

Shik Shin

List of Publications by Year in descending order

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194
papers

7,661
citations

46918

47
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62479

80
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197
all docs

197
docs citations

197
times ranked

7890
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of topological superconductivity on the surface of an iron-based superconductor. Science, 2018, 360, 182-186.	6.0	500
2	Evidence for magnetic Weyl fermions in a correlated metal. Nature Materials, 2017, 16, 1090-1095.	13.3	450
3	Fermi Surface Sheet-Dependent Superconductivity in 2H-NbSe ₂ . Science, 2001, 294, 2518-2520.	6.0	328
4	Octet-Line Node Structure of Superconducting Order Parameter in KFe ₂ As ₂ . Science, 2012, 337, 1314-1317.	6.0	215
5	Charge-order-maximized momentum-dependent superconductivity. Nature Physics, 2007, 3, 720-725.	6.5	181
6	Multiple topological states in iron-based superconductors. Nature Physics, 2019, 15, 41-47.	6.5	170
7	Discovery of a new type of topological Weyl fermion semimetal state in Mo _x W _{1-x} Te ₂ . Nature Communications, 2016, 7, 13643.	5.8	163
8	Orbital-Dependent Modifications of Electronic Structure across the Magnetostructural Transition in BaFe ₂ As ₂ . Physical Review Letters, 2010, 104, 057002.	2.9	162
9	Photoemission and Bremsstrahlung Isochromat Spectroscopy Studies of TiO ₂ (Rutile) and SrTiO ₃ . Journal of the Physical Society of Japan, 1994, 63, 347-357.	0.7	146
10	A versatile system for ultrahigh resolution, low temperature, and polarization dependent Laser-angle-resolved photoemission spectroscopy. Review of Scientific Instruments, 2008, 79, 023106.	0.6	132
11	Orbital-Independent Superconducting Gaps in Iron Pnictides. Science, 2011, 332, 564-567.	6.0	131
12	Experimental evidence of hourglass fermion in the candidate nonsymmorphic topological insulator KHgSb. Science Advances, 2017, 3, e1602415.	4.7	121
13	A weak topological insulator state in quasi-one-dimensional bismuth iodide. Nature, 2019, 566, 518-522.	13.7	119
14	New soft X-ray beamline BL07LSU at SPring-8. Journal of Synchrotron Radiation, 2014, 21, 352-365.	1.0	110
15	Strong Valence Fluctuation in the Quantum Critical Heavy Fermion Superconductor YbAl ₄ . A Hard X-Ray Photoemission Study. Physical Review Letters, 2010, 104, 247201.	2.9	104
16	Spin texture in type-II Weyl semimetal WTe ₂ . Physical Review B, 2016, 94, .	11.1	103
17	Spin Polarization and Texture of the Fermi Arcs in the Weyl Fermion Semimetal TaAs. Physical Review Letters, 2016, 116, 096801.	2.9	102
18	Signatures of a time-reversal symmetric Weyl semimetal with only four Weyl points. Nature Communications, 2017, 8, 942.	5.8	98

#	ARTICLE	IF	CITATIONS
19	Evidence for a higher-order topological insulator in a three-dimensional material built from van der Waals stacking of bismuth-halide chains. <i>Nature Materials</i> , 2021, 20, 473-479.	13.3	98
20	Development of hard X-ray photoelectron spectroscopy at BL29XU in SPring-8. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 547, 50-55.	0.7	90
21	Superconductivity in an electron band just above the Fermi level: possible route to BCS-BEC superconductivity. <i>Scientific Reports</i> , 2014, 4, 4109.	1.6	85
22	A new Majorana platform in an Fe-As bilayer superconductor. <i>Nature Communications</i> , 2020, 11, 5688.	5.8	84
23	Valence Transition of YbInCu ₄ Observed in Hard X-Ray Photoemission Spectra. <i>Physical Review Letters</i> , 2004, 93, 246404.	2.9	83
24	Point nodes persisting far beyond T _c in Bi2212. <i>Nature Communications</i> , 2015, 6, 7699.	5.8	82
25	Optical characterization of porous silicon by synchrotron radiation reflectance spectra analyses. <i>Applied Physics Letters</i> , 1993, 63, 2774-2776.	1.5	76
26	Radial Spin Texture in Elemental Tellurium with Chiral Crystal Structure. <i>Physical Review Letters</i> , 2020, 124, 136404.	2.9	76
27	Photo-induced semimetallic states realised in electron-hole coupled insulators. <i>Nature Communications</i> , 2018, 9, 4322.	5.8	74
28	Ultrahigh-Resolution Photoemission Spectroscopy of Ni Borocarbides: Direct Observation of the Superconducting Gap and a Change in Gap Anisotropy by Impurity. <i>Physical Review Letters</i> , 2000, 85, 4952-4955.	2.9	70
29	Absolute Band Mapping by Combined Angle-Dependent Very-Low-Energy Electron Diffraction and Photoemission: Application to Cu. <i>Physical Review Letters</i> , 1998, 81, 4943-4946.	2.9	69
30	High-resolution three-dimensional spin- and angle-resolved photoelectron spectrometer using vacuum ultraviolet laser light. <i>Review of Scientific Instruments</i> , 2016, 87, 053111.	0.6	69
31	Photoemission Spectroscopy of the Strong-Coupling Superconducting Transitions in Lead and Niobium. <i>Physical Review Letters</i> , 2000, 85, 1966-1969.	2.9	67
32	Signature of hidden order and evidence for periodicity modification in URu_2Si_2 . <i>Physical Review B</i> , 2010, 82, .	1.1	67
33	Carbon-substitution dependent multiple superconducting gap of MgB ₂ : A sub-meV resolution photoemission study. <i>Physical Review B</i> , 2005, 72, .	1.1	66
34	Observing hot carrier distribution in an n-type epitaxial graphene on a SiC substrate. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	65
35	Time-resolved photoemission apparatus achieving sub-20-meV energy resolution and high stability. <i>Review of Scientific Instruments</i> , 2014, 85, 123904.	0.6	62
36	Role of charge-density-wave fluctuations on the spectral function in a metallic charge-density-wave system. <i>Physical Review B</i> , 2005, 71, .	1.1	61

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37	Ultrafast electron dynamics at the Dirac node of the topological insulator Sb ₂ Te ₃ . Scientific Reports, 2015, 5, 13213.	1.6	60
38	Visualization of the strain-induced topological phase transition in a quasi-one-dimensional superconductor TaSe ₃ . Nature Materials, 2021, 20, 1093-1099.	13.3	57
39	Unconventional Superconductivity in the $\text{FeTe}_{1-x}\text{Se}_x$ System. Physical Review Letters, 2014, 112, 136802.	1.1	56
40	Superconducting gap anisotropy sensitive to nematic domains in FeSe. Nature Communications, 2018, 9, 282.	5.8	56
41	BiS ₂ -Based Layered Superconductor. Physical Review Letters, 2014, 112, 167002.	2.9	55
42	Femtosecond-core-level photoemission spectroscopy on NdO ₂ -TaS ₂ . Physical Review Letters, 2014, 112, 136802.	1.1	53
43	Robust Protection from Backscattering in the Topological Insulator Bi_2Te_3 using a 60-eV X-ray. Physical Review Letters, 2014, 112, 136802.	2.9	53
44	Contribution of electronic structure to thermoelectric power in $(\text{Bi,Pb})_2(\text{Sr,L a})_2\text{CuO}_6+\delta$. Physical Review B, 2005, 72, .	1.1	52
45	Resonant Soft X-ray Emission Study of Rutile (TiO ₂). Journal of the Physical Society of Japan, 1996, 65, 312-317.	0.7	50
46	Experimental Determination of the Topological Phase Diagram in Cerium Monopnictides. Physical Review Letters, 2018, 120, 086402.	2.9	50
47	Magnetic topological insulator MnBi with a zero-field ferromagnetic state and gapped Dirac surface states. Physical Review B, 2020, 102, .	1.1	50
48	High performance slit-less spectrometer for soft x-ray emission spectroscopy. Review of Scientific Instruments, 2006, 77, 063107.	0.6	47
49	Existence of Orbital Order and its Fluctuation in Superconducting BaFe_2As_2 . Physical Review Letters, 2010, 105, 167002.	1.1	46
50	Manganese concentration and low-temperature annealing dependence of Ga _{1-x} Mn _x As by x-ray absorption spectroscopy. Physical Review B, 2002, 65, .	1.1	45
51	Ultraviolet laser photoemission spectroscopy of FeSi: Observation of a gap opening in density of states. Physical Review B, 2005, 72, .	1.1	45
52	Vacuum Ultraviolet Reflectance Spectra and Band Structures of Pyrites (FeS ₂ , CoS ₂ and NiS ₂) and NiO Measured with Synchrotron Radiation. Journal of the Physical Society of Japan, 1983, 52, 1848-1856.	0.7	43
53	Low-Temperature and High-Energy-Resolution Laser Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2015, 84, 072001.	0.7	43
54	Observation and control of the weak topological insulator state in ZrTe ₅ . Nature Communications, 2021, 12, 406.	5.8	43

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55	DESIGN OF A FLAT FIELD SPECTROMETER FOR SOFT X-RAY EMISSION SPECTROSCOPY. Surface Review and Letters, 2002, 09, 503-508.	0.5	41
56	Final State Interactions of Inner Core Absorption Excitation in Transition Metal Halides. Journal of the Physical Society of Japan, 1982, 51, 906-914.	0.7	39
57	Wave superconducting-gap symmetry in Ba-doped KFe ₂ As ₂ . Science Advances, 2020, 6, .	1.1	39
58	Bose-Einstein condensation superconductivity induced by disappearance of the nematic state. Science Advances, 2020, 6, .	4.7	38
59	Photoemission Study of the Spectral Function of V ₂ O ₃ in Relation to the Recent Quantum Monte Carlo Study. Journal of the Physical Society of Japan, 1995, 64, 1230-1235.	0.7	36
60	Superconducting pairing of topological surface states in bismuth selenide films on niobium. Science Advances, 2018, 4, eaar7214.	4.7	36
61	Ultrahigh-spatial-resolution chemical and magnetic imaging by laser-based photoemission electron microscopy. Review of Scientific Instruments, 2015, 86, 023701.	0.6	35
62	Observation of Energy Gap in FeGa ₃ . Journal of the Physical Society of Japan, 2008, 77, 024705.	0.7	34
63	Spin-dependent quantum interference in photoemission process from spin-orbit coupled states. Nature Communications, 2017, 8, 14588.	5.8	34
64	Electronic structure and superconducting gap of silicon clathrate Ba ₈ Si ₄₆ studied with ultrahigh-resolution photoemission spectroscopy. Physical Review B, 2001, 64, .	1.1	33
65	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
66	Direct observation of site-specific valence electronic structure at the SiO ₂ /Si interface. Physical Review B, 2006, 73, .	1.1	31
67	Kondo resonance in PrTiAl ₂ . Physical Review B, 2011, 84, .	1.1	30
68	Imaging of room-temperature ferromagnetic nano-domains at the surface of a non-magnetic oxide. Nature Communications, 2016, 7, 11781.	5.8	30
69	Coherent control over three-dimensional spin polarization for the spin-orbit coupled surface state of Bi ₂ Se ₃ . Physical Review B, 2016, 94, .	1.1	30
70	Identical superconducting gap on different Fermi surfaces of Ca(Al _{0.5} Si _{0.5}) ₂ with the AlB ₂ structure. Physical Review B, 2004, 69, .	1.1	29
71	Element Selectivity in Second-Harmonic Generation of GaFeO ₃ by a Soft-X-Ray Free-Electron Laser. Physical Review Letters, 2018, 120, 223902.	2.9	29
72	Laser-excited ultrahigh-resolution photoemission spectroscopy of Na _x CoO ₂ ·yH ₂ O: Evidence for pseudogap formation. Physical Review B, 2005, 71, .	1.1	28

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73	Quantum valence criticality in a correlated metal. <i>Science Advances</i> , 2018, 4, eaao3547.	4.7	28
74	Photoinduced possible superconducting state with long-lived disproportionate band filling in FeSe. <i>Communications Physics</i> , 2019, 2, .	2.0	28
75	Ultrafast Unbalanced Electron Distributions in Quasicrystalline 30° Twisted Bilayer Graphene. <i>ACS Nano</i> , 2019, 13, 11981-11987.	7.3	28
76	Detecting electron-phonon coupling during photoinduced phase transition. <i>Physical Review B</i> , 2021, 103, .	1.1	28
77	Ti 2p and Resonant 3d Photoemission Spectra of Ti ₂ O ₃ . <i>Journal of the Physical Society of Japan</i> , 1996, 65, 1150-1153.	0.7	27
78	Characterization of Fe 3d states in CuFeS ₂ by resonant X-ray emission spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1096-1100.	0.8	27
79	Topologically Entangled Rashba-Split Shockley States on the Surface of Grey Arsenic. <i>Physical Review Letters</i> , 2017, 118, 046802.	2.9	27
80	Observation of spin-polarized bands and domain-dependent Fermi arcs in polar Weyl semimetal MoTe_2 Physical Review B, 2017, 95, .		27
81	Suppression of supercollision carrier cooling in high mobility graphene on SiC(111). <i>Physical Review B</i> , 2017, 95, .	1.1	27
82	Electron-phonon coupling induced pseudogap and the superconducting transition in Ba _{0.67} K _{0.33} BiO ₃ . <i>Physical Review B</i> , 2001, 64, .	1.1	26
83	Superconducting electronic state in optimally doped YBa ₂ Cu ₃ O _{7-x} with laser-excited angle-resolved photoemission spectro. <i>Physical Review B</i> , 2009, 79, .	1.1	26
84	Anisotropy of the superconducting gap in the iron-based superconductor BaFe ₂ (As _{1-x} P _x) ₂ . <i>Scientific Reports</i> , 2014, 4, 7292.	1.6	25
85	Observation of small Fermi pockets protected by clean CuO sheets of a high-T _c superconductor. <i>Science</i> , 2020, 369, 833-838.	6.0	25
86	Combining photoemission and optical spectroscopies for reliable valence determination in YbS and Yb metal. <i>Physical Review B</i> , 2008, 78, .	1.1	24
87	Electronic structure of an antiferromagnetic metal: CaCrO ₃ . <i>Physical Review B</i> , 2011, 83, .	1.1	24
88	Selective Formation of Zigzag Edges in Graphene Cracks. <i>ACS Nano</i> , 2015, 9, 9027-9033.	7.3	24
89	Rashba spin splitting of L-gap surface states on Ag(111) and Cu(111). <i>Physical Review B</i> , 2018, 98, .	1.1	24
90	Comparative study of the binary icosahedral quasicrystal Cd ₅ Yb and its crystalline approximant Cd ₆ Yb by low-temperature ultrahigh-resolution photoemission spectroscopy. <i>Physical Review B</i> , 2002, 65, .	1.1	23

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91	Atomic-layer-resolved bandgap structure of an ultrathin oxynitride-silicon film epitaxially grown on SiC . Physical Review B, 2009, 79, .	1.1	23
92	Hybridization gap formation in the Kondo insulator YbB_{12} using time-resolved photoemission spectroscopy. Physical Review B, 2015, 92, .	1.1	23
93	Structure and photoemission spectroscopy of strain-controlled metal-insulator transition in NdNiO_3 thin films. Journal of Applied Physics, 2009, 105, .	1.1	22
94	Quasi-particles ultrafastly releasing kink bosons to form Fermi arcs in a cuprate superconductor. Scientific Reports, 2016, 6, 18747.	1.6	22
95	Electronic Structure of Ce-Doped and -Undoped $\text{Nd}_{1-x}\text{Ce}_x\text{Cu}_2\text{O}_{7-y}$ Superconducting Thin Films Studied by Hard X-Ray Photoemission and Soft X-Ray Absorption Spectroscopy. Physical Review Letters, 2016, 120, 257001.	1.1	22
96	Origin of the Anomalously Strong Influence of Out-of-Plane Disorder on High- T_c Superconductivity. Journal of the Physical Society of Japan, 2008, 77, 074714.	0.7	21
97	Three energy scales characterizing the competing pseudogap state, the incoherent, and the coherent superconducting state in high- T_c CuO . Physical Review Letters, 2016, 116, 257001.	1.1	21
98	Anomalous Doping Variation of the Nodal Low-Energy Feature of Superconducting $\text{Bi}_{2-x}\text{Pb}_x\text{Sr}_2\text{CuO}_{7-y}$. Physical Review Letters, 2016, 116, 257001.	2.9	21
99	Devil's staircase transition of the electronic structures in CeSb . Nature Communications, 2020, 11, 2888.	5.8	21
100	Electrical resistivity and scattering processes in $(\text{Bi,Pb})_2(\text{Sr,L a})_2\text{CuO}_{6+\delta}$ studied by angle-resolved photoemission spectroscopy. Physical Review B, 2006, 74, .	1.1	20
101	Angle-resolved photoemission observation of the superconducting-gap minimum and its relation to the nesting vector in the phonon-mediated superconductor YNi_2O_7 . Physical Review B, 2010, 81, .	1.1	20
102	Atomic-layer Rashba-type superconductor protected by dynamic spin-momentum locking. Nature Communications, 2021, 12, 1462.	5.8	20
103	Photoelectron Diffraction from $\text{Ni}(001)c(2\sqrt{2})-S(2p)$. Journal of the Physical Society of Japan, 1984, 53, 3488-3497.	0.7	19
104	Observation of two fine structures related to the hidden order in the spectral functions of URu_2Si_2 . Physical Review B, 2012, 85, .	1.1	19
105	Ultrafast photoinduced transition of an insulating VO_2 thin film into a nonrutile metallic state. Physical Review B, 2014, 89, .	1.1	19
106	Ultrafast nematic-orbital excitation in FeSe . Nature Communications, 2019, 10, 1946.	5.8	19
107	Ultrafast spin-switching of a ferrimagnetic alloy at room temperature traced by resonant magneto-optical Kerr effect using a seeded free electron laser. Review of Scientific Instruments, 2015, 86, 083901.	0.6	18
108	Electronic Structure of B_{2p} State in AlB_2 Single Crystal: Direct Observation of $\rho(\epsilon)$ Density of States. Journal of the Physical Society of Japan, 2002, 71, 408-410.	0.7	17

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109	Comparative study of the electronic structure of MgB ₂ and ZrB ₂ . Physical Review B, 2003, 68, .	1.1	17
110	Temperature dependence of the exchange stiffness in FePd(001) thin films: Deviation from the empirical law $A \propto T^2$ at intermediate temperatures. Physical Review B, 2008, 77, .	1.1	17
111	Coexistence of a pseudogap and a superconducting gap for the $La_{2-x}F_xCuO_4$. Physical Review B, 2016, 93, .	1.1	17
112	Capturing ultrafast magnetic dynamics by time-resolved soft x-ray magnetic circular dichroism. Applied Physics Letters, 2017, 110, 162401.	1.5	17
113	Antiferroic electronic structure in the nonmagnetic superconducting state of the iron-based superconductors. Science Advances, 2017, 3, e1700466.	4.7	17
114	Resonant Photoemission and X-Ray Photoemission Spectra of UPd ₂ Al ₃ , UPt ₂ Si ₂ and U ₂ PtSi ₃ . Journal of the Physical Society of Japan, 1994, 63, 2428-2442.	0.7	16
115	Hard X-ray Photoemission Spectroscopy of Temperature-Induced Valence Transition in EuNi ₂ (Si _{0.20} Ge _{0.80}) ₂ . Journal of the Physical Society of Japan, 2004, 73, 2616-2619.	0.7	16
116	Functions to map photoelectron distributions in a variety of setups in angle-resolved photoemission spectroscopy. Review of Scientific Instruments, 2018, 89, 043903.	0.6	16
117	Orbital Angular Momentum Induced Spin Polarization of 2D Metallic Bands. Physical Review Letters, 2020, 125, 176401.	2.9	16
118	Observation of a giant Kerr rotation in a ferromagnetic transition metal by M -edge resonant magneto-optic Kerr effect. Physical Review B, 2014, 89, .	1.1	15
119	Topologically Nontrivial Phase-Change Compound GeSb ₂ Te ₄ . ACS Nano, 2020, 14, 9059-9065.	7.3	15
120	Valence-band photoemission study of α -ZrNiCl ₂ and the quasi-two-dimensional superconductor Na _x ZrNiCl ₂ . Physical Review B, 2004, 70, .	1.1	14
121	Laser-excited photoemission spectroscopy study of superconducting boron-doped diamond. Science and Technology of Advanced Materials, 2006, 7, S17-S21.	2.8	14
122	Giant Rashba splitting of quasi-one-dimensional surface states on Bi/InAs(110)- $\sqrt{2} \times \sqrt{2}$. Physical Review B, 2018, 98, .	1.1	14
123	Coexistence of Two Types of Spin Splitting Originating from Different Symmetries. Physical Review Letters, 2019, 122, 126403.	2.9	14
124	Proton Diffusion in SrZr _{0.95} Y _{0.05} O ₃ Observed by Quasielastic Neutron Scattering. Journal of the Physical Society of Japan, 1999, 68, 3600-3602.	0.7	13
125	Electronic Structure of Delafossite-Type Metallic Oxide PdCoO ₂ . Materials Transactions, 2001, 42, 961-964.	0.4	13
126	Doping-dependence of nodal quasiparticle properties in high- T_c cuprates studied by laser-excited angle-resolved photoemission spectroscopy. Physical Review B, 2008, 77, .	1.1	13

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127	Antiphase Fermi-surface modulations accompanying displacement excitation in a parent compound of iron-based superconductors. Physical Review B, 2018, 97, . <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mi>d</mi></math> <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mi>Pr</mi><msub><mi>x</mi></msub><mi>La</mi></math>	1.1	13
128	-wave superconducting gap observed in protect-annealed electron-doped cuprate superconductors <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mi>Pr</mi><msub><mi>x</mi></msub><mi>La</mi></math> <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mn>1.3</mn><mi>x</mi></math> <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mi>Ce</mi><msub><mi>x</mi></msub></math>	1.1	13
129	Discovery of mesoscopic nematicity wave in iron-based superconductors. Science, 2021, 373, 1122-1125.	6.0	13
130	Fully spin-polarized bulk states in ferroelectric GeTe. Physical Review Research, 2020, 2, .	1.3	13
131	Photocarrier-injected electronic structure of VO ₂ ·TiO ₂ :Nb. Applied Physics Letters, 2005, 87, 201912.	1.5	12
132	Enhanced photovoltage on the surface of topological insulator via optical aging. Applied Physics Letters, 2018, 112, .	1.5	12
133	Disorder-sensitive nodelike small gap in FeSe. Physical Review B, 2018, 98, .	1.1	12
134	HHG-laser-based time- and angle-resolved photoemission spectroscopy of quantum materials. Journal of Electron Spectroscopy and Related Phenomena, 2021, 251, 147105.	0.8	12
135	Electronic Structure of BP Studied by Resonant Soft X-ray Emission Spectroscopy. Journal of the Physical Society of Japan, 1999, 68, 166-169.	0.7	11
136	POLARIZATION DEPENDENCE OF RESONANT SOFT X-RAY EMISSION SPECTRA IN Ce COMPOUNDS. Surface Review and Letters, 2002, 09, 983-987.	0.5	11
137	Femtosecond to picosecond transient effects in WSe ₂ observed by pump-probe angle-resolved photoemission spectroscopy. Scientific Reports, 2017, 7, 15981.	1.6	11
138	Prolonged photo-carriers generated in a massive-and-anisotropic Dirac material. Scientific Reports, 2018, 8, 9073.	1.6	11
139	Ti 2p-, Ti 3p- and O 1s-Resonant Photoemission Studies of Ti ₂ O ₃ . Journal of the Physical Society of Japan, 1997, 66, 3153-3158.	0.7	10
140	Determination of the element-specific complex permittivity using a soft x-ray phase modulator. Physical Review B, 2017, 96, .	1.1	10
141	Soft X-ray ARPES for three-dimensional crystals in the micrometre region. Journal of Synchrotron Radiation, 2021, 28, 1631-1638.	1.0	10
142	Electronic structure changes across the valence transition in EuNi ₂ (Si _{0.2} Ge _{0.8}) ₂ . Physical Review B, 2004, 70, .	1.1	9
143	Iron Nanoparticles in Amorphous SiO ₂ : X-ray Emission and Absorption Spectra. Physics of the Solid State, 2005, 47, 754.	0.2	9
144	Resonant Photoemission Spectroscopy of Layered Triangular Lattices Ag ₂ O ₂ (M = Ni and Mn): Evidence for M _{3d} States at Fermi Level. Journal of the Physical Society of Japan, 2010, 79, 023704.	0.7	9

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145	Multipole polaron in the devil's staircase of CeSb. Nature Materials, 2022, 21, 410-415.	13.3	9
146	Angle-resolved photoemission study on the superconducting iron-pnictides of BaFe ₂ (As,P) ₂ with low energy photons. Solid State Communications, 2012, 152, 695-700.	0.9	8
147	Origins of Thermal Spin Depolarization in Half-Metallic Ferromagnet CrO_2 . Physical Review Letters, 2018, 121, 257201.	2.9	8
148	Unified description of the electronic structure of M ₂ AC nanolamellar carbides. Physical Review B, 2019, 100, .	1.1	8
149	Direct observation of a neutral Mn acceptor in Ga _{1-x} Mn _x As by resonant x-ray emission spectroscopy. Physical Review B, 2005, 71, .	1.1	7
150	Hole Distribution in (Sr,Ca,Y,La) ₁₄ Cu ₂₄ O ₄₁ Compounds Studied by X-ray Absorption and Emission Spectroscopy. Journal of the Physical Society of Japan, 2008, 77, 034704.	0.7	7
151	Multiple-pseudogap phases in the hydrogen-doped LaFeAsO system. Physical Review B, 2017, 95, .	1.1	7
152	Massive Suppression of Proximity Pairing in Topological Bi_2Te_3 . Physical Review B, 2017, 95, .	2.9	7
153	High-temperature antiferromagnetism in Yb based heavy fermion systems proximate to a Kondo insulator. Physical Review Research, 2021, 3, .	1.3	7
154	Low-energy electron-mode couplings in the surface bands of $\text{Sr}_2\text{FeMo}_2\text{O}_{16}$ revealed by laser-based angle-resolved photoemission spectroscopy. Physical Review B, 2019, 99, .	2.1	6
155	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, .	1.1	5
156	Ultrafast melting of spin density wave order in BaFe_2As_2 observed by time- and angle-resolved photoemission spectroscopy with extreme-ultraviolet higher harmonic generation. Physical Review B, 2017, 95, .	1.1	5
157	Experimental Methods for Spin- and Angle-Resolved Photoemission Spectroscopy Combined with Polarization-Variable Laser. Journal of Visualized Experiments, 2018, , .	0.2	5
158	Observation of unoccupied states of SnTe(111) using pump-probe ARPES measurement. Physical Review Research, 2020, 2, .	1.3	5
159	$\tilde{\Gamma}_6$ Emission Anomaly in the N 1s Resonance Emission from Hexagonal BN: Effects of the Core Hole Potential. Journal of the Physical Society of Japan, 2002, 71, 1761-1764.	0.7	4
160	Nonequilibrium electronic and phonon dynamics of $\text{Cu}_0.17\text{Bi}_2\text{Se}_3$ investigated by core-level and valence-band time-resolved photoemission spectroscopy. Physical Review B, 2015, 92, .	1.1	4
161	Carrier Concentration Dependence of Superconducting Gap of $\text{Bi}_2(\text{Sr},\text{La})_2\text{CuO}_6+\tilde{\Gamma}$. Journal of the Physical Society of Japan, 2016, 85, 104710.	0.7	4
162	L -edge resonant magneto-optical Kerr effect of a buried Fe nanofilm. Physical Review B, 2017, 96, .	1.1	4

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163	Ultrafast dynamics of an unoccupied surface resonance state in Bi ₂ Te ₂ Se. Physical Review B, 2018, 97, .	1.1	4
164	Symmetry Analysis of the Fermi Surface States of Sr ₂ RuO ₄ by Display-Type Photoelectron Spectroscopy. Journal of the Physical Society of Japan, 1999, 68, 1398-1403.	0.7	4
165	Thermoelectric Properties, Defect Structure, and Electronic Structure of Ln _{0.9} Sr _{0.1} FeO ₃ (Ln = La and Nd). Electrochemistry, 2004, 72, 870-875.	0.6	4
166	Application of resonant X-ray emissions for molecular/electronic structure analysis of boron nitrides. Applied Physics A: Materials Science and Processing, 1997, 65, 191-194.	1.1	3
167	Conduction band satellite of Ni metal observed using 3p-3d resonant inverse photoemission study. Physical Review B, 2004, 70, .	1.1	3
168	Superconducting Gap and Valence Band of Mg ₁₀ Ir ₁₉ B ₁₆ Studied by Laser and Synchrotron Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2009, 78, 034705.	0.7	3
169	Polarization dependence of resonant magneto-optical Kerr effect measured by two types of figure-8 undulators. Journal of Electron Spectroscopy and Related Phenomena, 2017, 220, 17-20.	0.8	3
170	Imaging the Formation of Ferromagnetic Domains at the LaAlO ₃ /SrTiO ₃ Interface. Journal of the Physical Society of Japan, 2019, 88, 034717.	0.7	3
171	Ultrafast optical stress on BaFe ₂ As ₂ . Physical Review Research, 2021, 3, .	1.3	3
172	Environmental effects on layer-dependent dynamics of Dirac fermions in quasicrystalline bilayer graphene. Physical Review B, 2022, 105, .	1.1	3
173	Photo-Excitation Band-Structure Engineering of 2H-NbSe ₂ Probed by Time- and Angle-Resolved Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2022, 91, .	0.7	3
174	Advantage of Thin-Film Filter for Reliable Photoemission Spectroscopy Using High-Flux Discharging Lamp. Japanese Journal of Applied Physics, 2004, 43, 3618-3619.	0.8	2
175	Direct observation of the site-specific valence electronic structure at SiO ₂ /Si(111) interface. E-Journal of Surface Science and Nanotechnology, 2006, 4, 280-284.	0.1	2
176	Unusual nodal behaviors of the superconducting gap in the iron-based superconductor Ba _{1-x} Fe _x As ₂ by laser-based spin- and angle-resolved photoemission spectroscopy. Physical Review B, 2022, 105, .	1.1	2
177	Topological Surface State of Bi ₂ Se ₃ Modified by Adsorption of Organic Donor Molecule Tetrathianaphthacene. Advanced Materials Interfaces, 2020, 7, 2000524.	1.9	2
178	Spin-polarized quasi-one-dimensional state with finite band gap on the Bi/InSb(001) surface. Physical Review Materials, 2017, 1, .	0.9	2
179	Giant Rashba system on a semiconductor substrate with tunable Fermi level: Bi/GaSb(110) (2Å ⁻¹). Physical Review Materials, 2019, 3, .	0.9	2
180	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, .	1.1	2

#	ARTICLE	IF	CITATIONS
181	Site-specific Observation of the Valence Electronic Structure at SiO ₂ /Si Interface by Means of Soft X-ray Absorption and Emission Spectroscopy. Hyomen Kagaku, 2005, 26, 514-517.	0.0	1
182	Sample Cooling in Photoemission Spectroscopy.. Hyomen Kagaku, 1999, 20, 890-891.	0.0	1
183	Scaling law for Rashba-type spin splitting in quantum-well films. Physical Review B, 2021, 104, .	1.1	1
184	THREE-DIMENSIONAL BAND MAPPING BY COMBINED VERY-LOW-ENERGY ELECTRON DIFFRACTION AND PHOTOEMISSION. Surface Review and Letters, 2002, 09, 1275-1280.	0.5	0
185	FEASIBILITY STUDIES OF THE THREE-DIMENSIONAL DETECTOR FOR SOFT X-RAY EMISSION SPECTROSCOPY. Surface Review and Letters, 2002, 09, 515-520.	0.5	0
186	Trial Construction of Continuously Variable Deviation Angle Mechanism. AIP Conference Proceedings, 2004, , .	0.3	0
187	Fluorine K α x-ray fluorescence spectra of LuF ₃ and NaF using synchrotron radiation. Surface and Interface Analysis, 2005, 37, 194-196.	0.8	0
188	3P-112 Electronic state of Glycine and Poly-Glycine in aqueous solution observed by soft x-ray emission spectroscopy(The 46th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsurei, 2008, 48, S144-S145.	0.0	0
189	Tracing Ultrafast Carrier Dynamics in Graphene with Femtosecond Time-resolved Photoemission Spectroscopy. Hyomen Kagaku, 2015, 36, 418-423.	0.0	0
190	Femtosecond-laser photoemission spectroscopy for ultrafast photovoltage dynamics: limitations and possibilities. , 2019, , .		0
191	Band-dependent superconducting gap in SrFe ₂ (As _{0.65} P _{0.35}) ₂ studied by angle-resolved photoemission spectroscopy. Scientific Reports, 2019, 9, 16418.	1.6	0
192	Laser Excited Ultrahigh Resolution Photoemission Spectroscopy. Hyomen Kagaku, 2005, 26, 716-720.	0.0	0
193	Application of High Harmonic Generation to Time-Resolved Photoemission Spectroscopy of Solids. The Review of Laser Engineering, 2015, 43, 838.	0.0	0
194	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