Physical Review B</i> , 2006, 73, .	1.1	29
213	Static and dynamic critical properties of the quasi-two-dimensional antiferromagnet $\text{MnPS}_3$ . <i>Physical Review B</i> , 2006, 74, .	1.1	99
214	Incommensurate magnetism in the coupled spin tetrahedra system $\text{Cu}_2\text{Te}_2\text{O}_5\text{Cl}_2$ . <i>Low Temperature Physics</i> , 2005, 31, 814-818.	0.2	0
215	Charge ordering, stripes and phase separation in manganese perovskite oxides: An STM/STS study. <i>Materials Science and Engineering C</i> , 2005, 25, 775-778.	3.8	12
216	Three-dimensionality of field-induced magnetism in a high-temperature superconductor. <i>Nature Materials</i> , 2005, 4, 658-662.	13.3	55

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218	Quantum helimagnetism of the frustrated spin- $\hat{A}1/2$ chain LiCuVO 4. <i>Europhysics Letters</i> , 2005, 70, 237-243.	0.7	230
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