

# Bing Xu

## List of Publications by Year in descending order

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papers

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citations

1163065

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888047

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g-index

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docs citations

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times ranked

542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-Driven Topological Phase Transition and Intermediate Dirac Semimetal Phase in $\text{ZrTe}_5$ . Physical Review Letters, 2018, 121, 187401.	7.8	93
2	Optical signatures of multifold fermions in the chiral topological semimetal CoSi. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27104-27110.	7.1	37
3	Observation of a topological nodal-line semimetal in $\text{YbMnSb}_2$ through optical spectroscopy. Physical Review B, 2019, 100, .	6.2	26
4	Anomalous phonon behavior in superconducting $\text{CaKFe}_4\text{As}_8$ : An optical study. Physical Review B, 2017, 95, .	5.2	4
5	Band-selective clean-limit and dirty-limit superconductivity with nodeless gaps in the bilayer iron-based superconductor $\text{CsCa}_2\text{FAs}_2$ . Physical Review B, 2019, 100, .	5.2	20
6	Infrared study of the multiband low-energy excitations of the topological antiferromagnet $\text{MnBi}_2$ . Physical Review B, 2021, 103, .	3.2	13
7	Infrared spectroscopic studies of the topological properties in $\text{CaMnSb}_2$ . Physical Review B, 2018, 98, .	3.2	10
8	Formation of As-As bond and its effect on absence of superconductivity in the collapsed tetragonal phase of $\text{Ca}_2\text{FAs}_2$ . An optical spectroscopy study. Physical Review B, 2015, 91, .	3.2	9
9	Observation of an emergent coherent state in the iron-based superconductor $\text{KFe}_2\text{As}_2$ . Physical Review B, 2017, 96, .	3.2	9
10	Free-standing graphene oxide mid-infrared polarizers. Nanoscale, 2020, 12, 11480-11488.	5.6	9
11	Optical Signature of a Crossover from Mott- to Slater-Type Gap in $\text{Sr}_2\text{FAs}_2$ . Physical Review Letters, 2020, 124, 027402.	7.8	8
12	Charge-stripe fluctuations in $\text{Nd}_4\text{FAs}_8$ as evidenced by optical spectroscopy. Physical Review B, 2021, 103, .	3.2	8
13	Scaling of the Pauli Effect of the In-Plane Fe-As Phonon and the Superconducting Critical Temperature in $\text{Ba}_x\text{K}_{1-x}\text{Fe}_2\text{As}_2$ . Physical Review Letters, 2019, 122, 217002.	7.8	1
14	Evolution of the 251 $\text{cm}^{-1}$ infrared phonon mode with temperature in $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ . Chinese Physics B, 2012, 21, 077403.	1.4	6
15	Infrared study of the interplay of charge, spin, and lattice excitations in the magnetic topological insulator $\text{EuIn}_5$ . Physical Review B, 2021, 103, .	3.2	5
16	In-plane optical spectral weight redistribution in the optimally doped $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ superconductor. Chinese Physics B, 2014, 23, 087401.	1.4	3
17	Optical study of the antiferromagnetic ordered state in electron-overdoped $\text{Ca}_2\text{FAs}_2$ . Physical Review B, 2016, 93, .	3.2	3
18	Non-collinear and asymmetric polar moments at back-gated $\text{SrTiO}_3$ interfaces. Communications Physics, 2022, 5, .	5.3	3

#	ARTICLE	IF	CITATIONS
19	Abnormal magnetoresistance behavior in Nb thin films with rectangular arrays of antidots. Chinese Physics B, 2012, 21, 077401.	1.4	2
20	Magnetoresistivity and filamentary superconductivity in nickel-doped BaFe <sub>2</sub> As <sub>2</sub> . Chinese Physics B, 2016, 25, 047401.	1.4	2
21	Magnetic field tuning of valley population in the Weyl phase of NdO <sub>7</sub> . Physical Review Research, 2022, 4, .	3.6	2
22	Optical conductivity as a probe of a hidden Fermi-liquid behavior in BaFe <sub>1.904</sub> Ni <sub>0.096</sub> As <sub>2</sub> . Chinese Physics B, 2014, 23, 107401.	1.4	1
23	Optical properties of topological semimetals. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 227804.	0.5	1
24	Optical study of charge dynamics in CaCo <sub>2</sub> As <sub>2</sub> . Chinese Physics B, 2016, 25, 057201.	1.4	0
25	Angular-dependent magnetic torque in iron-pnictide BaFe <sub>2-x</sub> Ni <sub>x</sub> As <sub>2</sub> . International Journal of Modern Physics B, 2017, 31, 1750005.	2.0	0
26	Infrared study of the iron-based superconductors. Scientia Sinica: Physica, Mechanica Et Astronomica, 2018, 48, 087403.	0.4	0