

# Bin Li

## List of Publications by Year in descending order

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50  
papers

819  
citations

567144

15  
h-index

526166

27  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Type-II Dirac Fermions Approaching the Fermi Level in a Transition Metal Dichalcogenide $\text{NiTe}_2$ . Chemistry of Materials, 2018, 30, 4823-4830.	3.2	101
2	Phonon spectra and superconductivity of the $\text{BiS}_2$ -based compounds $\text{LaO}_{1-x}\text{F}_x\text{BiS}_2$ . Europhysics Letters, 2013, 101, 47002.	0.7	100
3	Origin of superconductivity in the Weyl semimetal $\text{WT}_e$ under pressure. Physical Review B, 2016, 94, .	1.1	91
4	Rhodium dihydride ( $\text{RhH}_2$ ) with high volumetric hydrogen density. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18618-18621.	3.3	78
5	Electron-phonon coupling enhanced by the $\text{FeSe}/\text{SrTiO}_3$ interface. Journal of Applied Physics, 2014, 115, .	1.1	54
6	Predicted high-temperature superconductivity in cerium hydrides at high pressures. Journal of Applied Physics, 2019, 126, .	1.1	23
7	Synthesis, physical properties, and band structure of the layered bismuthide $\text{PtBi}_2$ . Physical Review B, 2016, 94, .	1.1	21
8	Anisotropic Transport and Quantum Oscillations in the Quasi-One-Dimensional $\text{TaNiTe}_5$ : Evidence for the Nontrivial Band Topology. Journal of Physical Chemistry Letters, 2020, 11, 7782-7789.	2.1	21
9	Evidence of s-wave superconductivity in the noncentrosymmetric $\text{La7Ir}_3$ . Scientific Reports, 2018, 8, 651.	1.6	19
10	Nonsaturating Magnetoresistance and Nontrivial Band Topology of Type-II Weyl Semimetal $\text{NbIrTe}_4$ . Advanced Electronic Materials, 2019, 5, 1900250.	2.6	19
11	La-doping effect on spin-orbit coupled $\text{Sr}_2\text{IrO}_4$ probed by x-ray absorption spectroscopy. New Journal of Physics, 2016, 18, 093019.	1.2	18
12	Extreme magnetoresistance and pressure-induced superconductivity in the topological semimetal candidate $\text{YBi}$ . Physical Review B, 2019, 99, .	1.1	17
13	Two-gap superconductivity and topological surface states in $\text{TaOsSi}$ . Physical Review B, 2019, 100, .	1.1	16
14	Bulk Fermi surface of the layered superconductor $\text{TaS}_3$ with three-dimensional strong topological state. Physical Review B, 2020, 101, .	1.1	16
15	Phonon softening induced by striped antiferromagnetic order in $\text{LiFeAs}$ . Applied Physics Letters, 2011, 98, 072506.	1.5	15
16	Topological Dirac states in a layered telluride $\text{TaPdTe}_5$ with quasi-one-dimensional chains. Physical Review B, 2020, 102, .	1.1	15
17	Topological phase transition under pressure in the topological nodal-line superconductor $\text{PbTaSe}_2$ . Physical Review B, 2017, 96, .	1.1	14
18	Large linear magnetoresistance in a transition-metal stannide $\text{RhSn}_4$ . Applied Physics Letters, 2016, 109, .	1.5	13

#	ARTICLE	IF	CITATIONS
19	Novel structural phases and superconductivity of iridium telluride under high pressures. Scientific Reports, 2014, 4, 6433.	1.6	11
20	Magnetic fluctuation and frustration in new iron-based layered SrFe <sub>1-x</sub> CoxAsF superconductors. Journal of Applied Physics, 2010, 107, .	1.1	10
21	Anisotropic transport and de Haas-van Alphen oscillations in quasi-one-dimensional $\text{TaPt}_2\text{Te}_3$ . Physical Review B, 2021, 103, .		
22	Kondo behavior and metamagnetic phase transition in the heavy-fermion compound $\text{CeBi}_2$ . Physical Review B, 2018, 97, .	1.1	9
23	Magnetic-enhanced electron-phonon coupling and vacancy effect in $\text{FeAsF}$ -type iron pnictides from first-principle calculations. Journal of Applied Physics, 2012, 111, .	1.1	8
24	Insulator-metal transition in deep Sr-vacant spin-orbit Mott insulator $\text{Sr}_2\text{IrO}_4$ . Journal of Alloys and Compounds, 2016, 687, 712-719.	2.8	8
25	A critical point in $\text{Sr}_2\text{IrO}_4$ and less distorted $\text{IrO}_6$ octahedra induced by deep Sr-vacancies. Materials Research Bulletin, 2017, 90, 1-7.	2.7	8
26	Protonation-induced discrete superconducting phases in bulk FeSe single crystals. Physical Review B, 2022, 105, .	1.1	8
27	Correlation between non-Fermi-liquid behavior and superconductivity in $(\text{Ca}, \text{La})(\text{Fe}, \text{Co})\text{As}_2$ iron arsenides: A high-pressure study. Physical Review B, 2017, 96, .		
28	Design of broadband impedance-matching Bessel lens with acoustic metamaterials. Journal of Applied Physics, 2019, 126, .	1.1	7
29	Time-reversal symmetry breaking superconductivity in three-dimensional Dirac semimetallic silicides. Physical Review Research, 2022, 4, .	1.3	7
30	Non-monotonic effect of the electronic transport and magnetic properties in a Sm-doped $\text{Sr}_{2-x}\text{Sm}_x\text{IrO}_4$ system. Europhysics Letters, 2018, 124, 17004.	0.7	6
31	Weak ferromagnetic insulator with huge coercivity in monoclinic double perovskite $\text{La}_2\text{CuIrO}_6$ . Journal of Physics Condensed Matter, 2019, 31, 435601.	0.7	6
32	Synthesis of Superconducting Cobalt Trihydride. Journal of Physical Chemistry Letters, 2020, 11, 6420-6425.	2.1	6
33	Phase transitions and superconductivity in ternary hydride $\text{Li}_2\text{SiH}_6$ at high pressures. Journal of Applied Physics, 2022, 131, .	1.1	6
34	Superconductivity switch from spin-singlet to -triplet pairing in a topological superconducting junction. Journal of Physics Condensed Matter, 2018, 30, 225302.	0.7	5
35	Quantum oscillations and anomalous angle-dependent magnetoresistance in the topological candidate $\text{Ag}_3\text{Sn}$ . Physical Review B, 2020, 101, .	1.1	5
36	Pressure engineering of the Dirac fermions in quasi-one-dimensional $\text{Tl}_2\text{Mo}_6\text{Se}_6$ . Journal of Physics Condensed Matter, 2020, 32, 215402.	0.7	5

