

Tian Shang

List of Publications by Year in descending order

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75
papers

1,495
citations

257357

24
h-index

360920

35
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75
all docs

75
docs citations

75
times ranked

1936
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of EuCd_2As_2 . Science Advances, 2019, 5, eaaw4718.	4.7	122
2	Fermi surface reconstruction and multiple quantum phase transitions in the antiferromagnet CeRhIn_5 . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 673-678.	3.3	67
3	Time-Reversal Symmetry Breaking in Re-Based Superconductors. Physical Review Letters, 2018, 121, 257002.	2.9	67
4	Recent progress on superconductors with time-reversal symmetry breaking. Journal of Physics Condensed Matter, 2021, 33, 033001.	0.7	67
5	Stretchable Spin Valve with Stable Magnetic Field Sensitivity by Ribbon-Patterned Periodic Wrinkles. ACS Nano, 2016, 10, 4403-4409.	7.3	57
6	Two-Gap Superconductivity in LaNiGa_2 . Nonunitary Triplet Pairing and Even Parity Gap Symmetry. Physical Review Letters, 2016, 117, 027001.	2.0	46
7	Effect of NiO inserted layer on spin-Hall magnetoresistance in Pt/NiO/YIG heterostructures. Applied Physics Letters, 2016, 109, 242401.	1.5	55
8	Nodeless superconductivity and time-reversal symmetry breaking in the noncentrosymmetric superconductor Re_2Te_7 . Physical Review Letters, 2016, 117, 027001.	1.1	52
9	Parent Compound BaBiO_3 . Physical Review Letters, 2016, 117, 027001.	2.9	48
10	Anomalous Hall resistivity and possible topological Hall effect in the antiferromagnet EuAl_4 . Physical Review B, 2021, 103, .	1.1	48
11	Simultaneous Nodal Superconductivity and Time-Reversal Symmetry Breaking in the Noncentrosymmetric Superconductor CaPtAs . Physical Review Letters, 2020, 124, 207001.	2.9	42
12	Unconventional Transverse Transport above and below the Magnetic Transition Temperature in Weyl Semimetal EuCd_2As_2 . Physical Review Letters, 2021, 126, 076602.	2.9	40
13	Coexistence of magnetic order and persistent spin dynamics in a quantum kagome antiferromagnet with no intersite mixing. Physical Review B, 2019, 99, .	1.1	34
14	Bulk single-crystal growth of the theoretically predicted magnetic Weyl semimetals RAlGe ($\text{R} = \text{Eu, Tb, Dy, Ho, Er, Tm, Yb, Lu}$). Physical Review Letters, 2019, 123, 076401.	0.9	31
15	Superconductivity and topological aspects of the rocksalt carbides NbC and TaC . Physical Review B, 2020, 101, .	1.1	30
16	Superconductivity and topological aspects of the rocksalt carbides NbC and TaC . Physical Review B, 2020, 101, .	1.1	30
17	Enhanced T_c and multiband superconductivity in the fully-gapped ReBe_{22} superconductor. New Journal of Physics, 2019, 21, 073034.	1.2	29
18	Nodeless superconductivity and preserved time-reversal symmetry in the noncentrosymmetric superconductor Mo_3P . Physical Review B, 2019, 99, .	1.1	28

#	ARTICLE	IF	CITATIONS
19	High-T _c superconductivity in undoped ThFeAsN. Nature Communications, 2017, 8, 156.	5.8	26
20	CaPtAs: A new noncentrosymmetric superconductor. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	26
21	$CeIrIn_5$: Superconductivity on a magnetic instability. Physical Review B, 2014, 89, .	1.1	25
22	Pure spin-Hall magnetoresistance in Rh/Y3Fe5O12 hybrid. Scientific Reports, 2015, 5, 17734.	1.6	25
23	Time-reversal symmetry breaking in the noncentrosymmetric $ZrCo_3$ superconductor. Physical Review B, 2020, 102, .	1.1	25
24	Spin order and fluctuations in the $EuAl_4$ and $EuGa_4$ topological antiferromagnets: A	1.1	25
25	Effect of epitaxial strain and lattice mismatch on magnetic and transport behaviors in metamagnetic $FeRh$ thin films. AIP Advances, 2017, 7, .	0.6	24
26	Design of magnetic spirals in layered perovskites: Extending the stability range far beyond room temperature. Science Advances, 2018, 4, eaau6386.	4.7	22
27	Distortion mode anomalies in bulk $PrNiO_3$: Illustrating the potential of symmetry-adapted distortion mode analysis for the study of phase transitions. Physical Review B, 2019, 100, .	1.1	21
28	Electric field control of magnetic properties in FeRh/PMN-PT heterostructures. AIP Advances, 2018, 8, .	0.6	19
29	Tunable interplay between d and f electrons in Co-doped iron pnictides. Physical Review B, 2013, 87, .	1.1	16
30	Crossover from a heavy fermion to intermediate valence state in noncentrosymmetric $Yb_2Ni_12(P,As)_7$. Scientific Reports, 2015, 5, 17608.	1.6	16
31	A Pnictide Insulating Phase Induced by On-Site Coulomb Interaction. Physical Review Letters, 2016, 117, 097001.	2.9	16
32	Electronic localization in CaVO3 films via bandwidth control. Npj Quantum Materials, 2019, 4, .	1.8	16
33	Extraordinary Hall resistance and unconventional magnetoresistance in Pt_1-xMn_x . Physical Review B, 2015, 92, .	1.1	14
34	Re_1-xMox as an ideal test case of time-reversal symmetry breaking in unconventional superconductors. Npj Quantum Materials, 2020, 5, .	1.8	14
35	Structure and superconductivity in the binary Re_1-xMn_x alloys. Physical Review Materials, 2019, 3, .	0.9	14
36	Giant magnetoresistance and topological Hall effect in the $EuGa_4$ antiferromagnet. Journal of Physics Condensed Matter, 2022, 34, 034005.	0.7	14

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37	Spin-triplet superconductivity in Weyl nodal-line semimetals. <i>Npj Quantum Materials</i> , 2022, 7, .	1.8	14
38	Superconductivity and structural distortion in BaPt_2As_2 . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 022202.	0.7	13
39	Laue three dimensional neutron diffraction. <i>Scientific Reports</i> , 2019, 9, 4798.	1.6	13
40	Time-Reversal Symmetry Breaking in Re-Based Superconductors: Recent Developments. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	13
41	NbReSi: A noncentrosymmetric superconductor with large upper critical field. <i>Physical Review Materials</i> , 2021, 5, .	0.9	11
42	Local moment ferromagnetism in $\text{CeRu}_2\text{Ga}_2\text{B}$. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 185702.	0.7	10
43	Multiferroic phase diagram of $\text{E}-\text{type } \text{MnO}$ films studied by neutron and x-ray diffraction. <i>Physical Review B</i> , 2018, 98, .	1.1	10
44	Crossover from multiple- to single-gap superconductivity in $\text{Nb}_5\text{Ir}_3\text{Pt}_x\text{O}$ alloys. <i>Physical Review B</i> , 2020, 101, .	1.1	10
45	Multigap superconductivity in the Mo_5P_2 boron-phosphorus compound. <i>New Journal of Physics</i> , 2020, 22, 093016.	1.2	10
46	Magnetic phase diagram of Ca-substituted $\text{Eu}_x\text{Fe}_{1-x}$. <i>Physical Review B</i> , 2018, 98, .	1.1	9
47	Development of magnetism in the solid solution of $\text{Ce}_x\text{U}_{1-x}$: From magnetic topology to spin glass. <i>Physical Review B</i> , 2020, 101, .	1.1	9
48	Pressure effects on the electronic properties of the undoped superconductor ThFeAsN . <i>Physical Review B</i> , 2018, 97, .	1.1	8
49	Nodeless superconductivity in the noncentrosymmetric Mo_3N superconductor: A SR study. <i>Physical Review B</i> , 2018, 98, .	1.1	8
50	Multigap superconductivity in centrosymmetric and noncentrosymmetric rhenium-boron superconductors. <i>Physical Review B</i> , 2021, 103, .	1.1	8
51	Multiple mobile excitons manifested as sidebands in quasi-one-dimensional metallic TaSe_3 . <i>Nature Materials</i> , 2022, 21, 423-429.	13.3	8
52	Tunable magnetic orders in $\text{CePd}_2\text{As}_2\text{P}$. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 045601.	0.7	7
53	Structural order and magnetic correlations driven by oxygen doping in $\text{N}_x\text{Ni}_2\text{O}_4$. <i>Physical Review B</i> , 2018, 98, .	1.1	7

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55	Effect of IrMn inserted layer on anomalous-Hall resistance and spin-Hall magnetoresistance in Pt/IrMn/YIG heterostructures. Journal of Applied Physics, 2016, 120, .	1.1	6
56	Nodeless superconductivity in the cage-type superconductor $\text{Sc}_5\text{Ru}_6\text{Sn}_{18}$ with preserved time-reversal symmetry. Journal of Physics Condensed Matter, 2018, 30, 315803.	0.7	6
57	Spontaneous magnetization in unitary superconductors with time reversal symmetry breaking. Physical Review B, 2021, 104, .	1.1	6
58	Ising-type Magnetic Anisotropy in CePd_2As_2 . Scientific Reports, 2017, 7, 7338.	1.6	5
59	Multiphase competition in the quantum XY pyrochlore antiferromagnet CdYb_2Mn_2 : Zero and applied magnetic field study. Physical Review B, 2019, 100, .		
60	Unusual NMR shift in the Weyl-fermion systems LaAlGe and PrAlGe . Physical Review B, 2020, 102, .	1.1	5
61	Strong- to weak-coupling superconductivity in high- T_c CePtA_4G bismuthates: Revisiting the phase diagram via $\hat{I}^{3/4}\text{SR}$	1.1	4
62	Facile synthesis of \hat{I} - Bi_2O_3 particles/rod-like Bi_4O_7 composite with enhanced visible light-driven photocatalytic performance. Journal of Materials Science: Materials in Electronics, 2022, 33, 4681-4693.	1.1	4
63	Robust magnetic order of Ce 4f-electrons coexisting with superconductivity in $\text{CeFeAsO}_{1-x}\text{F}_x$. Journal of the Korean Physical Society, 2013, 62, 2001-2003.	0.3	2
64	Recent developments on the magnetic and electrical transport properties of FeRh- and Rh-based heterostructures. Journal of Physics Condensed Matter, 2022, 34, 144004.	0.7	2
65	s-wave superconductivity in the noncentrosymmetric $\text{W}_3\text{Al}_2\text{C}$ superconductor: an NMR study. Journal of Physics Condensed Matter, 2022, 34, 194005.	0.7	2
66	Weak ferromagnetism linked to the high-temperature spiral phase of YBaCuFeO_{1-x} . Physical Review Research, 2022, 4, .		
67	Anisotropic in-plane resistivity and magnetoresistance of the detwinned BaFe_2As_2 . Journal of the Korean Physical Society, 2013, 63, 453-455.	0.3	1
68	Structure and Magnetic Properties of $\text{Ce}_3(\text{Ni/Al/Ga})_{11}$ A New Phase with the $\text{La}_3\text{Al}_{11}$ Structure Type. Crystals, 2015, 5, 1-8.	1.0	1
69	Room-temperature structural phase transition in the quasi-2D spin-Heisenberg antiferromagnet $\text{Sr}_2\text{VO}_2\text{F}_2$		
70			

#	ARTICLE	IF	CITATIONS
73	Fully gapped superconducting state in interstitial-carbon-doped $\text{Zr}_{5-x}\text{Pt}_3\text{C}_x$. Physical Review B, 2022, 106, .	1.1	1
74	Magnetocrystalline anisotropic effect in $\text{GdCo}_{1-x}\text{Fe}_x\text{AsO}$ ($x=0,0.05$). Physical Review B, 2015, 91, .	1.1	0
75	Superconductivity of MoBe and WBe at ambient- and under applied-pressure conditions. Physical Review Materials, 2022, 6, .	0.9	0