

Matthew Stone

List of Publications by Year in descending order

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231
papers

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53660

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236
all docs

236
docs citations

236
times ranked

8503
citing authors

#	ARTICLE	IF	CITATIONS
1	Proximate Kitaev quantum spin liquid behaviour in a honeycomb magnet. Nature Materials, 2016, 15, 733-740.	13.3	762
2	Synthesis of Fe Oxide Core/Au Shell Nanoparticles by Iterative Hydroxylamine Seeding. Nano Letters, 2004, 4, 719-723.	4.5	567
3	Neutron scattering in the proximate quantum spin liquid $\hat{1}\pm$ -RuCl ₃ . Science, 2017, 356, 1055-1059.	6.0	499
4	Continuous excitations of the triangular-lattice quantum spin liquid YbMgGaO ₄ . Nature Physics, 2017, 13, 117-122.	6.5	276
5	Two-dimensional resonant magnetic excitation in $\text{BaFe}_{1.84}\text{Co}$. Physical Review Letters, 2009, 102, 107005.	2.9	237
6	Design and operation of the wide angular-range chopper spectrometer ARCS at the Spallation Neutron Source. Review of Scientific Instruments, 2012, 83, 015114.	0.6	210
7	Topological Spin Excitations in Honeycomb Ferromagnet CrI_3 . Physical Review X, 2018, 8, .	2.8	188
8	Absence of long-range chemical ordering in equimolar FeCoCrNi. Applied Physics Letters, 2012, 100, .	1.5	176
9	Quantum fluctuations in spin-ice-like Pr ₂ Zr ₂ O ₇ . Nature Communications, 2013, 4, 1934.	5.8	153
10	Characterization of a quasi-one-dimensional spin-1/2 magnet which is gapless and paramagnetic for $\text{Gd}_{1/4}\text{B}_2\text{H}_2\text{J}$. Physical Review B, 1999, 59, 1008-1015.	1.1	151
11	Evolution of spin excitations into the superconducting state in FeTe _{1-x} Se _x . Nature Physics, 2010, 6, 182-186.	6.5	151
12	Magnetic correlations in the quasi-two-dimensional semiconducting ferromagnet CrSiTe_3 . Physical Review B, 2015, 92, .	3.1	134
13	Extended Quantum Critical Phase in a Magnetized Spin-1/2 Antiferromagnetic Chain. Physical Review Letters, 2003, 91, 037205.	2.9	119
14	Dynamic frustrated magnetism in Tb ₂ Ti ₂ O ₇ at 50 mK. Physical Review B, 2003, 68, .	1.1	118
15	Magnetically Driven Metal-Insulator Transition in NaOsO_3 . Physical Review Letters, 2012, 108, 257209.	2.9	115
16	A comparison of four direct geometry time-of-flight spectrometers at the Spallation Neutron Source. Review of Scientific Instruments, 2014, 85, 045113.	0.6	107
17	Local jamming via penetration of a granular medium. Physical Review E, 2004, 70, 041301.	0.8	98
18	Phonon softening and metallization of a narrow-gap semiconductor by thermal disorder. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4725-4730.	3.3	96

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19	Quasiparticle breakdown in a quantum spin liquid. Nature, 2006, 440, 187-190.	13.7	92
20	Experimental signatures of a three-dimensional quantum spin liquid in effective spin-1/2 Ce ₂ Zr ₂ O ₇ pyrochlore. Nature Physics, 2019, 15, 1052-1057.	6.5	92
21	Structure and magnetic properties of the pyrochlore iridate Y ₂ Ir ₂ O ₇ . Physical Review B, 2012, 85, .	1.1	91
22	Phonon density of states and heat capacity of $\text{La}_3\text{Mg}_2\text{Sb}_3$. Physical Review B, 2009, 80, .	1.1	89
23	Spin waves and magnetic exchange interactions in insulating Rb _{0.89} Fe _{1.58} Se ₂ . Nature Communications, 2011, 2, 580.	5.8	85
24	Interaction Driven Subgap Spin Exciton in the Kondo Insulator SmB_6 . Physical Review Letters, 2015, 114, 036401.	2.9	83
25	Separating the configurational and vibrational entropy contributions in metallic glasses. Nature Physics, 2017, 13, 900-905.	6.5	83
26	Unconventional Temperature Enhanced Magnetism in $\text{Fe}_{1.1}\text{Te}$. Physical Review Letters, 2011, 107, 216403.	2.9	79
27	Quantum Spin Ice Dynamics in the Dipole-Octupole Pyrochlore Magnet $\text{Ce}_2\text{Zr}_2\text{O}_7$. Physical Review Letters, 2019, 122, 167201.	2.9	77
28	Frustration-induced two-dimensional quantum disordered phase in piperazinium hexachlorodocuprate. Physical Review B, 2001, 64, .	1.1	68
29	Crystal structure, lattice dynamics and superconductivity of LaOFeAs . Physical Review B, 2008, 78, 040501.	1.1	68
30	Magnetic anisotropy in ferromagnetic CrI_3 . Physical Review B, 2020, 101, .	1.1	68
31	Phonon Density of States of LaFeAsO . Physical Review Letters, 2008, 101, 157004.	2.9	65
32	Frustrated three-dimensional quantum spin liquid in CuHpCl. Physical Review B, 2002, 65, .	1.1	60
33	Getting to the bottom of a granular medium. Nature, 2004, 427, 503-504.	13.7	60
34	Dirac Magnons in a Honeycomb Lattice Quantum Magnet CoTiO_3 . Physical Review X, 2020, 10, .	2.8	60
35	Detection of Kardar-Parisi-Zhang hydrodynamics in a quantum Heisenberg spin-1/2 chain. Nature Physics, 2021, 17, 726-730.	6.5	60
36	Structure and properties of densified silica glass: characterizing the order within disorder. NPG Asia Materials, 2020, 12, .	3.8	57

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37	Block Magnetic Excitations in the Orbitally Selective Mott Insulator BaFe_2Se_3 . Physical Review Letters, 2015, 115, 047401.	2.9	56
38	Lattice dynamics reveals a local symmetry breaking in the emergent dipole phase of PbTe. Physical Review B, 2012, 86, .	1.1	55
39	Anisotropic and quasipropagating spin excitations in superconducting BaFe_2As_2 . Physical Review B, 2010, 82, .	1.1	54
40	Continuous magnetic and structural phase transitions in Fe_3Te_2 . Physical Review B, 2012, 85, .	1.1	54
41	Crystal structures and magnetic properties of $\text{Mn}[\text{N}(\text{CN})_2]_2\text{L}$ {L=2,5-dimethylpyrazine and aminopyrazine}. Polyhedron, 2001, 20, 1423-1429.	1.0	53
42	Exchange biasing of the ferromagnetic semiconductor $\text{Ga}_{1-x}\text{Mn}_x\text{As}$. Applied Physics Letters, 2004, 85, 1556-1558.	1.5	53
43	Capping-induced suppression of annealing effects on $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ epilayers. Applied Physics Letters, 2003, 83, 4568-4570.	1.5	47
44	Modern approaches to studying gas adsorption in nanoporous carbons. Journal of Materials Chemistry A, 2013, 1, 9341.	5.2	47
45	Two-dimensional spin liquid behaviour in the triangular-honeycomb antiferromagnet TbInO_3 . Nature Physics, 2019, 15, 262-268.	6.5	47
46	Singlet-Triplet Dispersion Reveals Additional Frustration in the Triangular-Lattice Dimer Compound BaMn_3O_8 . Physical Review Letters, 2008, 100, 237201.	1.1	46
47	Enhanced spin-phonon-electronic coupling in a 5d oxide. Nature Communications, 2015, 6, 8916.	5.8	45
48	Transport, thermal, and magnetic properties of the narrow-gap semiconductor CrSb . Physical Review B, 2012, 86, .	1.1	43
49	Inelastic Neutron Scattering Study of a Nonmagnetic Collapsed Tetragonal Phase in Nonsuperconducting CaFe_2As_2 : Evidence of the Impact of Spin Fluctuations on Superconductivity in the Iron-Arsenide Compounds. Physical Review Letters, 2012, 111, 227002.	2.9	43
50	Magnetoresistance anomalies in $(\text{Ga},\text{Mn})\text{As}$ epilayers with perpendicular magnetic anisotropy. Physical Review B, 2005, 71, .	1.1	42
51	Quantum Spin Correlations in an Organometallic Alternating-Sign Chain. Physical Review Letters, 2007, 99, 087204.	2.9	42
52	Single-ion properties of the antiferromagnetic pyrochlores $\text{Na}_2\text{A}_2\text{B}_2\text{X}_8$. Physical Review B, 2017, 95, .	1.1	42
53	Octupolar versus NaOeI Order in Cubic Double Perovskites. Physical Review Letters, 2020, 124, 087206.	2.9	39
54	Magnetic Field Effect on Topological Spin Excitations in CrI_3 . Physical Review X, 2021, 11, .	2.8	37

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55	Destabilization of Magnetic Order in a Dilute Kitaev Spin Liquid Candidate. Physical Review Letters, 2017, 119, 237203.	2.9	36
56	Coherent band excitations in CePd ₃ : A comparison of neutron scattering and ab initio theory. Science, 2018, 359, 186-191.	6.0	36
57	Positive Vibrational Entropy of Chemical Ordering in FeV. Physical Review Letters, 2011, 107, 115501.	2.9	35
58	Quantum Criticality in an Organic Magnet. Physical Review Letters, 2006, 96, 257203.	2.9	34
59	Field-driven phase transitions in a quasi-two-dimensional quantum antiferromagnet. New Journal of Physics, 2007, 9, 31-31.	1.2	34
60	Coercive field and magnetization deficit in Ga _{1-x} MnxAs epilayers. Journal of Applied Physics, 2003, 93, 6784-6786.	1.1	33
61	Field-induced avalanche to the ferromagnetic state in the phase-separated ground state of manganites. Physical Review B, 2004, 70, .	1.1	32
62	Topological magnon bands in a room-temperature kagome magnet. Physical Review B, 2020, 101, .	1.1	32
63	Dispersive magnetic excitations in the antiferromagnet BaMn ₂ Si ₂ O ₇ . Physical Review B, 2008, 77, .	1.1	31
64	Anharmonic phonons and magnons in BiFeO ₃ . Physical Review B, 2012, 85, .	1.1	31
65	XY antiferromagnetic ground state in the effective spin-1/2 antiferromagnet YbMn ₂ O ₇ . Physical Review B, 2016, 93, .		
66	Hybridized quadrupolar excitations in the spin-anisotropic frustrated magnet Fe ₂ . Nature Physics, 2021, 17, 467-472.	6.5	30
67	Spin order and dynamics in the diamond lattice Heisenberg antiferromagnets CuRh ₂ O ₄ and CoRh ₂ O ₄ . Physical Review B, 2017, 96, .	1.1	29
68	Antichiral spin order, its soft modes, and their hybridization with phonons in the topological semimetal Mn ₃ Bi ₂ Te ₄ . Physical Review B, 2020, 102, .	1.1	29
69	Effect of Li-deficiency impurities on the electron-overdoped LiFeAs superconductor. Physical Review B, 2012, 86, .	1.1	27
70	Coexistence of ferromagnetism and superconductivity in CeO _{0.3} F _{0.7} BiS ₂ . Physical Review B, 2014, 90, .		
71	Recent developments of MCViNE and its applications at SNS. Journal of Physics Communications, 2019, 3, 085005.	0.5	27
72	Magnetic Soft Modes in the Distorted Triangular Antiferromagnet CaCr ₂ O ₄ . Physical Review Letters, 2012, 109, 127203.	2.9	26

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73	A radial collimator for a time-of-flight neutron spectrometer. Review of Scientific Instruments, 2014, 85, 085101.	0.6	26
74	Frustrated spin- $\frac{1}{2}$ molecular magnetism in the mixed-valence antiferromagnets Ba_3O_9 . Crystal field splitting, local anisotropy, and low-energy excitations in the quantum magnet YbCl_3 . Physical Review B, 2019, 100.	1.1	26
75	Unusual Exchange Couplings and Intermediate Temperature Weyl State in Co_3S_2 . Physical Review Letters, 2021, 127, 117201.	1.1	26
76	Nanoengineered Curie temperature in laterally patterned ferromagnetic semiconductor heterostructures. Applied Physics Letters, 2005, 86, 152505.	1.5	25
78	Phonon partial densities of states and entropies of Fe and Cr in bcc Fe-Cr from inelastic neutron scattering. Physical Review B, 2008, 77, .	1.1	25
79	Spin-orbit coupling control of anisotropy, ground state and frustration in $5d^2$ $\text{Sr}_2\text{MgOsO}_6$. Scientific Reports, 2016, 6, 32462.	1.6	25
80	Effective One-Dimensional Coupling in the Highly Frustrated Square-Lattice Itinerant Magnet $\text{CaCo}_2\hat{a}^y$. Physical Review Letters, 2017, 119, 147201.	2.9	25
81	Flux through a hole from a shaken granular medium. Physical Review E, 2006, 74, 011306.	0.8	24
82	Van Hove singularity in the magnon spectrum of the antiferromagnetic quantum honeycomb lattice. Nature Communications, 2021, 12, 171.	5.8	24
83	Spin excitations in metallic kagome lattice FeSn and CoSn . Communications Physics, 2021, 4, .	2.0	23
84	Thermodynamic properties and neutron diffraction studies of silver ferrite AgFeO_2 . Journal of Physics Condensed Matter, 2010, 22, 016007.	0.7	22
85	Strong competition between orbital ordering and itinerancy in a frustrated spinel vanadate. Physical Review B, 2015, 91, .	1.1	22
86	External control of the direction of magnetization in ferromagnetic $\text{InMnAs}/\text{GaSb}$ heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 20, 370-373.	1.3	21
87	Quasi-One-Dimensional Magnons in an Intermetallic Marcasite. Physical Review Letters, 2012, 108, 167202.	2.9	21
88	Effects of temperature and pressure on phonons in FeSi . Physical Review B, 2013, 87, .	1.1	21
89	Low-energy antiferromagnetic spin fluctuations limit the coherent superconducting gap in cuprates. Physical Review B, 2018, 98, .	1.1	21
90	Thermal evolution of the full three-dimensional magnetic excitations in the multiferroic BiFeO_3 . Physical Review B, 2012, 86, .	1.1	20

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91	Magnetic Structure and Exchange Interactions in Quasi-One-Dimensional $\text{MnCl}_2(\text{urea})_2$. Inorganic Chemistry, 2015, 54, 11897-11905.	1.9	20
92	Evolution of Magnetic Double Helix and Quantum Criticality near a Dome of Superconductivity in CrAs. Physical Review X, 2018, 8, .	2.8	20
93	Magnetoelastically induced vibronic bound state in the spin-ice pyrochlore Ho_2O_7 . Physical Review B, 2018, 98, .	1.1	20
94	Temperature-dependent bilayer ferromagnetism in $\text{Sr}_3\text{Ru}_2\text{O}_7$. Physical Review B, 2006, 73, .	1.1	19
95	Starting to Move through a Granular Medium. Physical Review Letters, 2008, 101, 108001.	2.9	19
96	Effects of composition, temperature, and magnetism on phonons in bcc Fe-V alloys. Physical Review B, 2010, 82, .	1.1	19
97	Quantum excitation spectrum of hydrogen adsorbed in nanoporous carbons observed by inelastic neutron scattering. Carbon, 2013, 58, 46-58.	5.4	19
98	Influence of interstitial Mn on magnetism in the room-temperature ferromagnet MnAs . Physical Review B, 2015, 91, .	1.1	19
99	Field-induced reentrant magnetoelectric phase in LiNiPO_4 . Physical Review B, 2017, 95, .	1.1	19
100	Dipolar-octupolar Ising antiferromagnetism in Sm_2O_7 : A moment fragmentation candidate. Physical Review B, 2018, 98, .	1.1	19
101	Phase diagram and spin Hamiltonian of weakly-coupled anisotropic $S=1/2$ chains in $\text{CuCl}_2 \cdot 2\text{CD}_3\text{SO}$. Physical Review B, 2007, 75, .	1.1	18
102	Role of magnetic exchange energy on charge ordering in FeO . Physical Review B, 2011, 84, .	1.1	18
103	Exchange biasing of the ferromagnetic semiconductor (Ga,Mn)As by MnO (invited). Journal of Applied Physics, 2005, 97, 10D304.	1.1	17
104	Characterization of plastic and boron carbide additive manufactured neutron collimators. Review of Scientific Instruments, 2017, 88, 123102.	0.6	17
105	Tuning the flat bands of the kagome metal CoSn with Fe, In, or Ni doping. Physical Review Materials, 2021, 5, .	0.9	17
106	Parallel spin stripes and their coexistence with superconducting ground states at optimal and high doping in $\text{La}_{1-x}\text{F}_x\text{CeO}_3$. Physical Review Research, 2021, 3, .	1.3	17
107	Electronic structure and vibrational entropies of fcc Au-Fe alloys. Physical Review B, 2013, 87, .	1.1	16
108	Spin-gap and two-dimensional magnetic excitations in $\text{Sr}_2\text{CuO}_2\text{Cl}_2$. Physical Review B, 2018, 98, .	1.1	16

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109	Quantum Versus Classical Spin Fragmentation in Dipolar Kagome Ice Ho ₃ Mg ₂ Sb ₃ O ₁₄ . Physical Review X, 2020, 10, .	2.8	16
110	Signatures of coupling between spin waves and Dirac fermions in YbMnBi ₂ . Physical Review B, 2020, 101, .	1.1	16
111	Neutron scattering investigation of proposed Kosterlitz-Thouless transitions in the triangular-lattice Ising antiferromagnet $TmMgGaO_4$. Physical Review B, 2021, 103, .	1.1	16
112	Massless Dirac magnons in the two dimensional van der Waals honeycomb magnet CrCl ₃ . 2D Materials, 2022, 9, 015006.	2.0	16
113	Impact of oxygen annealing on the heat capacity and magnetic resonance of superconducting $Pr_{0.88}Mn_{0.12}FeAs$. Physical Review B, 2008, 78, .	1.1	15
114	Combining microscopic and macroscopic probes to untangle the single-ion anisotropy and exchange energies in an $S=1$ quantum antiferromagnet. Physical Review B, 2017, 95, .	1.1	15
115	Origin of magnetic excitation gap in double perovskite Sr_2FeMoO_6 . Physical Review B, 2018, 98, .	1.1	15
116	Damped Dirac magnon in the metallic kagome antiferromagnet FeSn. Physical Review B, 2022, 105, .	1.1	15
117	Spiral Spin Liquid on a Honeycomb Lattice. Physical Review Letters, 2022, 128, .	2.9	15
118	quasi-one-dimensional spin waves in CrCl ₃ . Physical Review B, 2013, 88, .	1.1	14
119	Electron doping evolution of the magnetic excitations in $NaFe_3As_5$. Physical Review B, 2016, 93, .	1.1	14
120	Spin excitations and the Fermi surface of superconducting FeS. Npj Quantum Materials, 2017, 2, .	1.8	14
121	Frustrated Magnetism in Mott Insulating $TjETQq_1$. Physical Review B, 2017, 95, .	2.8	14
122	Field-induced double dome and Bose-Einstein condensation in the crossing quantum spin chain system $AgVOAsO_4$. Physical Review B, 2019, 100, .	1.1	14
123	Spin excitations in $BaFe_2As_2$ observed by inelastic neutron scattering. Physical Review B, 2009, 80, .	1.8	14
124	Effects of chemical composition and B2 order on phonons in bcc Fe-Co alloys. Journal of Applied Physics, 2010, 108, .	1.1	13
125	Toward a new polyethylene scattering law determined using inelastic neutron scattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 711, 166-179.	0.7	13
126	Design and operating characteristic of a vacuum furnace for time-of-flight inelastic neutron scattering measurements. Review of Scientific Instruments, 2017, 88, 105116.	0.6	13

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127	Amplitude mode in the planar triangular antiferromagnet Na _{0.9} MnO ₂ . Nature Communications, 2018, 9, 2188.	5.8	13
128	Spin-orbit exciton in a honeycomb lattice magnet CoTiO_3 : Revealing a link between magnetism in d^0 and f^0 -electron systems. Physical Review B, 2020, 102, .	1.1	13
129	Vacancy-driven variations in the phonon density of states of fast neutron irradiated nuclear graphite. Carbon, 2020, 168, 42-54.	5.4	13
130	Dirac Magnons, Nodal Lines, and Nodal Plane in Elemental Gadolinium. Physical Review Letters, 2022, 128, 097201.	2.9	13
131	Phonon densities of states of face-centered-cubic Ni-Fe alloys. Journal of Applied Physics, 2013, 113, .	1.1	12
132	Doping dependence of the spin excitations in the Fe-based superconductors $\text{Fe}_{1+y}\text{Te}_{1-x}\text{Se}_x$. Physical Review B, 2013, 87, .	1.1	12
133	Neutron scattering study of spin dynamics in superconducting (Tl,Rb) $\text{Fe}_{1-x}\text{Se}_x$	1.1	12
134	Large Positive Zero-Field Splitting in the Cluster Magnet $\text{Ba}_3\text{CeRu}_2\text{O}_9$. Journal of the American Chemical Society, 2019, 141, 9928-9936.	6.6	12
135	Unconventional Hund metal in a weak itinerant ferromagnet. Nature Communications, 2020, 11, 3076.	5.8	12
136	Sharp step-like metamagnetic transition in the charge-ordered manganite compound $(\text{La}_{0.3}\text{Eu}_{0.2})(\text{Ca}_{0.3}\text{Sr}_{0.2})\text{MnO}_3$. Journal of Physics Condensed Matter, 2005, 17, 989-994.	0.7	11
137	Quasi-two-dimensional spin and phonon excitations in $\text{La}_{1.965}\text{Ba}_{0.035}\text{CuO}_4$. Physical Review B, 2015, 91, .	1.1	11
138	Characterization of shielding materials used in neutron scattering instrumentation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 946, 162708.	0.7	11
139	Weakly coupled alternating S^2 chains in the distorted honeycomb lattice compound $\text{Na}_2\text{Mg}_2\text{S}_4$	1.1	11
140	Three-Magnon Bound State in the Quasi-One-Dimensional Antiferromagnet NaMnO_2	2.9	11
141	Partial phonon densities of states of ^{57}Fe in Fe-Cr: Analysis by a local-order cluster expansion. Physical Review B, 2007, 75, .	1.1	10
142	Lattice dynamics and anomalous softening in the $\text{YbFe}_4\text{Sb}_{12}$ skutterudite. Physical Review B, 2011, 84, .	1.1	10
143	Phonon spectrum of SrFe_2As_2 determined using multizone phonon refinement. Physical Review B, 2014, 89, .	1.1	10
144	Hidden order signatures in the antiferromagnetic phase of URu_2Si_2 . Physical Review B, 2017, 95, .	1.1	10

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145	Neutron spin resonance as a probe of Fermi surface nesting and superconducting gap symmetry in Ba _{0.67} K _{0.33} (Fe _{1-x} Co _x) ₂ As ₂ . Physical Review B, 2018, 98, .	1.1	10
146	Anisotropic magnon damping by zero-temperature quantum fluctuations in ferromagnetic CrGeTe ₃ . Nature Communications, 2022, 13, .	5.8	10
147	Spin-lozenge thermodynamics and magnetic excitations in Na ₃ RuO ₄ . Journal of Physics Condensed Matter, 2009, 21, 506003.	0.7	9
148	Spin wave damping arising from phase coexistence below T_c in colossal magnetoresistive La _{0.7} Physical Review B, 2017, 96, .	1.1	9
149	Evidence for the confinement of magnetic monopoles in quantum spin ice. Journal of Physics Condensed Matter, 2017, 29, 45LT01.	0.7	9
150	Robust antiferromagnetic spin waves across the metal-insulator transition in hole-doped BaMn ₂ Physical Review B, 2017, 95, .	1.1	9
151	Spin pseudogap in the SrS chain material with impurities. Physical Review B, 2017, 95, .	1.1	9
152	Low-energy magnon dynamics and magneto-optics of the skyrmionic Mott insulator Cu ₂ OSeO ₃ . Physical Review B, 2017, 95, .	1.1	9
153	Super-resolution energy spectra from neutron direct-geometry spectrometers. Review of Scientific Instruments, 2019, 90, 105109.	0.6	9
154	A Catastrophic Charge Density Wave in BaFe ₂ Al ₉ . Chemistry of Materials, 2021, 33, 2855-2863.	3.2	9
155	Magnetic ordering in the Ising antiferromagnetic pyrochlore Nd ₂ ScNbO ₇ . Journal of Physics Condensed Matter, 2021, 33, 245802.	0.7	9
156	Low rotational barriers for the most dynamically active methyl groups in the proposed antiviral drugs for treatment of SARS-CoV-2, apilimod and tetrandrine. Chemical Physics Letters, 2021, 777, 138727.	1.2	9
157	Temperature dependence of phonons in FeGe ₂ . Physical Review Materials, 2018, 2, .	0.9	9
158	Physical properties of the trigonal binary compound Nd ₂ O ₃ . Physical Review Materials, 2018, 2, .	0.9	9
159	CHES: The future direct geometry spectrometer at the second target station. Review of Scientific Instruments, 2022, 93, .	0.6	9
160	Ferrimagnetic spin waves in honeycomb and triangular layers of Mn ₃ Si ₂ Te ₆ . Physical Review B, 2022, 105, .	1.1	9
161	Two-Dimensional Incommensurate Magnetic Fluctuations in Sr ₂ (Ru _{0.99} Ti _{0.01})O ₄ . Journal of the Physical Society of Japan, 2012, 81, 124710.	0.7	8
162	Magnons and continua in a magnetized and dimerized spin-1/2 chain. Physical Review B, 2014, 90, .	1.1	8

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163	Extracting source parameters from beam monitors on a chopper spectrometer. EPJ Web of Conferences, 2015, 83, 03001.	0.1	8
164	Neutron scattering studies of spin-phonon hybridization and superconducting spin gaps in the high-temperature superconductor $\text{La}_{1-x}\text{Ce}_x\text{CuO}_2$. Physical Review B, 2016, 93, .	1.1	8
165	Magnetic excitations of the $\text{Cu}_{1-x}\text{Yb}_x\text{O}$ quantum spin chain in $\text{Sr}_3\text{Ru}_2\text{O}_7$. Physical Review B, 2018, 98, .	1.1	8
166	Spin gaps in the ordered states of La_2O_7 and La_2X_6 and their relation to the distorti. Physical Review B, 2018, 98, .	1.1	8
167	Effect of Hydration on the Molecular Dynamics of Hydroxychloroquine Sulfate. ACS Omega, 2020, 5, 21231-21240.	1.6	8
168	Orbital selective spin waves in detwinned NaFeAs. Physical Review B, 2020, 102, .	1.1	8
169	Quantification of local Ising magnetism in rare-earth pyrogermanates Er_2O_7 and Yb_2O_7 . Physical Review B, 2020, 101, .	1.1	8
170	Metamagnetic steps in Eu-based manganite compounds. Journal of Applied Physics, 2005, 97, 10H710.	1.1	7
171	Inelastic neutron scattering study of a quantum spin trimer. Physical Review B, 2007, 75, .	1.1	7
172	The ARCS radial collimator. EPJ Web of Conferences, 2015, 83, 03014.	0.1	7
173	Influence of magnetism on Dirac semimetallic behavior in nonstoichiometric $\text{Sr}_{1-x}\text{Yb}_x\text{O}$.		

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181	Low-energy magnons in the chiral ferrimagnet Cu_2OSeO_3 : A	1.1	6
182	Absence of moment fragmentation in the mixed-site pyrochlore B_2Nd_2 Physical Review B, 2021, 103, .	1.1	6
183	Thermal neutron scattering measurements and modeling of yttrium-hydrides for high temperature moderator applications. Annals of Nuclear Energy, 2021, 157, 108224.	0.9	6
184	Spin-exchange Hamiltonian and topological degeneracies in elemental gadolinium. Physical Review B, 2022, 105, .	1.1	6
185	Spin dynamics of the low-dimensional magnet $(\text{CH}_3)_2\text{NH}_2\text{CuCl}_3$. Physica B: Condensed Matter, 2006, 385-386, 438-440.	1.3	5
186	Atomic pair distribution function analysis from the ARCS chopper spectrometer at the Spallation Neutron Source. Journal of Applied Crystallography, 2009, 42, 724-725.	1.9	5
187	Persistence of magnons in a site-diluted dimerized frustrated antiferromagnet. Journal of Physics Condensed Matter, 2011, 23, 416003.	0.7	5
188	Light atom quantum oscillations in UC and US. Physical Review B, 2016, 93, .	1.1	5
189	Excitations and magnetization density distribution in the dilute ferromagnetic semiconductor $\text{Yb}_{1-x}\text{Mn}_x$ Physical Review B, 2017, 95, .	1.1	5
190	Effective point-charge analysis of crystal fields: Application to rare-earth pyrochlores and tripod kagome magnets $\text{R}_2\text{Mg}_3\text{Sb}_2$ Physical Review B, 2017, 95, .	1.3	5
191	Hierarchical excitations from correlated spin tetrahedra on the breathing pyrochlore lattice. O_2 Physical Review B, 2021, 103, .	1.1	5
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