

# Wei Bao

## List of Publications by Year in descending order

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78  
papers

8,075  
citations

109137

35  
h-index

76769

74  
g-index

80  
all docs

80  
docs citations

80  
times ranked

5290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Temperature Magnetoresistance and the Magnetic Phase Diagram of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ . Physical Review Letters, 1995, 75, 3336-3339.	2.9	2,081
2	Neutron-Diffraction Measurements of Magnetic Order and a Structural Transition in the Parent $\text{BaFe}_2\text{As}_2$ of FeAs-Based High-Temperature Superconductors. Physical Review Letters, 2008, 101, 257003.	2.9	730
3	$\text{Fe}(\text{Te},\text{Se})$ Superconductors. Physical Review Letters, 2008, 101, 257003.	2.9	601
4	Thermodynamic and Electron Diffraction Signatures of Charge and Spin Ordering in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ . Physical Review Letters, 1996, 76, 3188-3191.	2.9	434
5	A Novel Large Moment Antiferromagnetic Order in $\text{K}_{0.8}\text{Fe}_{1.6}\text{Se}_2$ Superconductor. Chinese Physics Letters, 2011, 28, 086104.	1.3	338
6	Coexistence of superconductivity and antiferromagnetism in $(\text{Li}_{0.8}\text{Fe}_{0.2})\text{OHFeSe}$ . Nature Materials, 2015, 14, 325-329.	13.3	330
7	Coexistence of the spin-density wave and superconductivity in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ . Europhysics Letters, 2009, 85, 17006.	0.7	315
8	Electronic Aspects of the Ferromagnetic Transition in Manganese Perovskites. Physical Review Letters, 1996, 76, 4215-4218.	2.9	296
9	From $(\Gamma,0)$ magnetic order to superconductivity with $(\Gamma,\Gamma)$ magnetic resonance in $\text{Fe}_{1.02}\text{Te}_{1-x}\text{S}_x$ . Nature Materials, 2010, 9, 718-720.	13.3	248
10	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
11	Impact of Charge Ordering on Magnetic Correlations in Perovskite $(\text{Bi,Ca})\text{MnO}_3$ . Physical Review Letters, 1997, 78, 543-546.	2.9	212
12	Common Crystalline and Magnetic Structure of Superconducting $\text{Fe}(\text{Te},\text{Se})$		

#	ARTICLE	IF	CITATIONS
19	A Novel Helical Double-Layered Cobalt(II) $\hat{a}^*$ Organic Framework with Tetranuclear $[\text{Co}_4(\mu_4\text{-OH})_2]$ Clusters Linked by an Unsymmetrical Pyridylbenzoate Ligand. Inorganic Chemistry, 2007, 46, 9021-9023.	1.9	84
20	Incommensurate itinerant antiferromagnetic excitations and spin resonance in the $\text{FeTe}$ . Physical Review B, 2010, 81, .	1.1	79
21	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
22	Magnetic structure of heavy-fermion $\text{Ce}_2\text{RhIn}_8$ . Physical Review B, 2001, 64, .	1.1	65
23	Magnetism and unconventional superconductivity in $\text{CeM}_3\text{In}_{3+2m}$ heavy-fermion crystals. Physica B: Condensed Matter, 2003, 329-333, 446-449.	1.3	65
24	Spin Valve Effect and Magnetoresistivity in Single Crystalline $\text{Ca}_3\text{Ru}_2\text{O}_7$ . Physical Review Letters, 2008, 100, 247203.	2.9	63
25	NMR Study of the Pairing Symmetry and the Spin Dynamics in $\text{KSeFe}_2\text{O}_7$ . Physical Review Letters, 2008, 100, 247203.	2.9	62
26	Anisotropic three-dimensional magnetic fluctuations in heavy fermion $\text{CeRhIn}_5$ . Physical Review B, 2002, 65, .	1.1	56
27	Magnetic correlations and quantum criticality in the insulating antiferromagnetic, insulating spin liquid, renormalized Fermi liquid, and metallic antiferromagnetic phases of the Mott system $\text{V}_2\text{O}_3$ . Physical Review B, 1998, 58, 12727-12748.	1.1	53
28	Friedel-Like Oscillations from Interstitial Iron in Superconducting $\text{Fe}_1\text{Co}_y\text{Fe}_2$ . Physical Review Letters, 2012, 108, 107002.	2.9	51
29	Neutron-scattering study of the oxypnictide superconductor $\text{LaFeAsO}_{0.87}$ . Physical Review B, 2008, 78, .	1.1	48
30	Unconventional Ferromagnetic and Spin-Glass States of the Reentrant Spin Glass $\text{Fe}_{0.7}\text{Al}_{0.3}$ . Physical Review Letters, 1999, 82, 4711-4714.	2.9	44
31	Novel Coexistence of Superconductivity with Two Distinct Magnetic Orders. Physical Review Letters, 2005, 95, 217002.	2.9	43
32	Superconductivity Tuned by the Iron Vacancy Order in $\text{K}_x\text{Fe}_{2-2x}\text{Se}_2$ . Chinese Physics Letters, 2013, 30, 027402.	1.3	39
33	Neutron scattering investigation of the magnetic order in single crystalline $\text{BaFe}_2\text{As}_2$ . New Journal of Physics, 2009, 11, 055001.	1.2	38
34	Evolution of low-energy spin dynamics in the electron-doped high-transition-temperature superconductor $\text{Pr}_{0.88}\text{La}_{0.12}\text{CuO}_4$ . Physical Review B, 2006, 74, .	1.1	36
35	Itinerant antiferromagnetism in the Mott compound $\text{V}_1.973\text{O}_3$ . Physical Review B, 1996, 54, R3726-R3729.	1.1	27
36	Unusual heavy-mass nearly ferromagnetic state with a surprisingly large Wilson ratio in the double layered ruthenates $\text{Ru}_2\text{O}_7$ . Physical Review B, 2008, 78, .	1.1	26

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37	Magnetic structure of antiferromagneticNdRhIn5. Physical Review B, 2002, 66, .	1.1	22
38	Extreme Suppression of Antiferromagnetic Order and Critical Scaling in a Two-Dimensional Random Quantum Magnet. Physical Review Letters, 2021, 126, 037201.	2.9	21
39	Simultaneous occurrence of multiferroism and short-range magnetic order in $\text{DyFeO}_3$ . Physical Review B, 2016, 93, .	1.1	19
40	Novel Dynamic Scaling Regime in Hole-DopedLa2CuO4. Physical Review Letters, 2003, 91, 127005.	2.9	18
41	Electron spectroscopic studies of colossal magnetoresistance material $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ . Journal of Applied Physics, 1996, 79, 4558.	1.1	17
42	Superconducting and normal-state properties of single-crystalline $\text{Tl}_0.47\text{Rb}_0.34\text{Fe}_{1.63}\text{Se}_2$ as seen via $^{77}\text{Se}$ and $^{87}\text{Rb}$ NMR. Physical Review B, 2011, 83, .	1.1	16
43	Structure, magnetic order and excitations in the 245 family of Fe-based superconductors. Journal of Physics Condensed Matter, 2015, 27, 023201.	0.7	15
44	Frustrated Magnetism in Mott Insulating $\text{TiETQ}_0$ . $\text{TiETQ}_0$ (mathvariant="normal")	2.8	14
45	2019, 9, . Strong magnetic fluctuations in transition metal oxides (invited). Journal of Applied Physics, 1996, 79, 5023.	1.1	13
46	Physics picture from neutron scattering study on Fe-based superconductors. Chinese Physics B, 2013, 22, 087405.	0.7	13
47	Simple high-pressure cell for neutron scattering. Review of Scientific Instruments, 1995, 66, 1260-1261.	0.6	12
48	Crystalline electric field excitations in the heavy fermion superconductor $\text{CeCoIn}_5$ . Journal of Applied Physics, 2004, 95, 7201-7203.	1.1	12
49	Neutron scattering study of spin dynamics in superconducting $\text{FeSe}$ . $\text{FeSe}$	1.1	12
50	Commensurate Dynamic Magnetic Correlations in $\text{La}_2\text{Cu}_{0.9}\text{Li}_{0.1}\text{O}_4$ . Physical Review Letters, 2000, 84, 3978-3981.	2.9	11
51	Study on the crystal structure of the rare earth oxyborate $\text{Yb}_2\text{B}_{12}\text{O}_{57}$ from powder X-ray and neutron diffraction. Journal of Alloys and Compounds, 2011, 509, 4707-4713.	2.8	11
52	Anisotropy of the $(\chi''/\chi')$ dynamic susceptibility in magnetically ordered ( $x=0.05$ ) and superconducting ( $x=0.40$ ) $\text{Fe}_{1-x}\text{Te}_x$ . Physical Review B, 2012, 86, .	1.1	11
53	Slow spin-glass and fast spin-liquid components in quasi-two-dimensional $\text{La}_2(\text{Cu,Li})\text{O}_4$ . Physical Review B, 2005, 72, .	1.1	10
54	Neutron diffraction study on magnetic structures and transitions in $\text{Sr}_2\text{FeO}_7$ . $\text{Sr}_2\text{FeO}_7$	1.1	9

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55	Effect of La doping on magnetic structure in heavy fermion CeRhIn <sub>5</sub> . Physica B: Condensed Matter, 2002, 312-313, 120-122.	1.3	7
56	Magnetic correlations in a classic Mott system. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 283-286.	1.0	6
57	High-Pressure Single-Crystal Neutron Scattering Study of Magnetic and Fe Vacancy Orders in (Tl,Rb) <sub>2</sub> Fe <sub>4</sub> Se <sub>5</sub> Superconductor. Chinese Physics Letters, 2014, 31, 127401.	1.3	6
58	Modified magnetism within the coherence volume of superconducting Fe <sub>1-x</sub> Se <sub>x</sub> . Physical Review B, 2014, 90, .	1.1	6
59	Effects of vanadium doping on BaFe <sub>2</sub> As <sub>2</sub> . Europhysics Letters, 2018, 122, 67006.	0.7	6
60	From double exchange to superexchange in charge-ordering perovskite manganites. Physica B: Condensed Matter, 1997, 241-243, 418-420.	1.3	5
61	Fincher-Burke spin excitations and T-scaling in insulating La <sub>1.95</sub> Sr <sub>0.05</sub> CuO <sub>4</sub> . Physical Review B, 2007, 76, .	1.1	5
62	Phonon softening and forbidden mode in Na <sub>0.5</sub> CoO <sub>2</sub> observed by Raman scattering. Physical Review B, 2008, 77, .	1.1	5
63	A Triplet Resonance in Superconducting Fe <sub>1.03</sub> Se <sub>0.4</sub> Te <sub>0.6</sub> . Chinese Physics Letters, 2018, 35, 127401.	1.3	5
64	Spin dynamics of the re-entrant spin glass Fe <sub>0.7</sub> Al <sub>0.3</sub> . Physica B: Condensed Matter, 1997, 241-243, 597-599.	1.3	4
65	Effect of pressure on magnetic structure in heavy-fermion CeRhIn <sub>5</sub> . Applied Physics A: Materials Science and Processing, 2002, 74, s557-s558.	1.1	4
66	A Single-Crystal Neutron Diffraction Study on Magnetic Structure of the Quasi-One-Dimensional Antiferromagnet SrCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> . Chinese Physics Letters, 2016, 33, 037502.	1.3	4
67	MAGNETIC PROPERTIES OF HEAVY FERMION SUPERCONDUCTORS CeRhIn <sub>5</sub> AND Ce <sub>2</sub> RhIn <sub>8</sub> . International Journal of Modern Physics B, 2002, 16, 3244-3249.	1.0	3
68	Commensurate magnetic structure of CeRhIn <sub>4.85</sub> Hg <sub>0.15</sub> . Physical Review B, 2009, 79, .	1.1	3
69	Evolution of superconductivity and antiferromagnetic order in Ba(Fe <sub>0.92</sub> xCo <sub>0.08</sub> Vx) <sub>2</sub> As <sub>2</sub> . Physical Review B, 2020, 101, .	1.1	3
70	Phase transitions in a magnetic field in V <sub>2</sub> yO <sub>3</sub> (y=0 and 0.04). Physical Review B, 2001, 63, .	1.1	2
71	The influence of the structural transition on magnetic fluctuations in NaFeAs. Journal of Physics Condensed Matter, 2016, 28, 27LT01.	0.7	2
72	Interplay between magnetism and superconductivity in CeIn <sub>5</sub> heavy fermion. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 175-176.	1.0	1

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73	Observation of linear spin wave dispersion in the reentrant spin glass Fe <sub>0.7</sub> Al <sub>0.3</sub> . Applied Physics A: Materials Science and Processing, 2002, 74, s859-s861.	1.1	0
74	Magnetic Properties of Heavy Fermion Superconductors CeRhIn <sub>5</sub> and Ce <sub>2</sub> RhIn <sub>8</sub> . ChemInform, 2003, 34, no.	0.1	0
75	Publisher's Note: Novel Coexistence of Superconductivity with Two Distinct Magnetic Orders [Phys. Rev. Lett.95, 217002 (2005)]. Physical Review Letters, 2007, 99, .	2.9	0
76	Inelastic Neutron Scattering Studies on the Crystal Field Excitations in Superconducting NdFeAsO <sub>0.85</sub> F <sub>0.15</sub> . Advances in Condensed Matter Physics, 2015, 2015, 1-5.	0.4	0
77	A single-crystal neutron diffraction study on magnetic structure of CsCo <sub>2</sub> Se <sub>2</sub> . Chinese Physics B, 2018, 27, 117401.	0.7	0
78	Antiferromagnetic structure and magnetic properties of $\text{Dy}_2\text{O}_2\text{Te}$ : An isostructural analog of the rare-earth superconductors $\text{R}_2\text{O}_2$ . Physical Review B, 2022, 105, .	1.1	0