Bin Li

List of Publications by Year
in descending order

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Version: 2024-02-01

50	819	567144	526166
papers	citations	15	27
		h-index	g-index

51	51	51	1362
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anisotropic transport in a possible quasi-one-dimensional topological candidate: TaNi2Te3. Tungsten, 2023, 5, 325-331.	2.0	5
2	First-Principles Prediction of Superconductivity in Hole Doping of MgCN2. Journal of Superconductivity and Novel Magnetism, 2022, 35, 339-343.	0.8	1
3	Phase transitions and superconductivity in ternary hydride Li2SiH6 at high pressures. Journal of Applied Physics, 2022, 131, .	1.1	6
4	Time-reversal symmetry breaking superconductivity in three-dimensional Dirac semimetallic silicides. Physical Review Research, 2022, 4, .	1.3	7
5	Protonation-induced discrete superconducting phases in bulk FeSe single crystals. Physical Review B, 2022, 105, .	1.1	8
6	Antisite Defect and Magnetic Frustration in Double Perovskite Ln2CuRuO6 (Ln = La, Pr) Compounds. Journal of Superconductivity and Novel Magnetism, 2021, 34, 851-857.	0.8	1
7	Anisotropic transport and de Haasâ€“van Alphen oscillations in quasi-one-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ta</mml:mi><mml:mi>Pt</mml:mi>3</mml:msub><mml:mi>Te</mml:mi><mml:mn>4</mml:mn></mml:mrow></mml:math> Physical Review B, 2021, 103, .	1.1	3
8	Direct evidence of electron-hole compensation for extreme magnetoresistance in topologically trivial YBi. Physical Review B, 2021, 103, .	1.1	3
9	Transport property of multi-band topological material PtBi$$_2$$ studied by maximum entropy mobility spectrum analysis (MEMSA). Scientific Reports, 2021, 11, 6249.	1.6	5
10	Superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>PtPb</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:math> with possible nontrivial band topology. Physical Review B, 2021, 104, .	1.1	3
11	Synthesis of Superconducting Cobalt Trihydride. Journal of Physical Chemistry Letters, 2020, 11, 6420-6425.	2.1	6
12	Topological Dirac states in a layered telluride <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TaPdTe</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math> with quasi-one-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PdTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> chains. Physical Review B, 2020, 102, .	1.1	15
13	Anisotropic Transport and Quantum Oscillations in the Quasi-One-Dimensional TaNiTe₅: Evidence for the Nontrivial Band Topology. Journal of Physical Chemistry Letters, 2020, 11, 7782-7789.	2.1	21
14	Quantum oscillations and anomalous angle-dependent magnetoresistance in the topological candidate Ag3Sn. Physical Review B, 2020, 101, .	1.1	5
15	Investigation of the thermal quenching of two emission centers in Sr₉MnLi(PO₄)₇:Eu²⁺ using time-resolved technique. Physical Chemistry Chemical Physics, 2020, 22, 15632-15639.	1.3	4
16	Pressure engineering of the Dirac fermions in quasi-one-dimensional Tl₂Mo₆Se₆. Journal of Physics Condensed Matter, 2020, 32, 215402.	0.7	5
17	Bulk Fermi surface of the layered superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>TaS</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> with three-dimensional strong topological state. Physical Review B, 2020, 101, .	1.1	16
18	Weak ferromagnetic insulator with huge coercivity in monoclinic double perovskite La₂CuIrO₆. Journal of Physics Condensed Matter, 2019, 31, 435601.	0.7	6

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19	Nonsaturating Magnetoresistance and Nontrivial Band Topology of Typeâ€Ⅱ Weyl Semimetal NbIrTe 4. Advanced Electronic Materials, 2019, 5, 1900250.	2.6	19
20	Design of broadband impedance-matching Bessel lens with acoustic metamaterials. Journal of Applied Physics, 2019, 126, .	1.1	7
21	Two-gap superconductivity and topological surface states in TaOsSi. Physical Review B, 2019, 100, .	1.1	16
22	Extreme magnetoresistance and pressure-induced superconductivity in the topological semimetal candidate YBi. Physical Review B, 2019, 99, .	1.1	17
23	Predicted high-temperature superconductivity in cerium hydrides at high pressures. Journal of Applied Physics, 2019, 126, .	1.1	23
24	Superconductivity switch from spin-singlet to -triplet pairing in a topological superconducting junction. Journal of Physics Condensed Matter, 2018, 30, 225302.	0.7	5
25	Evidence of s-wave superconductivity in the noncentrosymmetric La7Ir3. Scientific Reports, 2018, 8, 651.	1.6	19
26	Non-monotonic effect of the electronic transport and magnetic properties in a Sm-doped Sr _{2â^'x} Sm _x IrO ₄ system. Europhysics Letters, 2018, 124, 17004.	0.7	6
27	Enhanced insulating behavior in the Ir-vacant Sr2Ir1â€“x O4 system dominated by the local structureÂdistortion. Journal of Synchrotron Radiation, 2018, 25, 1123-1128.	1.0	2
28	Topological Type-II Dirac Fermions Approaching the Fermi Level in a Transition Metal Dichalcogenide NiTe₂. Chemistry of Materials, 2018, 30, 4823-4830.	3.2	101
29	Kondo behavior and metamagnetic phase transition in the heavy-fermion compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="bold">CeBi</mml:mi><mml:mn mathvariant="bold">2</mml:mn></mml:msub></mml:math>. Physical Review B, 2018, 97, .	1.1	9
30	The Property of Phonon Gap in Iron-Based Superconductors FeSe, LiFeAs and SrFeAsF. Journal of Low Temperature Physics, 2017, 186, 363-371.	0.6	0
31	A critical point in Sr2-IrO4 and less distorted IrO6 octahedra induced by deep Sr-vacancies. Materials Research Bulletin, 2017, 90, 1-7.	2.7	8
32	Dynamical instability, strong anharmonicity and electron-phonon coupling in KOs2O6: First-principles calculations. AIP Advances, 2017, 7, 095221.	0.6	2
33	Topological phase transition under pressure in the topological nodal-line superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PbTaSe</mml:mi><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2017, 96, .	1.1	14
34	Correlation between non-Fermi-liquid behavior and superconductivity in (Ca, La)(Fe,Co) <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>As</mml:mi><mml:mn>2</mml:mn></mml:msub></mml: iron arsenides: A high-pressure study. Physical Review B, 2017, 96, .	1.1	7
35	Enhanced insulating state and diluted Ir 4+ spin orders in Ir-vacant Sr 2 Ir 1â^'x O 4 systems. Europhysics Letters, 2017, 120, 27007.	0.7	3
36	Large linear magnetoresistance in a transition-metal stannide Î²-RhSn4. Applied Physics Letters, 2016, 109, .	1.5	13

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37	Origin of superconductivity in the Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>WT</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> under pressure. Physical Review B, 2016, 94, .	1.1	91
38	Insulator-metal transition in deep Sr-vacant spin-orbit Mott insulator S2IrO4. Journal of Alloys and Compounds, 2016, 687, 712-719.	2.8	8
39	Synthesis, physical properties, and band structure of the layered bismuthide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PtBi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2016, 94, .	1.1	25
40	La-doping effect on spinâ€“orbit coupled Sr₂IrO₄probed by x-ray absorption spectroscopy. New Journal of Physics, 2016, 18, 093019.	1.2	18
41	Novel structural phases and superconductivity of iridium telluride under high pressures. Scientific Reports, 2014, 4, 6433.	1.6	11
42	Electron-phonon coupling enhanced by the FeSe/SrTiO3 interface. Journal of Applied Physics, 2014, 115, .	1.1	54
43	Phonon spectra and superconductivity of the BiS ₂ -based compounds LaO _{1â^'x} F _x BiS ₂. Europhysics Letters, 2013, 101, 47002.	0.7	100
44	Lattice dynamics and electron-phonon interaction in Bi/Bi 2 Te 3 (111) heteroepitaxial film. Europhysics Letters, 2013, 104, 57003.	0.7	4
45	Magnetic-enhanced electron-phonon coupling and vacancy effect in â€œ111â€•type iron pnictides from first-principle calculations. Journal of Applied Physics, 2012, 111, .	1.1	8
46	Rhodium dihydride (RhH₂) 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
47	Phonon softening induced by striped antiferromagnetic order in LiFeAs. Applied Physics Letters, 2011, 98, 072506.	1.5	15
48	First-Principles Calculations on Î²-Pyrochlore Superconductors AOs2O6 (A = K, Rb, Cs). Journal of Superconductivity and Novel Magnetism, 2010, 23, 1063-1066.	0.8	3
49	Magnetic fluctuation and frustration in new iron-based layered SrFe1â^'xCoxAsF superconductors. Journal of Applied Physics, 2010, 107, .	1.1	10
50	Peak effect and dynamic melting transitions of driven vortex system in weakly disordered Josephson junction arrays. Journal of Applied Physics, 2010, 108, 103911.	1.1	0