

Takeshi Kondo

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

4,619
citations

159585

30
h-index

133252

59
g-index

64
all docs

64
docs citations

64
times ranked

4706
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of topological superconductivity on the surface of an iron-based superconductor. Science, 2018, 360, 182-186.	12.6	500
2	Evidence for magnetic Weyl fermions in a correlated metal. Nature Materials, 2017, 16, 1090-1095.	27.5	450
3	Charge-density-wave origin of cuprate checkerboard visualized by scanning tunnelling microscopy. Nature Physics, 2008, 4, 696-699.	16.7	321
4	Momentum Dependence of the Superconducting Gap in $\text{NdFeAsO}_{0.9}$ Single Crystals Measured by Angle Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 101, 147003.	16.7	239
5	Evidence for a Lifshitz transition in electron-doped iron arsenic superconductors at the onset of superconductivity. Nature Physics, 2010, 6, 419-423.	16.7	237
6	Competition between the pseudogap and superconductivity in the high-Tc copper oxides. Nature, 2009, 457, 296-300.	27.8	231
7	Imaging the two gaps of the high-temperature superconductor $\text{Bi}_2\text{Sr}_2\text{CuO}_{6+x}$. Nature Physics, 2007, 3, 802-806.	16.7	193
8	Evidence for Two Energy Scales in the Superconducting State of Optimally Doped $(\text{Bi,Pb})_2(\text{Sr,L a})_2\text{CuO}_{6+\delta}$. Physical Review Letters, 2007, 98, 267004.	7.8	174
9	Multiple topological states in iron-based superconductors. Nature Physics, 2019, 15, 41-47.	16.7	170
10	Disentangling Cooper-pair formation above the transition temperature from the pseudogap state in the cuprates. Nature Physics, 2011, 7, 21-25.	16.7	169
11	Discovery of a new type of topological Weyl fermion semimetal state in $\text{Mo}_x\text{W}_{1-x}\text{Te}_2$. Nature Communications, 2016, 7, 13643.	12.8	163
12	A weak topological insulator state in quasi-one-dimensional bismuth iodide. Nature, 2019, 566, 518-522.	27.8	119
13	Spin texture in type-II Weyl semimetal WTe_2 . Physical Review B, 2016, 94, .	12.8	98
14	Spin Polarization and Texture of the Fermi Arcs in the Weyl Fermion Semimetal TaAs. Physical Review Letters, 2016, 116, 096801.	7.8	102
15	Signatures of a time-reversal symmetric Weyl semimetal with only four Weyl points. Nature Communications, 2017, 8, 942.	12.8	98
16	Evidence for a higher-order topological insulator in a three-dimensional material built from van der Waals stacking of bismuth-halide chains. Nature Materials, 2021, 20, 473-479.	27.5	98
17	A new Majorana platform in an Fe-As bilayer superconductor. Nature Communications, 2020, 11, 5688.	12.8	84
18	Point nodes persisting far beyond Tc in $\text{Bi}_2\text{212}$. Nature Communications, 2015, 6, 7699.	12.8	82

#	ARTICLE	IF	CITATIONS
19	Imaging nanoscale Fermi-surface variations in an inhomogeneous superconductor. Nature Physics, 2009, 5, 213-216.	16.7	81
20	Unexpected Fermi-surface nesting in the pnictide parent compounds BaFe_2As_2 and CaFe_2As_2 . Physical Review B, 2010, 81, .	3.2	76
21	Radial Spin Texture in Elemental Tellurium with Chiral Crystal Structure. Physical Review Letters, 2020, 124, 136404.	7.8	76
22	Formation of Gapless Fermi Arcs and Fingerprints of Order in the Pseudogap State of Cuprate Superconductors. Physical Review Letters, 2013, 111, 157003.	7.8	70
23	Visualization of the strain-induced topological phase transition in a quasi-one-dimensional superconductor TaSe ₃ . Nature Materials, 2021, 20, 1093-1099.	27.5	57
24	Incoherent transport across the strange-metal regime of overdoped cuprates. Nature, 2021, 595, 661-666.	27.8	57
25	Contribution of electronic structure to thermoelectric power in $(\text{Bi,Pb})_2(\text{Sr,L a})_2\text{CuO}_6+\hat{\Gamma}$. Physical Review B, 2005, 72, .	3.2	52
26	Experimental Determination of the Topological Phase Diagram in Cerium Monopnictides. Physical Review Letters, 2018, 120, 086402.	7.8	50
27	Reduced Hall carrier density in the overdoped strange metal regime of cuprate superconductors. Nature Physics, 2021, 17, 826-831.	16.7	48
28	Observation and control of the weak topological insulator state in ZrTe ₅ . Nature Communications, 2021, 12, 406.	12.8	43
29	Pairing, pseudogap and Fermi arcs in cuprates. Philosophical Magazine, 2015, 95, 453-466.	1.6	33
30	Direct mapping of spin and orbital entangled wave functions under interband spin-orbit coupling of giant Rashba spin-split surface states. Physical Review B, 2017, 95, .	3.2	33
31	Coherent control over three-dimensional spin polarization for the spin-orbit coupled surface state of Bi_2Te_3 . Physical Review B, 2016, 94, .	3.2	30
32	Angle-resolved photoemission spectroscopy. Nature Reviews Methods Primers, 2022, 2, .	21.2	29
33	Visualization of the interplay between high-temperature superconductivity, the pseudogap and impurity resonances. Nature Physics, 2008, 4, 108-111.	16.7	26
34	Bulk quantum Hall effect of spin-valley coupled Dirac fermions in the polar antiferromagnet BaMnSb_2 . Physical Review B, 2020, 101, .	3.2	26
35	Observation of small Fermi pockets protected by clean CuO_2 sheets of a high- T_c superconductor. Science, 2020, 369, 833-838.	12.6	25
36	Itinerant ferromagnetism mediated by giant spin polarization of the metallic ligand band in the van der Waals magnet Fe_3S_5 . Physical Review B, 2021, 103, .	3.2	22

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37	Anomalous Doping Variation of the Nodal Low-Energy Feature of Superconducting $\text{Bi}_{2-x}\text{Pb}_x\text{Sr}_{1-x}\text{La}_x\text{CuO}_6$. Physical Review B, 2006, 74, .	7.8	21
38	Electrical resistivity and scattering processes in $(\text{Bi,Pb})_2(\text{Sr,L a})_2\text{CuO}_6$ studied by angle-resolved photoemission spectroscopy. Physical Review B, 2006, 74, .	3.2	20
39	Dual Character of the Electronic Structure of $\text{YBa}_2\text{Cu}_4\text{O}_8$: The Conduction Bands of CuO_2 Planes and CuO Chains. Physical Review Letters, 2007, 98, 157002.	7.8	17
40	Antiferroic electronic structure in the nonmagnetic superconducting state of the iron-based superconductors. Science Advances, 2017, 3, e1700466.	10.3	17
41	Phase Transitions of MnO Under Static Compression.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 148-150.	0.0	16
42	Large anomalous Hall effect induced by weak ferromagnetism in the noncentrosymmetric antiferromagnet CoNb_3S_6 . Physical Review B, 2022, 105, .	3.2	16
43	Anomalies in the Fermi Surface and Band Dispersion of Quasi-One-Dimensional CuO Chains in the High-Temperature Superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$. Physical Review Letters, 2010, 105, 267003.	7.8	15
44	Band structure of overdoped cuprate superconductors: Density functional theory matching experiments. Physical Review B, 2019, 99, .	3.2	15
45	Direct observation of a Fermi surface and superconducting gap in LuNi_2P_2 . Physical Review B, 2008, 77, .	3.2	14
46	Zero-field superfluid density in a d -wave superconductor evaluated from muon-spin-rotation experiments in the vortex state. Physical Review B, 2009, 79, .	3.2	14
47	Anomalous asymmetry in the Fermi surface of the high-temperature superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$ revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2009, 80, .	3.2	14
48	Suppression of the antinodal coherence of superconducting $(\text{Bi,Pb})_2(\text{Sr,L a})_2\text{CuO}_6$ as revealed by muon spin rotation and angle-resolved photoemission. Physical Review B, 2010, 82, .	3.2	13
49	Density Wave Probes Cuprate Quantum Phase Transition. Physical Review X, 2019, 9, .	8.9	11
50	Origins of large critical temperature variations in single-layer cuprates. Physical Review B, 2008, 78, .	3.2	10
51	Multipole polaron in the devil's staircase of CeSb . Nature Materials, 2022, 21, 410-415.	27.5	9
52	Low-energy electron-mode couplings in the surface bands of $\text{Sr}_2\text{Fe}_2\text{As}_2$ revealed by laser-based angle-resolved photoemission spectroscopy. Physical Review B, 2019, 99, .	3.2	9
53	Evidence of a universal relation between electron-mode coupling and T_c in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ superconductor from laser angle-resolved photoemission spectroscopy. Physical Review B, 2014, 90, .	3.2	5
54	Experimental Methods for Spin- and Angle-Resolved Photoemission Spectroscopy Combined with Polarization-Variable Laser. Journal of Visualized Experiments, 2018, .	0.3	5

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55	Carrier Concentration Dependence of Superconducting Gap of Bi ₂ (Sr _{1-x} La _x) ₂ CuO _{6+δ} . Journal of the Physical Society of Japan, 2016, 85, 104710.	1.6	4
56	High pressure in situ X-ray diffraction study of MnO to 137 GPa and comparison with shock compression experiment. , 1998, , .		3
57	Anomalous vortex liquid in charge-ordered cuprate superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2016275118.	7.1	3
58	Selective observation of surface and bulk bands in polar WTe ₂ by laser-based spin- and angle-resolved photoemission spectroscopy. Physical Review B, 2022, 105, .	3.2	0
59	Isothermal compression curve of Al ₂ SiO ₅ kyanite. Geophysical Monograph Series, 1998, , 281-286.	0.1	1
60	Scaling law for Rashba-type spin splitting in quantum-well films. Physical Review B, 2021, 104, .	3.2	1
61	Superfluid Density and Angular Dependence of the Energy Gap in Optimally Doped (BiPb) ₂ (SrLa) ₂ CuO _{6+δ} . Journal of Superconductivity and Novel Magnetism, 2009, 22, 189-193.	1.8	0
62	Visualization of optical polarization transfer to photoelectron spin vector emitted from a spin-orbit coupled surface state. Physical Review B, 2022, 105, .	3.2	0