

# Kenta Kuroda

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,395  
citations

331259

21  
h-index

329751

37  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple topological states in iron-based superconductors. Nature Physics, 2019, 15, 41-47.	6.5	170
2	Experimental evidence of hourglass fermion in the candidate nonsymmorphic topological insulator K <sub>2</sub> HgSb. Science Advances, 2017, 3, e1602415.	4.7	121
3	Spin texture in type-II Weyl semimetal $\text{WTe}_2$ . Physical Review B, 2016, 94, .		
4	Spin Polarization and Texture of the Fermi Arcs in the Weyl Fermion Semimetal TaAs. Physical Review Letters, 2016, 116, 096801.	2.9	102
5	Efficient spin resolved spectroscopy observation machine at Hiroshima Synchrotron Radiation Center. Review of Scientific Instruments, 2011, 82, 103302.	0.6	101
6	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.	13.3	98
7	High-resolution three-dimensional spin- and angle-resolved photoelectron spectrometer using vacuum ultraviolet laser light. Review of Scientific Instruments, 2016, 87, 053111.	0.6	69
8	Ultrafast electron dynamics at the Dirac node of the topological insulator Sb <sub>2</sub> Te <sub>3</sub> . Scientific Reports, 2015, 5, 13213.	1.6	60
9	Visualization of the strain-induced topological phase transition in a quasi-one-dimensional superconductor TaSe <sub>3</sub> . Nature Materials, 2021, 20, 1093-1099.	13.3	57
10	Experimental Determination of the Topological Phase Diagram in Cerium Monopnictides. Physical Review Letters, 2018, 120, 086402.	2.9	50
11	Observation and control of the weak topological insulator state in ZrTe <sub>5</sub> . Nature Communications, 2021, 12, 406.	5.8	43
12	Experimental Evidence of Hidden Topological Surface States in $\text{PbBi}_4$ . Physical Review Letters, 2013, 111, 206803.	2.9	39
13	Ultrafast energy- and momentum-resolved surface Dirac photocurrents in the topological insulator $\text{Sb}_2\text{Te}_3$ . Physical Review B, 2017, 95, .	1.1	36
14	Spin-dependent quantum interference in photoemission process from spin-orbit coupled states. Nature Communications, 2017, 8, 14588.	5.8	34
15	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, .	1.1	33
16	Coherent control over three-dimensional spin polarization for the spin-orbit coupled surface state of $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2016, 94, .	1.1	30
17	Three-dimensional electronic structure in ferromagnetic Fe <sub>3</sub> Sn <sub>2</sub> with breathing kagome bilayers. Physical Review B, 2020, 101, .	1.1	26
18	Observation of small Fermi pockets protected by clean CuO sheets of a high- <i>T<sub>c</sub></i> superconductor. Science, 2020, 369, 833-838.	6.0	25

#	ARTICLE	IF	CITATIONS
19	Experimental verification of the surface termination in the topological insulator TlBiSe <sub>2</sub> using core-level photoelectron spectroscopy and scanning tunneling microscopy. Physical Review B, 2013, 88, .	1.1	24
20	Rashba spin splitting of $L$ -gap surface states on Ag(111) and Cu(111). Physical Review B, 2018, 98, .	1.1	24
21	Devil's staircase transition of the electronic structures in CeSb. Nature Communications, 2020, 11, 2888.	5.8	21
22	Tunable spin current due to bulk insulating property in the topological insulator $Tl_{1-x}Bi_xSe_2$ . Physical Review B, 2015, 91, .	1.1	20
23	Large anomalous Hall effect induced by weak ferromagnetism in the noncentrosymmetric antiferromagnet $CoNb_3S_6$ . Physical Review B, 2022, 105, .	1.1	16
24	Coexistence of Two Types of Spin Splitting Originating from Different Symmetries. Physical Review Letters, 2019, 122, 126403.	2.9	14
25	Fully spin-polarized bulk states in ferroelectric GeTe. Physical Review Research, 2020, 2, .	1.3	13
26	Spatial Control of Charge Doping in n-Type Topological Insulators. Nano Letters, 2021, 21, 4415-4422.	4.5	9
27	Multipole polaron in the devil's staircase of CeSb. Nature Materials, 2022, 21, 410-415.	13.3	9
28	Origins of Thermal Spin Depolarization in Half-Metallic Ferromagnet $CrO_2$ . Physical Review Letters, 2018, 121, 257201.	2.9	8
29	Calculation of spin states of photoelectrons emitted from spin-polarized surface states of Bi(111) surfaces with a mirror symmetry. Physical Review B, 2017, 95, .	1.1	7
30	Peculiar Rashba spin texture induced by $C_{3v}$ symmetry on the Bi(111) surface revisited. Physical Review B, 2018, 97, .	1.1	6
31	Low-energy electron-mode couplings in the surface bands of $Sr_2Cr_2O_7$ revealed by laser-based angle-resolved photoemission spectroscopy. Physical Review B, 2019, 99, .	1.1	6
32	Experimental Methods for Spin- and Angle-Resolved Photoemission Spectroscopy Combined with Polarization-Variable Laser. Journal of Visualized Experiments, 2018, , .	0.2	5
33	Experimental verification of a temperature-induced topological phase transition in $TlBiS_2$ and $TlBiTe_2$ . Physical Review B, 2020, 102, .	1.1	5
34	Optically detecting the edge-state of a three-dimensional topological insulator under ambient conditions by ultrafast infrared photoluminescence spectroscopy. Scientific Reports, 2015, 5, 16443.	1.6	4
35	Topological Surface State of $Bi_2Se_3$ Modified by Adsorption of Organic Donor Molecule Tetrathianaphthalene. Advanced Materials Interfaces, 2020, 7, 2000524.	1.9	2
36	Giant Rashba system on a semiconductor substrate with tunable Fermi level: $Bi/CaSb(110)$ . Physical Review Materials, 2019, 3, .	0.9	2

#	ARTICLE	IF	CITATIONS
37	Selective observation of surface and bulk bands in polar $\text{WTe}_2$ by laser-based spin- and angle-resolved photoemission spectroscopy. Physical Review B, 2022, 105, .		
38	Scaling law for Rashba-type spin splitting in quantum-well films. Physical Review B, 2021, 104, .	1.1	1
39	Ultrafast Surface Transport Measurement of the Topological Surface State in $\text{Sb}_2\text{Te}_3$ by Using Time-Resolved Two-Photon Photoemission with Mid-Infrared Laser Pulses. Hyomen Kagaku, 2017, 38, 400-405.	0.0	0
40	Photogalvanic Effect in Topological Insulator Surface States Investigated by Time-resolved Two Photon Photoemission Spectroscopy. Vacuum and Surface Science, 2018, 61, 302-308.	0.0	0
41	Visualization of optical polarization transfer to photoelectron spin vector emitted from a spin-orbit coupled surface state. Physical Review B, 2022, 105, .	1.1	0