

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
g-index

75
all docs

75
docs citations

75
times ranked

1936
citing authors

#	ARTICLE	IF	CITATIONS
19	Recent progress on superconductors with time-reversal symmetry breaking. Journal of Physics Condensed Matter, 2021, 33, 033001.	0.7	67
20	NbReSi: A noncentrosymmetric superconductor with large upper critical field. Physical Review Materials, 2021, 5, .	0.9	11
21	Time-reversal symmetry breaking in the noncentrosymmetric ZrTe_3 superconductor. Physical Review B, 2020, 102, .	1.1	25
22	$\text{ReLa}_2\text{Mo}_2\text{O}_{10}$ as an ideal test case of time-reversal symmetry breaking in unconventional superconductors. Npj Quantum Materials, 2020, 5, .	1.8	14
23	Simultaneous Nodal Superconductivity and Time-Reversal Symmetry Breaking in the Noncentrosymmetric Superconductor CaPtAs . Physical Review Letters, 2020, 124, 207001. Magnetic structure and crystalline electric field effects in the triangular antiferromagnet	2.9	42
24	$\text{CePtA}_4\text{G}_2\text{e}$ superconductivity and topological aspects of the rocksalt carbides NbC and TaC. Physical Review B, 2020, 101, .	1.1	4
25	Development of magnetism in the solid solution of $\text{CePtA}_{1-x}\text{Ta}_x$: From magnetic topology to spin glass. Physical Review B, 2020, 101, .	1.1	30
26	CaPtAs: A new noncentrosymmetric superconductor. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	26
27	Strong- to weak-coupling superconductivity in high- T_c bismuthates: Revisiting the phase diagram via SrBi_4 Physical Review B, 2020, 101, .	1.1	4
28	Crossover from multiple- to single-gap superconductivity in $\text{Nb}_5\text{Ir}_3\text{Pt}_x\text{O}$ alloys. Physical Review B, 2020, 101, .	1.1	10
29	Multigap superconductivity in the Mo_5PB_2 boron phosphorus compound. New Journal of Physics, 2020, 22, 093016.	1.2	10
30	Unusual Al_2O_3 NMR shift in the Weyl-fermion systems LaAlGe and PrAlGe . Physical Review B, 2020, 102, .	1.1	5
31	Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of EuCd_2As_2 . Science Advances, 2019, 5, eaaw4718.	4.7	122
32	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
33	Enhanced T_c and multiband superconductivity in the fully-gapped ReBe_{22} superconductor. New Journal of Physics, 2019, 21, 073034.	1.2	29
34	Multiphase competition in the quantum XY pyrochlore antiferromagnet $\text{CdYb}_2\text{P}_2\text{O}_{14}$: Zero and applied magnetic field study. Physical Review B, 2019, 100, .	1.1	15
35	Nodeless superconductivity and preserved time-reversal symmetry in the noncentrosymmetric Mo_5P_3 superconductor. Physical Review B, 2019, 99, .	1.1	28

#	ARTICLE	IF	CITATIONS
37	Laue three dimensional neutron diffraction. Scientific Reports, 2019, 9, 4798.	1.6	13
38	Electronic localization in CaVO3 films via bandwidth control. Npj Quantum Materials, 2019, 4, .	1.8	16
39	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
40	Bulk single-crystal growth of the theoretically predicted magnetic Weyl semimetals RAlGe ($\text{R} = \text{Th, U, Pu, Np, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu}$)	0.6	31
41	Structure and superconductivity in the binary $\text{Re}_x\text{Mg}_{1-x}$ alloys. Physical Review Materials, 2019, 3, .	0.9	11
42	Room-temperature structural phase transition in the quasi-2D spin-1/2 Heisenberg antiferromagnet Sr_2VO_4		

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55	Ising-type Magnetic Anisotropy in CePd ₂ As ₂ . Scientific Reports, 2017, 7, 7338.	1.6	5
56	Effect of NiO inserted layer on spin-Hall magnetoresistance in Pt/NiO/YIG heterostructures. Applied Physics Letters, 2016, 109, .	1.5	55
57	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
58	Stretchable Spin Valve with Stable Magnetic Field Sensitivity by Ribbon-Patterned Periodic Wrinkles. ACS Nano, 2016, 10, 4403-4409.	7.3	57
59	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{NaFe} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.56 \langle \text{mml:mn} \rangle$ A Prictide Insulating Phase Induced by On-Site Coulomb Interaction. Physical Review Letters, 2016, 117, 027001.	2.9	16
60	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{T} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{C} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle$ Momentum-Resolved Electronic Structure of the High-T _c Parent Compound. Physical Review Letters, 2016, 117, 037002.	2.9	48
61	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{BaBiO} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle$ Two-Gap Superconductivity in LaNiGa. Physical Review Letters, 2016, 117, 027001.	2.9	6
62	Magnetocrystalline anisotropic effect in GdCo _{1-x} FexAsO (x=0,0.05). Physical Review B, 2015, 91, .	1.1	0
63	Extraordinary Hall resistance and unconventional magnetoresistance in Pt _{1-x} Bi _x . Physical Review B, 2015, 92, .	1.1	1
64	Pure spin-Hall magnetoresistance in Rh/Y ₃ Fe ₅ O ₁₂ hybrid. Scientific Reports, 2015, 5, 17734.	1.6	25
65	Crossover from a heavy fermion to intermediate valence state in noncentrosymmetric Yb ₂ Ni ₁₂ (P,As) ₇ . Scientific Reports, 2015, 5, 17608.	1.6	16
66	Structure and Magnetic Properties of Ce ₃ (Ni/Al/Ga) ₁₁ A New Phase with the La ₃ Al ₁₁ Structure Type. Crystals, 2015, 5, 1-8.	1.0	1
67	Superconductivity and structural distortion in BaPt ₂ As ₂ . Journal of Physics Condensed Matter, 2015, 27, 022202.	0.7	13
68	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
69	CeIrIn ₅ : Superconductivity on a magnetic instability. Physical Review B, 2014, 89, .	1.1	25
70	Tunable magnetic orders in CePd ₂ As ₂ P<sub>i>x</i>. Journal of Physics Condensed Matter, 2014, 26, 045601.	0.7	7
71	Robust magnetic order of Ce 4f-electrons coexisting with superconductivity in CeFeAsO _{1-x} F _x . Journal of the Korean Physical Society, 2013, 62, 2001-2003.	0.3	2
72	Anisotropic in-plane resistivity and magnetoresistance of the detwinned BaFe ₂ As ₂ . Journal of the Korean Physical Society, 2013, 63, 453-455.	0.3	1

