

Huibo Cao

List of Publications by Year in descending order

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181
papers

5,918
citations

81839

39
h-index

88593

70
g-index

189
all docs

189
docs citations

189
times ranked

7187
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi-layer Square Lattice $Tb_2SrAl_2O_7$ with Structural Z_8 Vortices and Magnetic Frustration. Chemistry of Materials, 2022, 34, 1225-1234.	3.2	3
2	Role of the third dimension in searching for Majorana fermions in $\hat{I}\pm$ via phonons. Physical Review Research, 2022, 4, .		
3	Toward tunable quantum transport and novel magnetic states in $Eu_1-xSrxMn_1-zSb_2$ ($z \leq 0.05$). NPG Asia Materials, 2022, 14, .	3.8	8
4	Non-magnetic ion site disorder effects on the quantum magnetism of a spin-1/2 equilateral triangular lattice antiferromagnet. Journal of Physics Condensed Matter, 2022, 34, 205401.	0.7	1
5	Unusual Electrical and Magnetic Properties in Layered $EuZn_2As_2$. Advanced Quantum Technologies, 2022, 5, .	1.8	15
6	Anticollinear order and degeneracy lifting in square lattice antiferromagnet $LaSrCrO_4$. Physical Review B, 2022, 105, .		
7	Evidence for pressure induced unconventional quantum criticality in the coupled spin ladder antiferromagnet $C_9H_{18}N_2CuBr_4$. Nature Communications, 2022, 13, .	5.8	3
8	Symmetry progression and possible polar metallicity in $NiPS_3$ under pressure. Npj 2D Materials and Applications, 2022, 6, .	3.9	4
9	PIONEER, a high-resolution single-crystal polarized neutron diffractometer. Review of Scientific Instruments, 2022, 93, .	0.6	7
10	Helical magnetic order and Fermi surface nesting in noncentrosymmetric $ScFeGe$. Physical Review B, 2021, 103, .	1.1	5
11	Vacancy defect control of colossal thermopower in $FeSb_2$. Npj Quantum Materials, 2021, 6, .	1.8	13
12	Neutron diffraction study of magnetism in van der Waals layered $MnBi_2nTe_{3n+1}$. Journal Physics D: Applied Physics, 2021, 54, 174003.	1.3	13
13	Helimagnetism in $MnBi_2Se_4$ Driven by Spin-Frustrating Interactions Between Antiferromagnetic Chains. Crystals, 2021, 11, 242.	1.0	9
14	Neutron scattering investigation of proposed Kosterlitz-Thouless transitions in the triangular-lattice Ising antiferromagnet $TmMgGaO_4$. Physical Review B, 2021, 103, .	1.1	16
15	Observation of novel charge ordering and spin reorientation in perovskite oxide $PbFeO_3$. Nature Communications, 2021, 12, 1917.	5.8	17
16	Flat-band-induced itinerant ferromagnetism in $RbCo_2Se_2$. Physical Review B, 2021, 103, .	1.1	8
17	Structure-property correlation in stabilizing axial magnetic anisotropy in octahedral $Co(II)$ complexes. Cell Reports Physical Science, 2021, 2, 100404.	2.8	23
18	Spinon Fermi Surface Spin Liquid in a Triangular Lattice Antiferromagnet $NaYbSe_2$. Physical Review X, 2021, 11, .	2.8	42

#	ARTICLE	IF	CITATIONS
19	Magnetic excitations of the hybrid multiferroic $\text{Nd}_2\text{Mn}_2\text{O}_7$. Physical Review B, 2021, 103, .	5.8	5
20	Spin-valley locking and bulk quantum Hall effect in a noncentrosymmetric Dirac semimetal BaMnSb_2 . Nature Communications, 2021, 12, 4062.	5.8	32
21	Reinvestigation of crystal symmetry and fluctuations in $\text{La}_2\text{Mn}_2\text{O}_7$. Physical Review B, 2021, 104, .	5.8	10
22	Tuning magnetism and band topology through antisite defects in Sb-doped MnBi . Physical Review B, 2021, 104, .	5.8	4
23	Ferromagnetic $\text{Cr}_4\text{PtGa}_{17}$: A Half-Heusler-Type Compound with a Breathing Pyrochlore Lattice. Journal of the American Chemical Society, 2021, 143, 14342-14351.	6.6	6
24	Field-tunable toroidal moment in a chiral-lattice magnet. Nature Communications, 2021, 12, 5339.	5.8	13
25	Coexistence of Magnetoelectric and Antiferroelectric-like Orders in $\text{Mn}_3\text{Ta}_2\text{O}_8$. Inorganic Chemistry, 2021, 60, 15078-15084.	1.9	1
26	Quantum spin state transitions in the spin-1 equilateral triangular lattice antiferromagnet $\text{Na}_2\text{Mn}_2\text{O}_7$. Physical Review B, 2021, 104, .	5.8	12
27	Magnetic and electronic structures of antiferromagnetic topological material candidate EuMg_2Bi_2 . Journal of Applied Physics, 2021, 129, .	1.1	19
28	Spin excitations in metallic kagome lattice FeSn and CoSn . Communications Physics, 2021, 4, .	2.0	23
29	A van der Waals antiferromagnetic topological insulator with weak interlayer magnetic coupling. Nature Communications, 2020, 11, 97.	5.8	176
30	Observation of a Large Magnetic Anisotropy and a Field-Induced Magnetic State in $\text{SrCo}(\text{VO}_4)(\text{OH})$: A Structure with a Quasi One-Dimensional Magnetic Chain. Inorganic Chemistry, 2020, 59, 1029-1037.	1.9	7
31	Magnetic field induced phase transition in spinel GeNi_2O_4 . Physical Review B, 2020, 102, .	1.1	2
32	Nd -type antiferromagnetic order and magnetic field-temperature phase diagram in the spin-rare-earth honeycomb compound YbCl_3 . Physical Review B, 2020, 102, .	1.1	48
33	Realization of an intrinsic ferromagnetic topological state in $\text{MnBi}_8\text{Te}_{13}$. Science Advances, 2020, 6, eaba4275.	4.7	122
34	Competition of three-dimensional magnetic phases in $\text{Ca}_2\text{Mn}_2\text{O}_7$: A structural perspective. Physical Review B, 2020, 102, .	1.1	2
35	Field-induced magnetic phase transitions and the resultant giant anomalous Hall effect in the antiferromagnetic half-Heusler compound DyPtBi . Physical Review B, 2020, 102, .	1.1	13
36	Noncollinear magnetic structure and magnetoelectric coupling in buckled honeycomb Co_4O_9 : A single-crystal neutron diffraction study. Physical Review B, 2020, 102, .	1.1	18

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37	Partial antiferromagnetic helical order in single-crystal Fe ₃ PO ₄ O ₃ . Physical Review B, 2020, 101, .	1.1	3
38	Magnetic properties of ferrimagnetic Mn ₃ Si ₂ Se ₆ . Journal of Magnetism and Magnetic Materials, 2020, 511, 166936.	1.0	8
39	Crystal and magnetic structures of magnetic topological insulators MnBi and $\text{Mn}_2\text{Bi}_2\text{Te}_5$. Physical Review B, 2020, 101, .	1.1	72
40	Noncoplanar ferrimagnetism and local crystalline-electric-field anisotropy in the quasicrystal approximant Au ₇₀ Si ₁₇ Tb ₁₃ . Journal of Physics Condensed Matter, 2020, 32, 415802.	0.7	25
41	Magnetic structure and exchange interactions in the layered semiconductor CrPS_4 . Physical Review B, 2020, 102, .	1.1	33
42	Magnetic order and fluctuations in the quasi-two-dimensional planar magnet Sr(Co _{1-x} Ni _x) ₂ As ₂ . Physical Review B, 2020, 102, .	1.1	1
43	Observation of a C-type short-range antiferromagnetic order in layer spacing expanded FeS. Physical Review Materials, 2020, 4, .	0.9	3
44	Canted antiferromagnetic order in the monoaxial chiral magnets V _{1/3} TaS ₂ and V _{1/3} NbS ₂ . Physical Review Materials, 2020, 4, .	0.9	15
45	Structural distortion and incommensurate noncollinear magnetism in EuAg_4 . Physical Review Materials, 2020, 4, .	1.0	10
46	Large spin-driven dielectric response and magnetoelectric coupling in the buckled honeycomb $\text{Fe}_4\text{Nb}_2\text{O}_{19}$. Physical Review Materials, 2020, 4, .	0.9	8
47	Anisotropic properties, charge ordering, and ferrimagnetic structures in the strongly correlated VO_2 . Physical Review Materials, 2020, 4, .	1.1	10
48	Magnetic properties of the low-dimensional BaM ₂ Si ₂ O ₇ system (M=Cu, Co, Mn). Physical Review B, 2019, 100, .	1.1	2
49	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
50	DEMAND, a Dimensional Extreme Magnetic Neutron Diffractometer at the High Flux Isotope Reactor. Crystals, 2019, 9, 5.	1.0	27
51	Consequences of magnetic ordering in chiral MnS . Physical Review B, 2019, 100, .	1.1	33
52	Flat-band magnetism and helical magnetic order in Ni-doped SrCo_2As_2 . Physical Review B, 2019, 100, .	1.1	15
53	Large linear magnetoelectric effect and field-induced ferromagnetism and ferroelectricity in DyCrO ₄ . NPG Asia Materials, 2019, 11, .	3.8	19
54	Anisotropic spin fluctuations in detwinned FeSe. Nature Materials, 2019, 18, 709-716.	13.3	60

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55	<p>Relationship between the $n \times 2$ and $b \times 2$ antiferromagnetic order in layered BaMn_2S_2 and BaMn_2S_2. <i>Physical Review B</i>, 2019, 100, 080401.</p>	1.1	3
56	<p>$\text{Na}_2\text{Mn}_3\text{Se}_4$: Strongly Frustrated Antiferromagnetic Semiconductor with Complex Magnetic Structure. <i>Inorganic Chemistry</i>, 2019, 58, 5799-5806.</p>	1.9	6
57	<p>Overdamped Antiferromagnetic Strange Metal State in $\text{Sr}_2\text{Mn}_3\text{S}_8$. <i>Physical Review Letters</i>, 2019, 122, 157201.</p>	2.9	5
58	<p>A New Magnetic Topological Quantum Material Candidate by Design. <i>ACS Central Science</i>, 2019, 5, 900-910.</p>	5.3	63
59	<p>Anomalous magnetic behavior of BaMn_2S_2 with isolated CoO. <i>Physical Review B</i>, 2019, 100, 080401.</p>	1.1	8
60	<p>Intertwined Magnetic and Nematic Orders in Semiconducting KFe_2O_8. <i>Physical Review Letters</i>, 2019, 122, 087201.</p>	2.9	13
61	<p>Nontrivial topology in the layered Dirac nodal-line semimetal candidate SrZnSb_2 with distorted Sb square nets. <i>Physical Review B</i>, 2019, 100, 080401.</p>	1.1	15
62	<p>Lattice distortion in the spin-orbital entangled state in RVO_3 perovskites. <i>Physical Review B</i>, 2019, 100, 080401.</p>	1.1	8
64	<p>Spin-flop phase transition in the orthorhombic antiferromagnetic topological semimetal $\text{Cu}_{0.95}\text{MnAs}$. <i>Journal of Magnetism and Magnetic Materials</i>, 2019, 469, 570-573.</p>	1.0	7
65	<p>Neutron Instruments for Research in Coordination Chemistry. <i>European Journal of Inorganic Chemistry</i>, 2019, 2019, 1065-1089.</p>	1.0	29
66	<p>Geometric and Magnetic Structures of K_2Re_6 as an Antiferromagnetic Insulator with Ferromagnetic Spin-Canting Originated from Spin-Orbit Coupling. <i>Journal of Physical Chemistry C</i>, 2019, 123, 1645-1652.</p>	1.5	1
67	<p>Incommensurate magnetism in K_2MnS_6 and prospects for tunable frustration in a triangular lattice of pseudo-1D spin chains. <i>Physical Review B</i>, 2019, 100, 080401.</p>	1.0	6
68	<p>Magnetic order in single crystals of $\text{Na}_3\text{Mn}_3\text{S}_7$ with a honeycomb arrangement of MnS_6 octahedra. <i>Physical Review Materials</i>, 2019, 3, 034401.</p>	0.9	49
69	<p>In-plane hexagonal antiferromagnet in the Cu-Mn-As system. <i>Physical Review Materials</i>, 2019, 3, 034401.</p>	0.9	49
70	<p>Magnetic order of Nd_5Pb_3 single crystals. <i>Journal of Physics Condensed Matter</i>, 2018, 30, 135801.</p>	0.7	4
71	<p>A suite-level review of the neutron single-crystal diffraction instruments at Oak Ridge National Laboratory. <i>Review of Scientific Instruments</i>, 2018, 89, 092802.</p>	0.6	43
72	<p>Tuning the Néel Temperature of Hexagonal Ferrites by Structural Distortion. <i>Physical Review Letters</i>, 2018, 121, 237203.</p>	2.9	29

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73	Magnetic order in the rare-earth ferroborate $\text{CeFe}_3\text{Mn}_2\text{O}_{13}$. Physical Review B, 2018, 98, .		
74	Next-generation diamond cell and applications to single-crystal neutron diffraction. Review of Scientific Instruments, 2018, 89, 092902.	0.6	20
75	Anisotropic susceptibilities in the honeycomb Kitaev system Yb_2TeO_7 . Physical Review B, 2018, 98, .		
76	$\text{U}_8\text{Al}_{19}\text{Si}_6$, A Uranium Aluminide Silicide with a Stuffed Supercell Grown from Aluminum Flux. Chemistry of Materials, 2018, 30, 3806-3812.	3.2	2
77	Multiple topologically nontrivial bands in noncentrosymmetric YSn_2 . Physical Review B, 2018, 98, .	1.1	4
78	The nature of spin excitations in the one-third magnetization plateau phase of $\text{Ba}_3\text{CoSb}_2\text{O}_9$. Nature Communications, 2018, 9, 2666.	5.8	62
79	Electronic phase separation and magnetic-field-induced phenomena in molecular multiferroic ND_2O_2 . Physical Review B, 2018, 98, .		
80	Magnetism of new metastable cobalt-nitride compounds. Nanoscale, 2018, 10, 13011-13021.	2.8	24
81	Mechanical control of crystal symmetry and superconductivity in Weyl semimetal MoTe_2 . Physical Review Materials, 2018, 2, .		
82	Impact of Sn substitution on the structure and magnetism of $\text{Sr}_2\text{Mn}_2\text{O}_7$. Physical Review Materials, 2018, 2, .		
83	Three-dimensional magnetic interactions in quasi-two-dimensional PdAs_2O_6 . Journal of Physics Condensed Matter, 2017, 29, 235801.	0.7	1
84	Complex magnetic phase diagram with multistep spin-flop transitions in LaP_2O_7 . Physical Review B, 2017, 96, .	1.1	8
85	Canted magnetic ground state of quarter-doped manganites $\text{R}_{0.75}\text{Ca}_{0.25}\text{MnO}_3$ ($\text{R} = \text{Y, Tb, Dy, Ho, Er}$). Journal of Physics Condensed Matter, 2017, 29, 065802.		
86	Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in $\text{BiMn}_3\text{Cr}_4\text{O}_{12}$. Advanced Materials, 2017, 29, 1703435.	11.1	50
87	Local breaking of fourfold rotational symmetry by short-range magnetic order in heavily overdoped BaCu_2O_7 . Physical Review B, 2017, 96, .	1.1	6
88	Unusual interlayer quantum transport behavior caused by the zeroth Landau level in YbMnBi_2 . Nature Communications, 2017, 8, 646.	5.8	35
89	Neutron diffraction and ^1H NMR studies of two polymorphs of nickel niobate NiNb_2O_7 . Physical Review B, 2017, 96, .	1.1	7
90	Manganese-induced magnetic symmetry breaking and its correlation with the metal-insulator transition in bilayered $\text{Sr}_3(\text{Ru}_{1-x}\text{Mn}_x)_2\text{O}_7$. Physical Review B, 2017, 95, .	1.1	3

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91	Giant magnetoelectric effects achieved by tuning spin cone symmetry in Y-type hexaferrites. Nature Communications, 2017, 8, 519.	5.8	97
92	A magnetic topological semimetal $\text{Sr}_{1-y}\text{Mn}_1\text{zSb}_2$ ($y, z \leq 0.1$). Nature Materials, 2017, 16, 905-910.	13.3	135
93	Improving superconductivity in BaFe_2As_2 -based crystals by cobalt clustering and electronic uniformity. Scientific Reports, 2017, 7, 949.	1.6	13
94	Destabilization of Magnetic Order in a Dilute Kitaev Spin Liquid Candidate. Physical Review Letters, 2017, 119, 237203.	2.9	36
95	Multiferroics: Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in $\text{BiMnCr}_3\text{O}_{12}$ (Adv. Mater. 44/2017). Advanced Materials, 2017, 29, .	11.1	5
96	Antiferromagnetism in the van der Waals layered spin-lozenge semiconductor CrTe_3 . Physical Review B, 2017, 95, .	1.1	44
97	Magnetic order and interactions in ferrimagnetic Mn_3B . Physical Review B, 2017, 95, .	1.1	40
98	Flux growth and characterization of Ce-substituted Nd_2B single crystals. Journal of Magnetism and Magnetic Materials, 2017, 434, 1-9.	1.1	36
99	Magnetic order induces symmetry breaking in the single-crystalline orthorhombic CuMnAs semimetal. Physical Review B, 2017, 96, .	1.1	22
100	Magnetic Frustration Driven by Itinerancy in Spinel CoV_2O_4 . Scientific Reports, 2017, 7, 17129.	1.6	24
101	Spectroscopic evidence for a type II Weyl semimetallic state in MoTe_2 . Nature Materials, 2016, 15, 1155-1160.	13.3	437
102	Spin-lattice coupling mediated multiferroicity in D_2O . Physical Review B, 2016, 94, .	1.1	15
103	A Mott insulator continuously connected to iron pnictide superconductors. Nature Communications, 2016, 7, 13879.	5.8	36
104	Persistent magnetism in silver-doped BaFe_2As_2 crystals. Physical Review B, 2016, 94, .	1.1	3
105	Atomic-scale observation of structural and electronic orders in the layered compound RuCl_3 . Nature Communications, 2016, 7, 13774.	5.8	66
106	Nearly massless Dirac fermions hosted by Sb square net in BaMnSb_2 . Scientific Reports, 2016, 6, 30525.	1.6	75
107	Controlling Magnetic Ordering in $\text{Ca}_{1-x}\text{Eu}_x\text{Co}_2\text{As}_2$ by Chemical Compression. Chemistry of Materials, 2016, 28, 7459-7469.	3.2	9
108	Magnetic Precursor of the Pressure-Induced Superconductivity in Fe-Ladder Compounds. Physical Review Letters, 2016, 117, 047003.	2.9	39

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109	Tuning Magnetism of $[MnSb_4]^{9+}$ Cluster in $Yb_{14}MnSb_{11}$ through Chemical Substitutions on Yb Sites: Appearance and Disappearance of Spin Reorientation. <i>Journal of the American Chemical Society</i> , 2016, 138, 12422-12431.	6.6	41
110	$LaMn_3Ni_2Mn_2O_{12}$: An A- and B-Site Ordered Quadruple Perovskite with A-Site Tuning Orthogonal Spin Ordering. <i>Chemistry of Materials</i> , 2016, 28, 8988-8996.	3.2	27
111	Structural and magnetic phase transitions in $Ca_{1-x}Mn_{0.73-x}$ electron-overdoped FeAs layers. <i>Physical Review B</i> , 2016, 93, .		
112	Publisher's Note: Structural and magnetic phase transitions in $Ca_{1-x}Mn_{0.73-x}$ electron-overdoped FeAs layers [Phys. Rev. B 93 , 054522 (2016)]. <i>Physical Review B</i> , 2016, 93, .		
113	Low-temperature crystal and magnetic structure of $Mn_{1-x}Co_xWO_4$. <i>Physical Review B</i> , 2016, 93, .		
114	Pressure effects on magnetic ground states in cobalt-doped multiferroic $Mn_{1-x}Co_xWO_4$. <i>Physical Review B</i> , 2016, 93, .	1.1	5
115	Structural and magnetic characterization of the one-dimensional $S=5$ antiferromagnetic chain system		

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127	<p>Ordering of C vacancies in phase-separated $\text{Ca}_{1-x}\text{F}_x\text{Mg}_x\text{O}$</p> <p>Physical Review B, 2015, 92, .</p>	1.1	6
128	<p>High antiferromagnetic transition temperature of the honeycomb compound SrRu_2O_6</p> <p>Physical Review B, 2015, 92, .</p>	1.1	37
129	<p>Mott localization in a pure stripe antiferromagnet RbSr_2O_6</p> <p>Physical Review B, 2015, 92, .</p>	1.1	12
130	<p>Evolution of the magnetic and structural properties of FeV_2O_4</p> <p>Physical Review B, 2015, 92, .</p>	1.1	7
131	<p>Ordering of Ge vacancies in phase-separated $\text{Ca}_{1-x}\text{Ge}_x\text{Mg}_x\text{O}$</p> <p>Physical Review B, 2015, 92, .</p>		

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145	Symmetry-lowering lattice distortion at the spin reorientation in MnBi single crystals. Physical Review B, 2014, 90, .	1.1	49
146	Synthesis, Crystal Structure, and Magnetic Properties of Novel Intermetallic Compounds $R_{2-x}Co_2SiC$ (R = Pr, Nd). Inorganic Chemistry, 2014, 53, 6141-6148.	1.9	9
147	Magnetic structure and spin excitations in $BaMn_2O_7$. Physical Review B, 2014, 89, .		
148	Magnetic structure of the chiral triangular magnet MnSb ₂ O ₆ . Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C387-C387.	0.0	0
149	Temperature-driven phase transformation in Y ₃ Co: Neutron scattering and first-principles studies. Physical Review B, 2013, 88, .	1.1	6
150	Competition between the structural phase transition and superconductivity in IrPt ₂ . Physical Review B, 2013, 88, .	1.1	46
151	Absence of structural transition in $Fe_{1-x}Te$. Physical Review B, 2013, 88, .	1.1	48
152	Magnetic and structural properties near the Lifshitz point in $IrTe_2$. Physical Review B, 2013, 88, .	1.1	6
153	Origin of the phase transition in $IrTe_2$: Structural Dy-Dy magnetic interaction and local structure bias on the complex spin and orbital ordering in $DyVO_4$. Physical Review B, 2013, 88, .	1.1	62
154	Competition between the structural phase transition and superconductivity in $IrPt_2$. Physical Review B, 2013, 88, .	1.1	46
155	Competing Phases, Complex Structure, and Complementary Diffraction Studies of $R_3\hat{I}FeAl_4-xMgxTt_2$ Intermetallics (R = Y, Dy, Er, Yb; Tt = Si or Ge; x < 0.5). Chemistry of Materials, 2013, 25, 3363-3372.	3.2	9
156	Magnetic structure in the spin liquid Tb ₂ Ti ₂ O ₇ induced by a [111] magnetic field: Search for a magnetization plateau. Physical Review B, 2013, 88, .	1.1	27
157	Flux growth and physical properties of $MoSb_3$. Physical Review B, 2013, 87, .	1.1	13
158	Electric-field-controlled antiferromagnetic domains in epitaxial BiFeO ₃ thin films probed by neutron diffraction. Physical Review B, 2013, 87, .	1.1	29
159	Neutron-Diffraction Measurements of an Antiferromagnetic Semiconducting Phase in the Vicinity of the High-Temperature Superconducting State of KFe_2As_2 . Physical Review Letters, 2012, 109, 267003.	2.9	85
160	Publisher's Note: Spin Reorientation in TlFe _{1.6} Se ₂ with Complete Vacancy Ordering [Phys. Rev. Lett. 109, 077003 (2012)]. Physical Review Letters, 2012, 109, .	2.9	1
161	Magnetic structure and spin excitations in $CoWO_4$. Physical Review B, 2012, 85, .	1.1	38
162	Evolution of the nuclear and magnetic structures of TlFe _{1.6} Se ₂ with temperature. Physical Review B, 2012, 85, .	1.1	11

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163	Direct evidence of a zigzag spin-chain structure in the honeycomb lattice: A neutron and x-ray diffraction investigation of single-crystal Na IrO_2 . Physical Review B, 2012, 85, .	1.1	318
164	Magnetic properties of the $S=12$ quasisquare lattice antiferromagnet $\text{CuF}_2(\text{H}_2\text{O})_2(\text{pyz})$ ($\text{pyz}=\text{pyrazine}$) investigated by neutron scattering. Physical Review B, 2012, 86, .	1.1	15
165	Spin Reorientation in $\text{TlFe}_{1.6}\text{Se}_2$ Complete Vacancy Ordering. Physical Review Letters, 2012, 109, 077003.	1.1	12
166	Magnetic structure of quasi-one-dimensional antiferromagnetic $\text{TaFe}_{1+y}\text{Te}_3$. Physical Review B, 2012, 85, .	1.1	11
167	Four-circle single-crystal neutron diffractometer at the High Flux Isotope Reactor. Journal of Applied Crystallography, 2011, 44, 655-658.	1.9	97
168	Spin glass and semiconducting behavior in one-dimensional BaFe_2Se_3 crystals. Physical Review B, 2011, 84, .	1.1	58
169	Unusual phase transitions and magnetoelastic coupling in $\text{TlFe}_{1.6}\text{Se}_2$ single crystals. Physical Review B, 2011, 83, .	1.1	21
170	Competing magnetic ground states in nonsuperconducting $\text{BaTlFe}_2\text{Se}_3$. Physical Review B, 2011, 83, .	1.1	69
171	Unusual phase transitions and magnetoelastic coupling in $\text{TlFe}_{1.6}\text{Se}_2$ single crystals [Phys. Rev. B 83, 224510 (2011)]. Physical Review B, 2011, 84, .	1.1	0
172	Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting RbFe_2Se_3 . Physical Review B, 2011, 83, .	1.1	54
173	Field-induced magnetic structures in $\text{Tb}_2\text{Ti}_2\text{O}_7$ at low temperatures: From spin-ice to spin-flip structures. Physical Review B, 2010, 82, .	1.1	17
174	Field evolution of the magnetic structures in $\text{Er}_2\text{Ti}_2\text{O}_7$ through the critical point. Physical Review B, 2010, 82, .	1.1	23
175	Magnetic order in $\text{Tb}_2\text{Ti}_2\text{O}_7$ at high pressure: From ordered spin ice to spin liquid and antiferromagnetic order. Physical Review B, 2009, 80, .	1.1	6
176	Spin density and non-collinear magnetization in frustrated pyrochlore from polarized neutron scattering. Physica B: Condensed Matter, 2009, 404, 2509-2512.	1.3	5
177	Anisotropic exchange in frustrated pyrochlore $\text{Yb}_2\text{Ti}_2\text{O}_7$. Journal of Physics Condensed Matter, 2009, 21, 492202.	0.7	34
178	Field induced ground states in $\text{Tb}_2\text{Ti}_2\text{O}_7$ spin liquid. Journal of Physics: Conference Series, 2009, 145, 012021.	0.3	2
179	Field-Induced Spin-Ice-Like Orders in Spin Liquid $\text{Tb}_2\text{Ti}_2\text{O}_7$. Physical Review Letters, 2008, 101, 196402.	2.9	29
180	Magnetic exchange couplings in the single-molecule magnet of Mn_{12}Ac . Journal of Chemical Physics, 2008, 128, 154711.	1.2	10

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181	Quantum tunneling of magnetization in Fe-substituted Mn ₁₂ studied by ac magnetic susceptibility. Physical Review B, 2005, 72, .	1.1	5