

Collin Broholm

List of Publications by Year in descending order

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210
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220
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times ranked

7782
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncollinear ferromagnetic Weyl semimetal with anisotropic anomalous Hall effect. Physical Review B, 2021, 103, .	1.1	42
2	Pristine quantum criticality in a Kondo semimetal. Science Advances, 2021, 7, .	4.7	11
3	Monopolar and dipolar relaxation in spin ice Ho ₂ Ti ₂ O ₇ . Science Advances, 2021, 7, .	4.7	4
4	Weyl-mediated helical magnetism in NdAlSi. Nature Materials, 2021, 20, 1650-1656.	13.3	48
5	Neutron scattering study of the kagome metal Sc_3Ir . Physical Review B, 2021, 104, .	1.1	6
6	Beyond magnons in Nd_2O_7 : An Ising pyrochlore antiferromagnet with all-in/all-out order and random fields. Physical Review B, 2021, 104, .	1.1	6
7	Antichiral spin order, its soft modes, and their hybridization with phonons in the topological semimetal Mn_3Sb_2 . Physical Review B, 2020, 102, 160401.	1.1	29
8	Impact of the Lattice on Magnetic Properties and Possible Spin Nematicity in the Triangular Antiferromagnet NiGa_2S_4 . Physical Review Letters, 2020, 125, 197201.	2.9	9
9	Multiphase magnetism in $\text{Yb}_2\text{Ti}_2\text{O}_7$. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27245-27254.	3.3	23
10	Quantum spin liquids. Science, 2020, 367, .	6.0	513
11	Anisotropic effect of a magnetic field on the neutron spin resonance in FeSe. Physical Review B, 2020, 101, .	1.1	2
12	Low-energy magnons in the chiral ferrimagnet Cu_2OSeO_4 : A coarse-grained approach. Physical Review B, 2020, 101, .	1.1	6
13	Orientation dependence of the magnetic phase diagram of $\text{Yb}_2\text{Ti}_2\text{O}_7$. Physical Review B, 2020, 101, .	1.1	5
14	Homogeneous reduced moment in a gapful scalar chiral kagome antiferromagnet. Physical Review B, 2019, 100, .	1.1	6
15	Intrinsic Low-Temperature Magnetism in SmB_6 . Physical Review Letters, 2019, 123, 197203.	2.9	11
16	Magnetic dichroism in the Kondo insulator SmB_6 . Physical Review B, 2019, 99, .	1.1	15
17	Anisotropic spin fluctuations in detwinned FeSe. Nature Materials, 2019, 18, 709-716.	13.3	60
18	Incommensurate Magnetism Near Quantum Criticality in CeNiAsO. Physical Review Letters, 2019, 122, 197203.	2.9	3

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37	Electron spin resonance to enhance neutron scattering measurements. , 2017, , .		0
38	Antiferromagnetic and Orbital Ordering on a Diamond Lattice Near Quantum Criticality. Physical Review X, 2016, 6, .	2.8	21
39	Modulated magnetism and anomalous electronic transport in CeO_2 . Physical Review B, 2016, 94, .	1.1	2
40	Correlated impurities and intrinsic spin-liquid physics in the kagome material herbertsmithite. Physical Review B, 2016, 94, .	1.1	100
41	Static and dynamic short-range order in a frustrated magnet with exchange disorder. Physical Review B, 2016, 93, .	1.1	84
42	Effective spin-chiral order on kagome lattices in NdO . Physical Review B, 2016, 93, .	1.1	48
43	Collective versus local Jahn-Teller distortion in BaO . Raman scattering study. Physical Review B, 2016, 93, .	1.1	5
44	Recent advancements of wide-angle polarization analysis with ^3He neutron spin filters. Journal of Physics: Conference Series, 2016, 746, 012016.	0.3	10
45	Separation of magnetic and superconducting behavior in $\text{YBa}_2\text{Cu}_3\text{O}_{6.33}$ ($T_c=8.4\text{K}$). Physical Review B, 2015, 91, .	1.1	4
46	Raman study of magnetic excitations and magnetoelastic coupling in SrCr_2As_2 . Physical Review B, 2015, 91, .	1.1	6
47	Unstable spin-ice order in the stuffed metallic pyrochlore Pr_2O_7 . Physical Review B, 2015, 92, .	1.1	23
48	Interaction Driven Subgap Spin Exciton in the Kondo Insulator SmB_6 . Physical Review Letters, 2015, 114, 036401.	2.9	83
49	Block Magnetic Excitations in the Orbitally Selective Mott Insulator BaFe_2Se_3 . Physical Review Letters, 2015, 115, 047401.	2.9	56
50	Disorder from order among anisotropic next-nearest-neighbor Ising spin chains in SrHo_2O_4 . Physical Review B, 2015, 91, .	1.1	28
51	Spin Fluctuations from Hertz to Terahertz on a Triangular Lattice. Physical Review Letters, 2015, 115, 127202.	2.9	15
52	Magnons and continua in a magnetized and dimerized spin-1/2 chain. Physical Review B, 2014, 90, .	1.1	8
53	Strict limit on in-plane ordered magnetic dipole moment in URu_2Si_2 . Physical Review B, 2014, 89, .	1.1	19
54	Ghost modes and continuum scattering in the dimerized distorted kagome lattice antiferromagnet $\text{Cu}_3\text{SnF}_{12}$. Physical Review B, 2014, 89, .	1.1	12

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55	Correlation between Bulk Thermodynamic Measurements and the Low-Temperature-Resistance Plateau in SmB_6 . Physical Review X, 2014, 4, .	2.8	64
56	Molecular Quantum Magnetism in LiZnO_8 . Physical Review Letters, 2014, 112, 027202. Name of superconducting Bi_2Te_3		
57	Magnetic structure of the conductive triangular-lattice antiferromagnet PdCrO . Physical Review B, 2014, 89, .	1.1	6
58	Synthesis, floating zone crystal growth and characterization of the quantum spin ice $\text{Pr}_2\text{Zr}_2\text{O}_7$ pyrochlore. Journal of Crystal Growth, 2014, 402, 291-298.	0.7	46
59	Magnetic Excitations in the Kondo Insulator SmB_6 . Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1542-C1542.	0.0	0
60	Optical floating zone crystal growth and magnetic properties of MgCr_2O_4 . Journal of Crystal Growth, 2013, 384, 39-43.	0.7	7
61	Multiferroicity in the generic easy-plane triangular lattice antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$. Physical Review B, 2013, 88, .	1.1	43
62	Wide Angle Polarization Analysis with Neutron Spin Filters. Physics Procedia, 2013, 42, 206-212.	1.2	12
63	Quasi-two-dimensional noncollinear magnetism in the Mott insulator SrFe_2As_2 . Physical Review B, 2013, 88, .	1.1	23
64	Quantum fluctuations in spin-ice-like $\text{Pr}_2\text{Zr}_2\text{O}_7$. Nature Communications, 2013, 4, 1934.	5.8	153
65	Publisher's Note: Neutron-Scattering Measurement of Incommensurate Short-Range Order in Single Crystals of the Sr_2VO_4 . Physical Review B, 2013, 88, .	2.9	0
66	Triangular Antiferromagnet NiGa_2S_4 . Journal of Physics Condensed Matter, 2012, 24, 166001.	0.7	12
67	Dominant ferromagnetism in the spin-1/2 half-twist ladder $\text{Ba}_3\text{Cu}_3\text{In}_4\text{O}_{12}$ and $\text{Ba}_3\text{Cu}_3\text{Sc}_4\text{O}_{12}$. Journal of Physics Condensed Matter, 2012, 24, 166001.	0.7	12
68	Quantum Spin Liquid in Frustrated One-Dimensional LiCuSbO_4 . Physical Review Letters, 2012, 108, 187206.	2.9	76
69	From Incommensurate Correlations to Mesoscopic Spin Resonance in YbRh_2Si_2 . Physical Review Letters, 2012, 109, 127201.	2.9	42
70	Magnetic Field Splitting of the Spin Resonance in CeCoIn_5 . Physical Review Letters, 2012, 109, 167207.	2.9	48
71	Fractionalized excitations in the spin-liquid state of a kagome-lattice antiferromagnet. Nature, 2012, 492, 406-410.	13.7	873
72	Spin-Orbital Short-Range Order on a Honeycomb-Based Lattice. Science, 2012, 336, 559-563.	6.0	116

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73	Friedel-Like Oscillations from Interstitial Iron in Superconducting ZnCrFeAs_2 . Physical Review Letters, 2012, 108, 107002.	2.9	51
74	Successive phase transitions and phase diagrams for the quasi-two-dimensional easy-axis triangular antiferromagnet $\text{Rb}_4\text{Mn}(\text{MoO}_4)_3$. Europhysics Letters, 2011, 94, 17001.	0.7	56
75	Magnetic properties of hole-doped SCGO, $\text{SrCr}_2\text{Ga}_4\text{As}_2\text{M}_x\text{O}_{19}$ (M = Zn, Mg, Cu). Journal of Physics Condensed Matter, 2011, 23, 386001.	1.1	49
76	Magnetic properties of hole-doped SCGO, $\text{SrCr}_2\text{Ga}_4\text{As}_2\text{M}_x\text{O}_{19}$ (M = Zn, Mg, Cu). Journal of Physics Condensed Matter, 2011, 23, 386001.	0.7	9
77	A wide angle neutron spin filter system using polarized ^3He . Physica B: Condensed Matter, 2011, 406, 2419-2423.	1.3	13
78	Incommensurate Magnetism in FeAs Strips: Neutron Scattering from CaFe_4As_2 . Physical Review Letters, 2011, 106, 037201.	2.9	19
79	Helical magnetism and structural anomalies in triangular lattice SrCr_2O_4 . Journal of Physics Condensed Matter, 2011, 23, 246005.	0.7	19
80	ZEEMANS – a new facility to probe matter at high magnetic field through neutron scattering. Journal of Physics: Conference Series, 2010, 251, 012057.	0.3	3
81	Divergent effects of static disorder and hole doping in geometrically frustrated CaCr_2O_4 . Journal of Solid State Chemistry, 2010, 183, 1798-1804.	1.4	16
82	From $(\vec{1}, 0)$ magnetic order to superconductivity with $(\vec{1}, \vec{1})$ magnetic resonance in $\text{Fe}_{1.02}\text{Te}_{1-x}\text{Se}_x$. Nature Materials, 2010, 9, 718-720.	13.3	248
83	Neutron scattering study of a quasi-two-dimensional spin-1 dimer system: Piperazinehexachlorodipicrate under hydrostatic pressure. Physical Review B, 2010, 82, .	1.1	16
84	Paramagnetic spin correlations in CaFe_4As_2 crystals. Physical Review B, 2010, 81, .	2.1	18
85	Field-Induced Tomonaga-Luttinger Liquid Phase of a Two-Leg Spin-1/2 Ladder with Strong Leg Interactions. Physical Review Letters, 2010, 105, 137207.	2.9	92
86	Neutron Scattering Measurement of Incommensurate Short-Range Order in Single Crystals of the Antiferromagnet NiGa_2S_4 . Physical Review Letters, 2010, 105, 137207.	2.9	39
87	Incommensurate itinerant antiferromagnetic excitations and spin resonance in the $\text{FeTe}_{1-x}\text{Se}_x$. Physical Review B, 2010, 81, .	1.1	79
88	Control of Tetrahedral Coordination and Superconductivity in $\text{FeSe}_{1-x}\text{Te}_x$ Films. Physical Review Letters, 2010, 104, 217002.	2.9	68
89	Frustrated Magnetism and Cooperative Phase Transitions in Spinels. Journal of the Physical Society of Japan, 2010, 79, 011004.	0.7	141
90	Anisotropic and quasipropagating spin excitations in superconducting BaFe_2As_2 . Physical Review B, 2010, 82, .	1.1	54

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91	Suppression of antiferromagnetic spin fluctuations in the collapsed phase of CaFe_2As_2 . Physical Review B, 2009, 79, .	1.1	61
92	Coupled Magnetic and Ferroelectric Domains in Multiferroic $\text{NiMn}_3\text{V}_2\text{O}_8$. Physical Review Letters, 2009, 103, 087201.	2.9	67
93	Neutron scattering evidence for isolated spin-1 ladders in $(\text{C}_5\text{D}_{12}\text{N})_2\text{CuBr}_4$. Physical Review B, 2009, 80, .	1.1	31
94	Spin-Lattice Order in Frustrated ZnCr_2O_4 . Physical Review Letters, 2009, 103, 037201.	2.9	74
95	Spin Gap and Resonance at the Nesting Wave Vector in Superconducting $\text{FeSe}_{0.4}\text{Te}_{0.6}$. Physical Review Letters, 2009, 103, 067008.	2.9	214
96	Itinerant Magnetic Excitations in Antiferromagnetic CaFe_2As_4 . Physical Review Letters, 2009, 102, 187206.	2.9	156
97	Neutron scattering study of the excitation spectrum of solid helium at ultra-low temperatures. Pramana - Journal of Physics, 2008, 71, 673-678.	0.9	9
98	Anisotropic Three-Dimensional Magnetism in CaFe_2As_4 . Physical Review Letters, 2008, 101, 227205.	2.9	90
99	MACS "a new high intensity cold neutron spectrometer" at NIST. Measurement Science and Technology, 2008, 19, 034023.	1.4	98
100	Magnetically induced ferroelectricity in the buckled Kagome antiferromagnet $\text{Ni}_3\text{V}_2\text{O}_8$. Journal of Physics Condensed Matter, 2008, 20, 434205.	0.7	16
101	From cooperative paramagnetism to NAF order in RuMn_2O_7 . Physical Review Letters, 2008, 101, 077201.	1.1	11
102	Spin Resonance in the d -Wave Superconductor CeCoIn_5 . Physical Review Letters, 2008, 100, 087001.	2.9	251
103	Field-driven phase transitions in a quasi-two-dimensional quantum antiferromagnet. New Journal of Physics, 2007, 9, 31-31.	1.2	34
104	Coherent behaviour without magnetic order of the triangular lattice antiferromagnet NiGa_2S_4 . Journal of Physics Condensed Matter, 2007, 19, 145232.	0.7	25
105	Spin ordering in $\text{HeMn}_4\text{O}_{14}$. Physical Review Letters, 2007, 99, 077201.	1.1	26
106	Evidence for decay of spin waves above the pseudogap of underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6.35}$. Physical Review B, 2007, 75, .	1.1	24
107	Direct Transition from a Disordered to a Multiferroic Phase on a Triangular Lattice. Physical Review Letters, 2007, 98, 267205.	2.9	188
108	Phase diagram and spin Hamiltonian of weakly-coupled anisotropic $S=1/2$ chains in $\text{CuCl}_2\cdot 2(\text{CD}_3)_2\text{SO}$. Physical Review B, 2007, 75, .	1.1	18

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109	Mesoscopic Phase Coherence in a Quantum Spin Fluid. <i>Science</i> , 2007, 317, 1049-1052.	6.0	37
110	Crystal distortions in geometrically frustrated ACr_2O_4 ($A = \text{Zn}, \text{Cd}$). <i>Journal of Physics Condensed Matter</i> , 2007, 19, 145259.	0.7	38
111	Single crystal growth of YbRh_2Si_2 using Zn flux. <i>Journal of Crystal Growth</i> , 2007, 304, 114-117.	0.7	7
112	Quasiparticle breakdown in a quantum spin liquid. <i>Nature</i> , 2006, 440, 187-190.	13.7	92
113	Quantum phase transitions in magnetism and superconductivity: Emergent spin topology seen with neutrons. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 11-15.	1.3	4
114	Magnetic and transport properties of and. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 307, 301-307.	1.0	26
115	Field dependence of magnetic ordering in Kagomé-staircase compound $\text{Ni}_3\text{V}_2\text{O}_8$. <i>Physical Review B</i> , 2006, 74, .	1.1	113
116	Neutron scattering from a coordination polymer quantum paramagnet. <i>Physical Review B</i> , 2006, 74, .	1.1	21
117	Central mode and spin confinement near the boundary of the superconducting phase in $\text{YBa}_2\text{Cu}_3\text{O}_{6.353}$ ($T_c=18\text{K}$). <i>Physical Review B</i> , 2006, 73, .	1.1	53
118	Quantum Criticality in an Organic Magnet. <i>Physical Review Letters</i> , 2006, 96, 257203.	2.9	34
119	Crystalline electric field levels and magnetic properties of the metallic pyrochlore compound $\text{Pr}_2\text{Ir}_2\text{O}_7$. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 1435-1437.	1.9	35
120	Magnetically Driven Ferroelectric Order in $\text{Ni}_3\text{V}_2\text{O}_8$. <i>Physical Review Letters</i> , 2005, 95, 087205.	2.9	593
121	Spin-trimer antiferromagnetism in $\text{La}_4\text{Cu}_3\text{MoO}_{12}$. <i>Physical Review B</i> , 2005, 71, .	1.1	19
122	$S=1/2$ chain in a staggered field: High-energy bound-spinon state and the effects of a discrete lattice. <i>Physical Review B</i> , 2005, 71, .	1.1	19
123	Publisher's Note: Inhomogeneous Level Splitting in $\text{Pr}_2\text{BixRu}_2\text{O}_7$ [<i>Phys. Rev. Lett.</i> PRLTAO0031-900794, 177201 (2005)]. <i>Physical Review Letters</i> , 2005, 94, .	2.9	1
124	Inhomogeneous Level Splitting in $\text{Pr}_2\text{BixRu}_2\text{O}_7$. <i>Physical Review Letters</i> , 2005, 94, 177201.	2.9	15
125	Spin Disorder on a Triangular Lattice. <i>Science</i> , 2005, 309, 1697-1700.	6.0	457
126	Magnetic Inversion Symmetry Breaking and Ferroelectricity in TbMnO_3 . <i>Physical Review Letters</i> , 2005, 95, 087206.	2.9	792

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127	Bound Spinons in an Antiferromagnetic $S=1/2$ Chain with a Staggered Field. Physical Review Letters, 2004, 93, .	2.9	60
128	Competing Magnetic Phases on a Kagomé Staircase. Physical Review Letters, 2004, 93, 247201.	2.9	151
129	Spinons in a strongly correlated copper oxide chain. Physica B: Condensed Matter, 2004, 350, E249-E252.	1.3	0
130	Specific heat at the magnetic order transitions in RbFe (MoO). Physica B: Condensed Matter, 2004, 354, 297-299.	1.3	16
131	Spinons in the Strongly Correlated Copper Oxide Chains in SrCuO ₂ . Physical Review Letters, 2004, 93, 087202.	2.9	91
132	Extended Quantum Critical Phase in a Magnetized Spin-1/2 Antiferromagnetic Chain. Physical Review Letters, 2003, 91, 037205.	2.9	119
133	Publisher's Note: Structure of End States for a Haldane Spin Chain [Phys. Rev. Lett. 90, 087202 (2003)]. Physical Review Letters, 2003, 90, .	2.9	2
134	Massive triplet excitations in a magnetized anisotropic Haldane spin chain. Physical Review B, 2003, 68, .	1.1	35
135	Neutron scattering study of two-magnon states in the quantum magnet copper nitrate. Physical Review B, 2003, 67, .	1.1	47
136	Structure of End States for a Haldane Spin Chain. Physical Review Letters, 2003, 90, 087202.	2.9	40
137	Frustrated three-dimensional quantum spin liquid in CuHpCl. Physical Review B, 2002, 65, .	1.1	60
138	Quasielastic Neutron Scattering in the High-Field Phase of a Haldane Antiferromagnet. Physical Review Letters, 2002, 88, 077206.	2.9	27
139	Freezing of spin correlated nanoclusters in a geometrically frustrated magnet. Physical Review B, 2002, 65, .	1.1	42
140	Spin and lattice excitations in the heavy-fermion superconductor UNi ₂ Al ₃ . Physical Review B, 2002, 66, .	1.1	11
141	SPIN CORRELATIONS IN MAGNETIZED HALDANE CHAINS. International Journal of Modern Physics B, 2002, 16, 3250-3250.	1.0	0
142	MACS low-background doubly focusing neutron monochromator. Applied Physics A: Materials Science and Processing, 2002, 74, s255-s257.	1.1	9
143	Future probes in materials science. Physica B: Condensed Matter, 2002, 318, 12-23.	1.3	1
144	Emergent excitations in a geometrically frustrated magnet. Nature, 2002, 418, 856-858.	13.7	460

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145	Magnetized States of Quantum Spin Chains. Lecture Notes in Physics, 2002, , 211-234.	0.3	3
146	SPIN CORRELATIONS IN MAGNETIZED HALDANE CHAINS. , 2002, , .		0
147	An elastic, low-background vertical focusing element for a doubly focusing neutron monochromator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 466, 513-526.	0.7	8
148	Frustration-induced two-dimensional quantum disordered phase in piperazinium hexachlorodiprate. Physical Review B, 2001, 64, .	1.1	68
149	Haldane-gap excitations in the low-Dimensional quantum antiferromagnet $\text{Ni}(\text{C}_5\text{D}_{14}\text{N}_2)_2\text{N}_3(\text{PF}_6)$. Physical Review B, 2001, 63, .	1.1	43
150	Field-Induced Three- and Two-Dimensional Freezing in a Quantum Spin Liquid. Physical Review Letters, 2001, 86, 1618-1621.	2.9	41
151	Spin Fluctuations in a Magnetically Frustrated Metal LiV_2O_4 . Physical Review Letters, 2001, 86, 5554-5557.	2.9	80
152	Geometrical frustration, spin ice and negative thermal expansion – the physics of underconstraint. Physica B: Condensed Matter, 2000, 280, 290-295.	1.3	39
153	High-field spin dynamics of antiferromagnetic quantum spin chains. Physica B: Condensed Matter, 2000, 276-278, 560-561.	1.3	6
154	Triplet Waves in a Quantum Spin Liquid. Physical Review Letters, 2000, 84, 4465-4468.	2.9	82
155	Holes in a Quantum Spin Liquid. Science, 2000, 289, 419-422.	6.0	58
156	Local Spin Resonance and Spin-Peierls-like Phase Transition in a Geometrically Frustrated Antiferromagnet. Physical Review Letters, 2000, 84, 3718-3721.	2.9	352
157	Anisotropic Spin Freezing in the $S=1/2$ Zigzag Chain Compound SrCu_2O_7 . Physical Review Letters, 1999, 83, 5370-5373.	2.9	49
158	Glassy Statics and Dynamics in the Chemically Ordered Pyrochlore Antiferromagnet $\text{Y}_2\text{Mo}_2\text{O}_7$. Physical Review Letters, 1999, 83, 211-214.	2.9	175
159	Neutron scattering and the search for mechanisms of superconductivity. Physica C: Superconductivity and Its Applications, 1999, 317-318, 9-17.	0.6	4
160	Characterization of a quasi-one-dimensional spin-1/2 magnet which is gapless and paramagnetic for $\text{Gd}_2\text{Zr}_2\text{O}_7$. Physical Review B, 1999, 59, 1008-1015.	1.1	151
161	Phonon density of states and negative thermal expansion in ZrW_2O_8 . Nature, 1998, 396, 147-149.	13.7	277
162	Magnetic correlations in a classic Mott system. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 283-286.	1.0	6

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163	Spin gap in a quasi-one-dimensional $S=1/2$ antiferromagnet: $\text{Cu}_2(1,4\text{-diazacycloheptane})_2\text{Cl}_4$. Physical Review B, 1998, 57, 7846-7853.	1.1	84
164	Tuning the spin Hamiltonian of $\text{Ni}(\text{C}_2\text{H}_8\text{N}_2)_2\text{NO}_2\text{ClO}_4$ by external pressure: A neutron-scattering study. Physical Review B, 1998, 57, 5200-5204.	1.1	21
165	Magnetic correlations and quantum criticality in the insulating antiferromagnetic, insulating spin liquid, renormalized Fermi liquid, and metallic antiferromagnetic phases of the Mott system V_2O_3 . Physical Review B, 1998, 58, 12727-12748.	1.1	53
166	Neutron Scattering Studies of Non-Metallic Low-Dimensional Quantum Antiferromagnets. , 1998, , 77-105.		0
167	Small Angle Neutron Scattering Studies of the Vortex Lattice in the UPT_3 Mixed State: Direct Structural Evidence for the $\text{B}^{\uparrow}\text{C}$ Transition. Physical Review Letters, 1997, 78, 3185-3188.	2.9	27
168	Dramatic Switching of Magnetic Exchange in a Classic Transition Metal Oxide: Evidence for Orbital Ordering. Physical Review Letters, 1997, 78, 507-510.	2.9	76
169	Direct Observation of Field-Induced Incommensurate Fluctuations in a One-Dimensional $S=1/2$ Antiferromagnet. Physical Review Letters, 1997, 79, 1750-1753.	2.9	253
170	Less than 50% sublattice polarization in an insulating $S=3/2$ Kagomé antiferromagnet at $T=0$. Physical Review B, 1997, 56, 8091-8097.	1.1	82
171	Magnetic coherence in the transition metal oxides. Physica B: Condensed Matter, 1997, 237-238, 30-35.	1.3	1
172	Proposal for a doubly focusing cold neutron spectrometer at NIST. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 369, 169-179.	0.7	13
173	Spin-glass and non-spin-glass features of a geometrically frustrated magnet. Europhysics Letters, 1996, 35, 127-132.	0.7	67
174	Magnetic properties of a quasi-one-dimensional $S=1/2$ antiferromagnet: Copper benzoate. Physical Review B, 1996, 53, 2583-2589.	1.1	87
175	Isolated Spin Pairs and Two-Dimensional Magnetism in $\text{SrCr}_9\text{pGa}_{12-9\text{p}}\text{O}_{19}$. Physical Review Letters, 1996, 76, 4424-4427.	2.9	92
176	Y_2BaNiO_5 : A nearly ideal realization of the $S=1$ Heisenberg chain with antiferromagnetic interactions. Physical Review B, 1996, 54, R6827-R6830.	1.1	120
177	Itinerant antiferromagnetism in the Mott compound $\text{V}_1.973\text{O}_3$. Physical Review B, 1996, 54, R3726-R3729.	1.1	27
178	Strong magnetic fluctuations in transition metal oxides (invited). Journal of Applied Physics, 1996, 79, 5023.	1.1	13
179	Magnetic freezing and fluctuations in the Kagomé compound $\text{SrCr}_8\text{Ga}_4 + x\text{O}_{19}$. Physica B: Condensed Matter, 1995, 213-214, 142-145.	1.3	1
180	Simple high-pressure cell for neutron scattering. Review of Scientific Instruments, 1995, 66, 1260-1261.	0.6	12

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181	Antiferromagnetism and Its Relation to the Superconducting Phases of UPt ₃ . Physical Review Letters, 1995, 75, 1178-1181.	2.9	69
182	Spin correlations at finite temperature in an S=1 one-dimensional antiferromagnet. Physical Review B, 1995, 51, 3289-3292.	1.1	18
183	Magnetic and Charge Dynamics in a Doped One-Dimensional Transition Metal Oxide. Physical Review Letters, 1994, 73, 1857-1860.	2.9	134
184	One-dimensional spin fluctuations in a transition metal oxide. Physica B: Condensed Matter, 1994, 194-196, 181-182.	1.3	34
185	Chapter 131 Magnetic correlations in heavy-fermion systems. Fundamental Theories of Physics, 1994, 19, 123-175.	0.1	13
186	Incommensurate spin density wave in metallic V ₂ VO ₃ . Physical Review Letters, 1993, 71, 766-769.	2.9	93
187	Spin gap and antiferromagnetic correlations in the Kondo insulator CeNiSn. Physical Review Letters, 1992, 69, 490-493.	2.9	178
188	Dominance of long-lived excitations in the antiferromagnetic spin-1 chain NENP. Physical Review Letters, 1992, 69, 3571-3574.	2.9	161
189	Neutron diffraction from the vortex lattice in the heavy-fermion superconductor UPt ₃ . Physical Review Letters, 1992, 69, 3120-3123.	2.9	67
190	A strongly fluctuating quasi-two-dimensional insulator (invited). Journal of Applied Physics, 1991, 69, 4968-4973.	1.1	24
191	Antiferromagnetic correlations, coherence and superconductivity in UPt ₃ . Physica B: Condensed Matter, 1991, 171, 278-282.	1.3	8
192	Superconductivity of UPt ₃ studied by μ SR and neutron scattering (abstract). Journal of Applied Physics, 1991, 69, 5491-5491.	1.1	0
193	Antiferromagnetic Fluctuations and Short-Range Order in a Kagomé Lattice. Physical Review Letters, 1991, 66, 522-522.	2.9	2
194	Magnetic excitations in the heavy-fermion superconductor URu ₂ Si ₂ . Physical Review B, 1991, 43, 12809-12822.	1.1	276
195	Broken spin rotation symmetry without magnetic Bragg peaks in Kagomé antiferromagnets. Journal of Magnetism and Magnetic Materials, 1990, 90-91, 255-259.	1.0	22
196	Anisotropic temperature dependence of the magnetic-field penetration in superconducting UPt ₃ . Physical Review Letters, 1990, 65, 2062-2065.	2.9	119
197	Magnetic fluctuations and short-range order in strongly frustrated SrCr _{8-x} Ga _{4+x} O ₁₉ (abstract). Journal of Applied Physics, 1990, 67, 5799-5799.	1.1	5
198	Antiferromagnetic fluctuations and short-range order in a Kagomé lattice. Physical Review Letters, 1990, 65, 3173-3176.	2.9	208

#	ARTICLE	IF	CITATIONS
199	Magnetic order in the different superconducting states of UPt ₃ . Physical Review Letters, 1989, 63, 676-679.	2.9	165
200	Oxidation kinetics in oxygen deficient YBa ₂ /Cu ₃ /O _{7-x} / studied by neutron powder diffraction. IEEE Transactions on Magnetics, 1989, 25, 2254-2261.	1.2	6
201	Superconductivity of heavy-electron uranium compounds. Physica C: Superconductivity and Its Applications, 1988, 153-155, 1728-1733.	0.6	17
202	Heavy fermion antiferromagnets. Journal of Magnetism and Magnetic Materials, 1988, 76-77, 371-375.	1.0	23
203	Magnetic correlations in UPt ₃ and U _{1-x} Th _x Pt ₃ . Journal of Magnetism and Magnetic Materials, 1988, 76-77, 385-390.	1.0	70
204	Magnetic moments and Pu form factor in PuFe ₂ . Physical Review B, 1988, 37, 5577-5585.	1.1	42
205	Magnetic order and fluctuations in superconducting UPt ₃ . Physical Review Letters, 1988, 60, 615-618.	2.9	462
206	Spin Fluctuations in the Antiferromagnetic Heavy-Fermion System U ₂ Zn ₁₇ . Physical Review Letters, 1987, 58, 2003-2003.	2.9	1
207	Magnetic excitations and ordering in the heavy-electron superconductor URu ₂ Si ₂ . Physical Review Letters, 1987, 58, 1467-1470.	2.9	529
208	Spin fluctuations in the antiferromagnetic heavy-fermion system U ₂ Zn ₁₇ . Physical Review Letters, 1987, 58, 917-920.	2.9	87
209	Neutron Scattering from Heavy Fermion Systems. Springer Proceedings in Physics, 1987, , 162-165.	0.1	2
210	Commensurate-commensurate magnetic phase transitions in CeSb. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 505-506.	1.0	8