

# 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	Antiferromagnetic structure and magnetic properties of $\text{CaMn}_2\text{O}_7$ : An isostructural analog of the rare-earth superconductors. <i>Physical Review B</i> , 2022, 105, .	1.1	0
2	Extreme Suppression of Antiferromagnetic Order and Critical Scaling in a Two-Dimensional Random Quantum Magnet. <i>Physical Review Letters</i> , 2021, 126, 037201.	2.9	21
3	Evolution of superconductivity and antiferromagnetic order in $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08}\text{V})_2\text{As}_2$ . <i>Physical Review B</i> , 2020, 101, .	1.1	3
4	Frustrated Magnetism in Mott Insulating $\text{CaMn}_2\text{O}_7$ . <i>Physical Review B</i> , 2019, 9, .	2.8	14
5	A single-crystal neutron diffraction study on magnetic structure of $\text{CsCo}_2\text{Se}_2$ . <i>Chinese Physics B</i> , 2018, 27, 117401.	0.7	0
6	A Triplet Resonance in Superconducting $\text{Fe}_{1.03}\text{Se}_{0.4}\text{Te}_{0.6}$ . <i>Chinese Physics Letters</i> , 2018, 35, 127401.	1.3	5
7	Neutron diffraction study on magnetic structures and transitions in $\text{Sr}_2\text{Fe}_2\text{O}_7$ . <i>Physical Review B</i> , 2018, 98, .	1.1	9
8	Effects of vanadium doping on $\text{BaFe}_2\text{As}_2$ . <i>Europhysics Letters</i> , 2018, 122, 67006.	0.7	6
9	The influence of the structural transition on magnetic fluctuations in $\text{NaFeAs}$ . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 27LT01.	0.7	2
10	Simultaneous occurrence of multiferroism and short-range magnetic order in $\text{DyFeO}_3$ . <i>Physical Review B</i> , 2016, 93, .	1.1	9
11	A Single-Crystal Neutron Diffraction Study on Magnetic Structure of the Quasi-One-Dimensional Antiferromagnet $\text{SrCo}_2\text{V}_2\text{O}_8$ . <i>Chinese Physics Letters</i> , 2016, 33, 037502.	1.3	4
12	Inelastic Neutron Scattering Studies on the Crystal Field Excitations in Superconducting $\text{NdFeAsO}_{0.85}\text{F}_{0.15}$ . <i>Advances in Condensed Matter Physics</i> , 2015, 2015, 1-5.	0.4	0
13	Structure, magnetic order and excitations in the 245 family of Fe-based superconductors. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 023201.	0.7	15
14	Coexistence of superconductivity and antiferromagnetism in $(\text{Li}_{0.8}\text{Fe}_{0.2})\text{OHFeSe}$ . <i>Nature Materials</i> , 2015, 14, 325-329.	13.3	330
15	High-Pressure Single-Crystal Neutron Scattering Study of Magnetic and Fe Vacancy Orders in $(\text{Ti,Rb})_2\text{Fe}_4\text{Se}_5$ Superconductor. <i>Chinese Physics Letters</i> , 2014, 31, 127401.	1.3	6
16	Modified magnetism within the coherence volume of superconducting $\text{FeSe}$ . <i>Physical Review B</i> , 2014, 90, .	1.1	6
17	Superconductivity Tuned by the Iron Vacancy Order in $\text{KFe}_2\text{Se}_2$ . <i>Chinese Physics Letters</i> , 2013, 30, 027402.	1.3	39
18	Neutron scattering study of spin dynamics in superconducting $(\text{Ti,Rb})_2\text{Fe}_4\text{Se}_5$ . <i>Physical Review B</i> , 2013, 87, 040402.	1.1	12

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19	Physics picture from neutron scattering study on Fe-based superconductors. Chinese Physics B, 2013, 22, 087405.	0.7	13
20	Anisotropy of the $(\chi''/\chi')$ dynamic susceptibility in magnetically ordered ( $x=0.05$ ) and superconducting ( $x=0.40$ ) $\text{Fe}_{1.02}\text{Te}_{1-x}\text{S}_x$ . Physical Review B, 2012, 86, .	1.1	11
21	Friedel-Like Oscillations from Interstitial Iron in Superconducting $\chi''/\chi'$ Physical Review Letters, 2012, 108, 107002.	2.9	51
22	Structure of vacancy-ordered single-crystalline superconducting potassium iron selenide. Physical Review B, 2011, 83, .	1.1	127
23	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
24	NMR Study of the Pairing Symmetry and the Spin Dynamics in $\text{K}_y\text{Fe}_x$ Journal of Alloys and Compounds, 2011, 509, 4707-4713.	2.9	62
25	Study on the crystal structure of the rare earth oxyborate $\text{Yb}_{26}\text{B}_{12}\text{O}_{57}$ from powder X-ray and neutron diffraction. Journal of Alloys and Compounds, 2011, 509, 4707-4713.	2.8	11

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37	Neutron-scattering study of the oxypnictide superconductor $\text{LaFeAsO}_{0.87}$ . Physical Review B, 2008, 78, .	1.1	48
38	Spin Valve Effect and Magnetoresistivity in Single Crystalline $\text{CaRu}_2\text{O}_7$ . Physical Review Letters, 2008, 100, 247203.	1.9	13
39	Phonon softening and forbidden mode in $\text{Na}_0.5\text{CoO}_2$ observed by Raman scattering. Physical Review B, 2008, 77, .	1.1	5
40	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
41	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
42	Fincher-Burke spin excitations and $\nu$ -scaling in insulating $\text{La}_{1.95}\text{Sr}_{0.05}\text{CuO}_4$ . Physical Review B, 2007, 76, .	1.1	5
43	A Novel Helical Double-Layered Cobalt(II) Organic Framework with Tetranuclear $[\text{Co}_4(\mu_4\text{O})_3(\mu_3\text{-OH})_2]$ Clusters Linked by an Unsymmetrical Pyridylbenzoate Ligand. Inorganic Chemistry, 2007, 46, 9021-9023.	1.9	84
44	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
45	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
46	Novel Coexistence of Superconductivity with Two Distinct Magnetic Orders. Physical Review Letters, 2005, 95, 217002.	2.9	43
47	Magnetic structure of $\text{CeRhIn}_5$ as a function of pressure and temperature. Physical Review B, 2004, 69, .	1.1	90
48	Interplay between magnetism and superconductivity in $\text{CeIn}_5$ heavy fermion. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 175-176.	1.0	1
49	Crystalline electric field excitations in the heavy fermion superconductor $\text{CeCoIn}_5$ . Journal of Applied Physics, 2004, 95, 7201-7203.	1.1	12
50	Magnetism and unconventional superconductivity in $\text{CeMmIn}_{3n+2m}$ heavy-fermion crystals. Physica B: Condensed Matter, 2003, 329-333, 446-449.	1.3	65
51	Magnetic Properties of Heavy Fermion Superconductors $\text{CeRhIn}_5$ and $\text{Ce}_2\text{RhIn}_8$ . ChemInform, 2003, 34, no.	0.1	0
52	Novel Dynamic Scaling Regime in Hole-Doped $\text{La}_2\text{CuO}_4$ . Physical Review Letters, 2003, 91, 127005.	2.9	18
53	Anisotropic three-dimensional magnetic fluctuations in heavy fermion $\text{CeRhIn}_5$ . Physical Review B, 2002, 65, .	1.1	56
54	Magnetic structure of antiferromagnetic $\text{NdRhIn}_5$ . Physical Review B, 2002, 66, .	1.1	22

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55	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
56	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
57	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
58	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
59	Phase transitions in a magnetic field in V <sub>2</sub> Y <sub>3</sub> O <sub>3</sub> (y=0 and 0.04). Physical Review B, 2001, 63, .	1.1	2
60	Magnetic structure of heavy-fermion Ce <sub>2</sub> RhIn <sub>8</sub> . Physical Review B, 2001, 64, .	1.1	65
61	Commensurate Dynamic Magnetic Correlations in La <sub>2</sub> Cu <sub>0.9</sub> Li <sub>0.1</sub> O <sub>4</sub> . Physical Review Letters, 2000, 84, 3978-3981.	2.9	11
62	Incommensurate magnetic structure of CeRhIn <sub>5</sub> . Physical Review B, 2000, 62, R14621-R14624.	1.1	163
63	Unconventional Ferromagnetic and Spin-Glass States of the Reentrant Spin Glass Fe <sub>0.7</sub> Al <sub>0.3</sub> . Physical Review Letters, 1999, 82, 4711-4714.	2.9	44
64	Magnetic correlations in a classic Mott system. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 283-286.	1.0	6
65	Magnetic correlations and quantum criticality in the insulating antiferromagnetic, insulating spin liquid, renormalized Fermi liquid, and metallic antiferromagnetic phases of the Mott system V <sub>2</sub> O <sub>3</sub> . Physical Review B, 1998, 58, 12727-12748.	1.1	53
66	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
67	Impact of Charge Ordering on Magnetic Correlations in Perovskite (Bi,Ca)MnO <sub>3</sub> . Physical Review Letters, 1997, 78, 543-546.	2.9	212
68	From double exchange to superexchange in charge-ordering perovskite manganites. Physica B: Condensed Matter, 1997, 241-243, 418-420.	1.3	5
69	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
70	Thermodynamic and Electron Diffraction Signatures of Charge and Spin Ordering in La <sub>1-x</sub> CaxMnO <sub>3</sub> . Physical Review Letters, 1996, 76, 3188-3191.	2.9	434
71	Electronic Aspects of the Ferromagnetic Transition in Manganese Perovskites. Physical Review Letters, 1996, 76, 4215-4218.	2.9	296
72	Electronic phase separation and charge ordering in (Sr,La) <sub>2</sub> MnO <sub>4</sub> : Indication of triplet bipolarons. Solid State Communications, 1996, 98, 55-59.	0.9	101

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73	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
74	Itinerant antiferromagnetism in the Mott compound $\text{V}_{1.973}\text{O}_3$ . Physical Review B, 1996, 54, R3726-R3729.	1.1	27
75	Strong magnetic fluctuations in transition metal oxides (invited). Journal of Applied Physics, 1996, 79, 5023.	1.1	13
76	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
77	Simple high-pressure cell for neutron scattering. Review of Scientific Instruments, 1995, 66, 1260-1261.	0.6	12
78	Incommensurate spin density wave in metallic $\text{V}_2\text{O}_3$ . Physical Review Letters, 1993, 71, 766-769.	2.9	93