

Henrik M RÃ,nnow

List of Publications by Year in descending order

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254
docs citations

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times ranked

8122
citing authors

#	ARTICLE	IF	CITATIONS
1	Néel-type skyrmion lattice with confined orientation in the polar magnetic semiconductor GaV4S8. Nature Materials, 2015, 14, 1116-1122.	13.3	523
2	Antiferromagnetic order induced by an applied magnetic field in a high-temperature superconductor. Nature, 2002, 415, 299-302.	13.7	478
3	A new class of chiral materials hosting magnetic skyrmions beyond room temperature. Nature Communications, 2015, 6, 7638.	5.8	411
4	Spin-orbital separation in the quasi-one-dimensional Mott insulator Sr2CuO3. Nature, 2012, 485, 82-85.	13.7	267
5	Quantum helimagnetism of the frustrated spin-1/2 chain LiCuVO4. Europhysics Letters, 2005, 70, 237-243.	0.7	230
6	Fractional spinon excitations in the quantum Heisenberg antiferromagnetic chain. Nature Physics, 2013, 9, 435-441.	6.5	224
7	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
8	Two energy scales in the spin excitations of the high-temperature superconductor La2-xSrxCuO4. Nature Physics, 2007, 3, 163-167.	6.5	184
9	Trapping, self-trapping and the polaron family. Journal of Physics Condensed Matter, 2007, 19, 255208.	0.7	182
10	Electric-Field-Induced Skyrmion Distortion and Giant Lattice Rotation in the Magnetoelectric Insulator Cu_2OSeO_3 . Physical Review Letters, 2014, 113, 107203.	2.9	169
11	Fractional excitations in the square-lattice quantum antiferromagnet. Nature Physics, 2015, 11, 62-68.	6.5	162
12	Dispersive Excitations in the High-Temperature Superconductor $\text{La}_2\text{xSrxCuO}_4$. Physical Review Letters, 2004, 93, 147002.	2.9	148
13	Electric field control of the skyrmion lattice in Cu_2OSeO_3 . Journal of Physics Condensed Matter, 2012, 24, 432201.	0.7	127
14	Magnetic structure and magnon dynamics of the quasi-two-dimensional antiferromagnet FePS_3 . Physical Review B, 2016, 94, .	11.1	125
15	Scale-Free Antiferromagnetic Fluctuations in the Antiferromagnet Herbertsmithite. Physical Review Letters, 2009, 103, 237201.	2.9	121
16	Spin excitations in a single La_2CuO_4 layer. Nature Materials, 2012, 11, 850-854.	13.3	116
17	Laser-Induced Skyrmion Writing and Erasing in an Ultrafast Cryo-Lorentz Transmission Electron Microscope. Physical Review Letters, 2018, 120, 117201.	2.9	115
18	Quantum Phase Transition of a Magnet in a Spin Bath. Science, 2005, 308, 389-392.	6.0	111

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19	Measurement of Magnetic Excitations in the Two-Dimensional Antiferromagnetic $\text{Ca}_2\text{CuO}_2\text{Cl}_2$ Using Resonant X-Ray Scattering: Evidence for Extended Interactions. <i>Physical Review Letters</i> , 2010, 105, 157206.	2.9	111
20	Tuning competing orders in La_2CuO_4 superconductors by the application of an external magnetic field. <i>Physical Review B</i> , 2008, 78, .	11.1	208
21	Robustness of Basal-Plane Antiferromagnetic Order and the $\text{J}/\text{eff}t$ Ratio in Single-Layer Iridate Spin-Orbit Mott Insulators. <i>Physical Review Letters</i> , 2013, 110, 117207.	2.9	107
22	Direct Observation of Magnon Fractionalization in the Quantum Spin Ladder. <i>Physical Review Letters</i> , 2009, 102, 107204.	2.9	105
23	Collective Magnetic Excitations in the Spin Ladder $\text{Sr}_{14}\text{Cu}_{24}\text{O}_{41}$ Measured Using High-Resolution Resonant Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2009, 103, 047401.	2.9	102
24	Polarons and confinement of electronic motion to two dimensions in a layered manganite. <i>Nature</i> , 2006, 440, 1025-1028.	13.7	100
25	Spin Dynamics of the 2D Spin-1 Quantum Antiferromagnet Copper Deuterioformate Tetradeuterate (CFTD). <i>Physical Review Letters</i> , 2001, 87, 037202.	2.9	99
26	Static and dynamic critical properties of the quasi-two-dimensional antiferromagnet MnPS_3 . <i>Physical Review B</i> , 2006, 74, .	1.1	99
27	Quantum dynamics and entanglement of spins on a square lattice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15264-15269.	3.3	99
28	Rods of Neutron Scattering Intensity in $\text{Yb}_2\text{Ti}_2\text{O}_7$: Compelling Evidence for Significant Anisotropic Exchange in a Magnetic Pyrochlore Oxide. <i>Physical Review Letters</i> , 2011, 106, 187202.	2.9	94
29	The instrument suite of the European Spallation Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 957, 163402.	0.7	90
30	Neutron Decoherence Imaging for Visualizing Bulk Magnetic Domain Structures. <i>Physical Review Letters</i> , 2008, 101, 025504.	2.9	88
31	Locking of iridium magnetic moments to the correlated rotation of oxygen octahedra in Sr_2IrO_4 revealed by x-ray resonant scattering. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 422202.	0.7	86
32	Disordered skyrmion phase stabilized by magnetic frustration in a chiral magnet. <i>Science Advances</i> , 2018, 4, eaar7043.	4.7	83
33	Chemical tunnel-splitting-engineering in a dysprosium-based molecular nanomagnet. <i>Nature Communications</i> , 2018, 9, 1292.	5.8	81
34	Field-controlled magnetic order in the quantum spin-ladder system HfP_2O_7 . <i>Physical Review B</i> , 2009, 79, .	1.1	80
35	4-spin plaquette singlet state in the Shastry-Sutherland compound $\text{SrCu}_2(\text{BO}_3)_2$. <i>Nature Physics</i> , 2017, 13, 962-966.	6.5	75
36	Evidence for an incommensurate magnetic resonance in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. <i>Physical Review B</i> , 2004, 69, .	1.1	74

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55	Anisotropic softening of magnetic excitations along the nodal direction in superconducting cuprates. Nature Communications, 2014, 5, 5760.	5.8	48
56	Multiple- q noncollinear magnetism in an itinerant hexagonal magnet. Science Advances, 2018, 4, eaau3402.	4.7	47
57	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. Physical Review Letters, 2020, 125, 216402.	2.9	47
58	Spin-orbit-induced orbital excitations in Sr_2Ca_2 A resonant inelastic x-ray sca. Physical Review B, 2015, 91, .	1.1	46
59	Magnetic Skyrmions and Skyrmion Clusters in the Helical Phase of Cu_2 Physical Review Letters, 2017, 119, 137201.	2.9	46
60	Added flexibility in triple axis spectrometers: the two RITAs at $\text{RiS}\ddot{\text{A}}$. Physica B: Condensed Matter, 2000, 283, 343-354.	1.3	44
61	Evidence of quantum dimer excitations in Sr_3O_7 Physical Review B, 2015, 92, .	1.1	44
62	In Situ Electric Field Skyrmion Creation in Magnetoelectric Cu_2OSeO_3 . Nano Letters, 2018, 18, 5167-5171.	4.5	43
63	Superconducting phase in the layered dichalcogenide TaS_2 inhibition of the metal-insulator transition. Physical Review B, 2010, 81, .	1.1	42
64	Dipolar Antiferromagnetism and Quantum Criticality in LiErF_4 . Science, 2012, 336, 1416-1419.	6.0	42
65	Magnetic excitations near the quantum phase transition in the Ising ferromagnet LiHoF_4 . Physical Review B, 2007, 75, .	1.1	41
66	Determining the Short-Range Spin Correlations in the Spin-Chain Cu_2O Compounds Using Resonant Inelastic X-Ray Scattering. Physical Review Letters, 2013, 110, 087403.	2.9	41
67	Importance of CuGeO_3 in X Y Physical Review B, 2015, 92, .	1.1	41
68	Neutral Aminyl Radicals Derived from Azoimidazolium Dyes. Journal of the American Chemical Society, 2016, 138, 15126-15129.	6.6	40
69	Unified one-band Hubbard model for magnetic and electronic spectra of the parent compounds of cuprate superconductors. Physical Review B, 2012, 85, .	1.1	39
70	Probing multi-spinon excitations outside of the two-spinon continuum in the antiferromagnetic spin chain cuprate Sr_2CuO_3 . Nature Communications, 2018, 9, 5394.	5.8	39
71	Metastable skyrmion lattices governed by magnetic disorder and anisotropy in I^2 -Mn-type chiral magnets. Physical Review B, 2020, 102, .	1.1	38
72	Anisotropic Cascade of Field-Induced Phase Transitions in the Frustrated Spin-Ladder System BiCu_2PO Physical Review Letters, 2012, 109, 167204.	2.9	37

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73	Pressure dependence of the magnetic order in CrAs: A neutron diffraction investigation. Physical Review B, 2015, 91, .	1.1	37
74	Magnetodielectric detection of magnetic quadrupole order in Ba(TiO)Cu ₄ (PO ₄) ₄ with Cu ₄ O ₁₂ square cupolas. Nature Communications, 2016, 7, 13039.	5.8	37
75	Critical occupancies and the putative commensurate state in Ba Mn_2IrO_6 . Physical Review B, 2014, 89, .	1.1	36
76	Magnetic Excitations and Electronic Interactions in A Spin- Sr_2CuO_7 . Physical Review Letters, 2016, 117, 237203.	2.9	36
77	The electronic structure of the high-symmetry perovskite iridate Ba ₂ IrO ₄ . New Journal of Physics, 2014, 16, 013008.	1.2	35
78	Strain-engineering Mott-insulating La ₂ CuO ₄ . Nature Communications, 2019, 10, 786.	5.8	35
79	Dramatic pressure-driven enhancement of bulk skyrmion stability. Scientific Reports, 2016, 6, 21347.	1.6	34
80	Direct Observation of the Statics and Dynamics of Emergent Magnetic Monopoles in a Chiral Magnet. Physical Review Letters, 2020, 125, 137202.	2.9	34
81	Magnetic-Field-Induced Spin Excitations and Renormalized Spin Gap of the Underdoped La _{1.895} Sr _{0.105} CuO ₄ Superconductor. Physical Review Letters, 2007, 98, 077004.	2.9	33
82	Strong coupling of Sm and Fe magnetism in SmFeAsO as revealed by magnetic x-ray scattering. Physical Review B, 2011, 84, .	1.1	33
83	Neutron Scattering Study of the Field-Induced Soliton Lattice in CuGeO ₃ . Physical Review Letters, 2000, 84, 4469-4472.	2.9	32
84	Controlling the helicity of magnetic skyrmions in a Mn^2+ -type high-temperature chiral magnet. Physical Review B, 2018, 98, .	1.1	32
85	Inelastic x-ray scattering study of superconducting SmFeAsO crystals: Evidence for strong momentum-dependent doping-induced renormalizations of optical phonons. Physical Review B, 2008, 78, .	1.1	31
86	Anomalous spin waves and the commensurate-incommensurate magnetic phase transition in LiNiPO ₄ . Physical Review B, 2009, 79, .	1.1	30
87	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
88	Direct electric field control of the skyrmion phase in a magnetoelectric insulator. Scientific Reports, 2018, 8, 10466.	1.6	30
89	Magnetic correlations in the 2D honeycomb antiferromagnet MnPS ₃ . Physica B: Condensed Matter, 2000, 276-278, 676-677.	1.3	29
90	Incommensurate magnetic ordering in Cu ₂ Te ₂ O ₅ X ₂ (X=Cl,Br) studied by single crystal neutron diffraction. Physical Review B, 2006, 73, .	1.1	29

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91	Anisotropy and the critical behaviour of the quasi-2D antiferromagnet., Journal of Magnetism and Magnetic Materials, 2007, 310, 1221-1223.	1.0	29
92	Exploration of the helimagnetic and skyrmion lattice phase diagram in Cu_2MnGe magnetoelectric susceptibility. Physical Review B, 2014, 89, .	1.1	29
93	Electromagnon dispersion probed by inelastic X-ray scattering in LiCrO_2 . Nature Communications, 2016, 7, 13547.	5.8	29
94	High field magnetization of FePS_3 . Physical Review B, 2020, 101, .	1.1	29
95	The ϵ_{eff} insulator $\text{Sr}_3\text{Ir}_2\text{O}_7$ studied by means of angle-resolved photoemission spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 415602.	0.7	28
96	Field-Induced Quantum Soliton Lattice in a Frustrated Two-Leg Spin-1 Ladder. Physical Review Letters, 2013, 110, 187201.	2.9	27
97	Clean, cleaved surfaces of the photovoltaic perovskite. Scientific Reports, 2017, 7, 695.	1.6	27
98	Realizing the full potential of a RITA spectrometer. Physica B: Condensed Matter, 2006, 385-386, 1083-1085.	1.3	26
99	q -dependent electron-phonon coupling in $\text{LaSr}_2\text{CuO}_7$. Physical Review B, 2006, 74, 040401.	1.1	26
100	Neutron spectroscopic study of crystal field excitations and the effect of the crystal field on dipolar magnetism in $\text{Li}_2\text{R}_2\text{CuO}_4$. Physical Review B, 2006, 74, 040401.	1.1	26
101	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
102	Evidence for spinon localization in the heat transport of the spin-1 ladder compound Cu_2MnGe . Physical Review B, 2014, 89, .	1.1	26

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109	CAMEA "A novel multiplexing analyzer for neutron spectroscopy. Review of Scientific Instruments, 2016, 87, 035109.	0.6	24
110	Direct observation of anisotropic magnetic field response of the spin helix in FeGe thin films. Physical Review B, 2016, 94, .	1.1	24
111	Influence of higher-wave gap harmonics on the dynamical magnetic susceptibility of high-temperature superconductors. Physical Review B, 2004, 70.	1.1	23
112	Glassy low-energy spin fluctuations and anisotropy gap in La _{1-x} Sr _x CoO ₃ . Physical Review B, 2004, 70, 040402.	1.1	23
113	Exchange Interactions Mediated by Nonmagnetic Cations in Double Perovskites. Physical Review Letters, 2020, 124, 077202.	2.9	23
114	SR investigation of magnetism and magnetoelectric coupling in Cu ₂ OSrO ₄ . Physical Review B, 2016, 93, .	1.1	22
115	Crystal structure and magnetic properties of NdFe ₃ Ti ₂ Si ₂ . Physical Review B, 2016, 93, .	1.1	21
116	Correlation between site occupancies and spin-glass transition in skyrmion host Co _{1-x} Zn _x Fe ₂ O ₄ . Physical Review B, 2019, 100, .	1.1	21
117	Low-energy spin dynamics of the <i>s</i> = 1/2 kagome system herbertsmithite. Journal of Physics Condensed Matter, 2013, 25, 106001.	0.7	21
118	Pressure dependence of the structure and electronic properties of Sr ₃ Co ₇ O ₂₁ . Physical Review B, 2016, 93, .	1.1	21
119	Crystal structure and magnetic properties of Ba ₃ Co ₇ O ₂₁ . Physical Review B, 2016, 93, .	1.1	21

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127	Dispersive magnetic and electronic excitations in iridate perovskites probed by oxygen π -edge resonant inelastic x-ray scattering. Physical Review B, 2018, 97, .	1.1	20
128	A New Realisation of the $S = 1/2$ Frustrated Chain Antiferromagnet. Chemistry of Materials, 2008, 20, 8-10.	3.2	19
129	Chromium at high pressures: Weak coupling and strong fluctuations in an itinerant antiferromagnet. Physical Review B, 2008, 77, .	1.1	19
130	Low-temperature spin dynamics of a valence bond glass in Ba_2YMoO_6 . New Journal of Physics, 2013, 15, 043024.	1.2	19
131	Dinuclear clathrochelate complexes with pendent cyano groups as metalloligands. Dalton Transactions, 2016, 45, 15507-15516.	1.6	19
132	New solid state polarizing bender for cold neutrons. Physica B: Condensed Matter, 2006, 385-386, 1152-1154.	1.3	18
133	Inelastic neutron scattering experiments with the monochromatic imaging mode of the RITA-II spectrometer. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 452-462.	0.6	18
134	Deformation of the moving magnetic skyrmion lattice in MnSi under electric current flow. Communications Physics, 2019, 2, .	2.0	18
135	Hidden, entangled and resonating order. Nature Reviews Materials, 2020, 5, 477-479.	23.3	18
136	Deviations from linear spin wave theory in the 2D, $S = 1/2$ Heisenberg antiferromagnet CFTD. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 896-897.	1.0	17
137	Site-selective quantum correlations revealed by magnetic anisotropy in the tetramer system SeCuO_3 . Physical Review B, 2012, 86, .	1.1	17
138	Bilayer splitting and wave functions symmetry in $\text{Sr}_3\text{Mn}_2\text{O}_{10}$. Physical Review B, 2014, 89, .	1.1	17
139	Excitations in the Shastry-Sutherland Compound SrCu_2BO_3 . Physical Review B, 2014, 89, .	1.1	17
140	Neutron diffraction studies of nuclear and magnetic structures in the $S = 1/2$ Heisenberg antiferromagnets $(\text{d}^5\text{CAP})_2\text{CuX}_4$ ($X = \text{Br}, \text{Cl}$). Physical Review B, 2007, 75, .	1.1	16
141	Spangolite: $\text{ans} = 1/2$ maple leaf lattice antiferromagnet?. Journal of Physics Condensed Matter, 2011, 23, 164201.	0.7	16
142	Magnetic hourglass dispersion and its relation to high-temperature superconductivity in iron-tuned $\text{Fe}_{1+y}\text{Te}_{0.7}\text{Se}_{0.3}$. New Journal of Physics, 2012, 14, 073025.	1.2	16
143	Spin excitations in the skyrmion host Cu_2OSeO_3 . Physical Review B, 2016, 93, .	1.1	16
144	Damped spin excitations in a doped cuprate superconductor with orbital hybridization. Physical Review B, 2017, 95, .	1.1	16

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145	High-Temperature Charge-Stripe Correlations in $\text{La}_{1-x}\text{F}_x\text{NiO}_2$. Physical Review Letters, 2020, 124, 187002.	2.9	16
146	Frustration-driven magnetic fluctuations as the origin of the low-temperature skyrmion phase in $\text{Co}_7\text{Zn}_7\text{Mn}_6$. Npj Quantum Materials, 2021, 6, .	1.8	16
147	The performance of a multiplexing three-axis spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 530, 404-409.	0.7	15
148	Prismatic analyser concept for neutron spectrometers. Review of Scientific Instruments, 2014, 85, 113908.	0.6	15
149	Quantum and thermal ionic motion, oxygen isotope effect, and superexchange distribution in La_2CuO_4 . Determination of the single-ion anisotropy energy in La_2CuO_4 .		
150	Spin-gap evolution upon Ca doping in the spin-ladder series $\text{Sr}_{1-x}\text{Ca}_x\text{Cu}_2\text{O}_7$ studied by inelastic neutron scattering. Physical Review B, 2013, 88, .	1.1	14
151	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
153	Phonon Energy Gaps in the Charged Incommensurate Planes of the Spin-Ladder Compound $\text{Sr}_{14}\text{O}_{41}$ by Raman and Infrared Spectroscopy. Physical Review Letters, 2012, 108, 217401.	0.9	13
154	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
155	Magnetic structure of Gd, GdH_2 and NdH_2 single crystal films. Journal of Physics Condensed Matter, 2000, 12, 5011-5020.	0.7	12
156	Charge ordering, stripes and phase separation in manganese perovskite oxides: An STM/STS study. Materials Science and Engineering C, 2005, 25, 775-778.	3.8	12
157	The surface layer of cleaved bilayer manganites. Nanotechnology, 2007, 18, 044020.	1.3	12
158	$\text{Sc}_2\text{Ga}_2\text{CuO}_7$: A possible quantum spin liquid near the percolation threshold. Physical Review B, 2015, 92, .	1.1	12
159	One-dimensional quantum magnetism in the anhydrous alum $\text{KTi}(\text{SO}_4)_2$. New Journal of Physics, 2015, 17, 113035.	1.2	12
160	Magnetic and structural properties of Ni-substituted magnetoelectric $\text{Co}_4\text{Nb}_9\text{Q}_9$. Physical Review B, 2015, 92, .	1.1	12
161	$\text{K}_2\text{Ni}_2\text{O}_7$		

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163	Spatial inhomogeneity in RFeAsO _{1-x} F _x (R=Pr, Nd) determined from rare-earth crystal-field excitations. <i>Physical Review B</i> , 2011, 83, .	1.1	11
164	Nodal Landau Fermi-liquid quasiparticles in overdoped La _{1.77} Sr _{0.23} CuO ₄ . <i>Physical Review B</i> , 2014, 89, .	1.1	11
165	Magnetic structure of Ba(TiO)Cu ₄ (PO ₄) ₄ probed using spherical neutron polarimetry. <i>Physical Review B</i> , 2017, 96, .	1.1	11
166	Structural and magnetic instabilities of La _{2-x} Sr _x CaCu ₂ O ₆ . <i>Physical Review B</i> , 2002, 65, .	1.1	10
167	The Swiss spallation neutron source SINQ—developments and upgrades for optimized user service. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 968-971.	1.3	10
168	Magnons in tetragonal CuO. <i>Physical Review B</i> , 2015, 92, .	1.1	10
169	square lattice antiferromagnetism in the orbitally quenched insulator MoOPO_4 . <i>Physical Review B</i> , 2017, 96, .	1.1	10
170	Mapping the lattice dynamical anomaly of the order parameters across the Verwey transition in magnetite. <i>New Journal of Physics</i> , 2017, 19, 103013.	1.2	10
171	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
172	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
173	Inelastic neutron polarization analysis in low-dimensional systems. <i>Physica B: Condensed Matter</i> , 2004, 345, 111-118.	1.3	9
174	Dimensional Reduction in Quantum Dipolar Antiferromagnets. <i>Physical Review Letters</i> , 2016, 116, 177202.	2.9	9
175	Magnetic structure of the topological semimetal Co_3S_2 . <i>Physical Review B</i> , 2022, 105, .	1.1	9
176	Excitations of the Field-Induced Quantum Soliton Lattice in CuGeO ₃ . <i>Physical Review Letters</i> , 2001, 87, 177203.	2.9	8
177	Chasing ghosts in reciprocal space—a novel inelastic neutron multiple scattering process. <i>Physica B: Condensed Matter</i> , 2004, 350, 11-16.	1.3	8
178	Phase diagram with an enhanced spin-glass region of the mixed Ising XY magnet LiHo _x Er _{1-x} F ₄ . <i>Physical Review B</i> , 2013, 88, .	1.1	8
179	Crystal Structure, Transport, and Magnetic Properties of an Ir ⁶⁺ Compound Ba ₈ Al ₂ IrO ₁₄ . <i>Inorganic Chemistry</i> , 2015, 54, 4371-4376.	1.9	8
180	Probing strongly hybridized nuclear-electronic states in a model quantum ferromagnet. <i>Physical Review B</i> , 2016, 94, .	1.1	8

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181	Magnetic excitations from the two-dimensional interpenetrating Cu framework in BaCu_2O_4 . Physical Review B, 2017, 96, .		
182	Charge-Stripe Order and Superconductivity in $\text{Ir}_{1-x}\text{Pt}_x\text{Te}_2$. Scientific Reports, 2017, 7, 17157.	1.6	8
183	An ultra-low temperature scanning Hall probe microscope for magnetic imaging below 40 mK. Review of Scientific Instruments, 2014, 85, 103703.	0.6	7
184	Spin excitations and quantum criticality in the quasi-one-dimensional Ising-like ferromagnet CoCl_2 in a transverse field. Physical Review B, 2017, 96, .	1.1	7
185	Suppression of Magnetic Order before the Superconducting Dome in MnP. Journal of the Physical Society of Japan, 2018, 87, 023703.	0.7	7
186	High-field spin dynamics of antiferromagnetic quantum spin chains. Physica B: Condensed Matter, 2000, 276-278, 560-561.	1.3	6
187	Inelastic neutron polarization analysis. Physica B: Condensed Matter, 2003, 335, 19-25.	1.3	6
188	Longitudinal-neutron-polarization-analysis study of the spin dynamics in $\text{Sr}_{14}\text{Cu}_{24}\text{O}_{41}$. Physica B: Condensed Matter, 2004, 350, 40-44.	1.3	6
189	Note: Versatile sample stick for neutron scattering experiments in high electric fields. Review of Scientific Instruments, 2014, 85, 026112.	0.6	6
190	Prototype of the novel CAMEA concept – A backend for neutron spectrometers. Review of Scientific Instruments, 2018, 89, 015105.	0.6	6
191	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
192	Correlations and fluctuations in the 2D Heisenberg antiferromagnet. Journal of Magnetism and Magnetic Materials, 2001, 236, 4-5.	1.0	5
193	Electronic structure of $\text{KTi}(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$: An S=1/2 frustrated chain antiferromagnet. Physical Review B, 2013, 88, .	1.1	5
194	Electronic and magnetic excitations in the half-stuffed Cu-O planes of BaCu_2O_4 measured by resonant inelastic x-ray scattering. Physical Review B, 2017, 96, .		
195	Singlet state formation and its impact on the magnetic structure in the tetramer system SeCuO_3 . Physical Review B, 2018, 98, .	1.1	5
196	Dynamics in Fe_3O_4 nanoparticles studied by time-of-flight polarized neutron scattering. Physica B: Condensed Matter, 2004, 350, E217-E219.	1.3	4
197	A combined radial collimator and cooled beryllium filter for neutron scattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 819, 99-103.	0.7	4
198	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

#	ARTICLE	IF	CITATIONS
199	Triplons, magnons, and spinons in a single quantum spin system: SeCuO_3 . Physical Review B, 2021, 103, .		
200	Randomness and frustration in a square-lattice Heisenberg antiferromagnet. Physical Review B, 2022, 105, .		
201	Influence of static correlation on the magnon dynamics of an itinerant ferromagnet with competing exchange interactions: First-principles study of MnBi. Physical Review Materials, 2022, 6, .	0.9	4
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