

Takahiro Shimojima

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3430800/publications.pdf>

Version: 2024-02-01

65
papers

3,770
citations

186209

28
h-index

123376

61
g-index

66
all docs

66
docs citations

66
times ranked

4627
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant Rashba-type spin splitting in bulk BiTeI. Nature Materials, 2011, 10, 521-526.	13.3	711
2	Redox Control and High Conductivity of Nickel Bis(dithiolene) Complex ĩ€-Nanosheet: A Potential Organic Two-Dimensional Topological Insulator. Journal of the American Chemical Society, 2014, 136, 14357-14360.	6.6	395
3	Octet-Line Node Structure of Superconducting Order Parameter in KFe ₂ As ₂ . Science, 2012, 337, 1314-1317.	6.0	215
4	Lifting of <i>xz</i> / <i>yz</i> orbital degeneracy at the structural transition in detwinned FeSe. Physical Review B, 2014, 90, .	1.1	200
5	Photoemission Spectroscopic Evidence of Gap Anisotropy in an Electron Superconductor. Physical Review Letters, 2005, 94, 057001.	2.9	193
6	Orbital-Dependent Modifications of Electronic Structure across the Magnetostructural Transition in BaFe_2As_2 . Physical Review Letters, 2010, 104, 057002.	2.9	162
7	Strongly Spin-Orbit Coupled Two-Dimensional Electron Gas Emerging near the Surface of Polar Semiconductors. Physical Review Letters, 2013, 110, 107204.	2.9	154
8	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
9	Orbital-Independent Superconducting Gaps in Iron Pnictides. Science, 2011, 332, 564-567.	6.0	131
10	Momentum-dependent sign inversion of orbital order in superconducting FeSe. Physical Review B, 2015, 92, .	1.1	113
11	Superconductivity in an electron band just above the Fermi level: possible route to BCS-BEC superconductivity. Scientific Reports, 2014, 4, 4109.	1.6	85
12	Pseudogap formation above the superconducting dome in iron pnictides. Physical Review B, 2014, 89, .	1.1	77
13	Carbon-substitution dependent multiple superconducting gap of MgB ₂ : A sub-meV resolution photoemission study. Physical Review B, 2005, 72, .	1.1	66
14	Bulk- and Surface-Sensitive High-Resolution Photoemission Study of Two Mott-Hubbard Systems: SrVO ₃ and CaVO ₃ . Physical Review Letters, 2006, 96, 076402.	2.9	65
15	Superconducting gap anisotropy sensitive to nematic domains in FeSe. Nature Communications, 2018, 9, 282.	1.1	56
16	Superconducting gap anisotropy sensitive to nematic domains in FeSe. Nature Communications, 2018, 9, 282.	5.8	56
17	Angle-Resolved Photoemission Study of the Cobalt Oxide Superconductor Na _x CoO ₂ ·yH ₂ O: Observation of the Fermi Surface. Physical Review Letters, 2006, 97, 267003.	2.9	55
18	Heavy-Fermion-like State in a Transition Metal Oxide LiV ₂ O ₄ Single Crystal: Indication of Kondo Resonance in the Photoemission Spectrum. Physical Review Letters, 2006, 96, 026403.	2.9	52

#	ARTICLE	IF	CITATIONS
19	Bulk electronic structure of $\text{Na}_0.35\text{CoO}_2 \cdot 1.3\text{H}_2\text{O}$. <i>Physical Review B</i> , 2004, 69, .	1.1	49
20	Ultraviolet laser photoemission spectroscopy of FeSi: Observation of a gap opening in density of states. <i>Physical Review B</i> , 2005, 72, .	1.1	45
21	Three-dimensional bulk band dispersion in polar BiTeI with giant Rashba-type spin splitting. <i>Physical Review B</i> , 2012, 86, .	1.1	43
22	Low-Temperature and High-Energy-Resolution Laser Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 072001.	0.7	43
23	Evidence for a \cos^4 d-wave superconducting-gap symmetry in Ba-doped KFe_2As_2 . <i>Physical Review Letters</i> , 2007, 98, 047003.	2.9	41
24	Ultra-high-resolution photoemission spectroscopy of superconductors using a VUV laser. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 953-956.	0.8	40
25	Observation of a Superconducting Gap in Boron-Doped Diamond by Laser-Excited Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2007, 98, 047003.	2.9	40
26	Evidence for excluding the possibility of a d-wave superconducting-gap symmetry in Ba-doped KFe_2As_2 . <i>Physical Review Letters</i> , 2007, 98, 047003.	1.1	39
27	Large magneto-thermopower in MnGe with topological spin texture. <i>Nature Communications</i> , 2018, 9, 408.	5.8	36
28	Nanoscale Imaging of Unusual Photoacoustic Waves in Thin Flake VTe_2 . <i>Nano Letters</i> , 2020, 20, 4932-4938.	4.5	30
29	Interplay of Superconductivity and Rattling Phenomena in BaFe_2As_2 . <i>Physical Review Letters</i> , 2007, 98, 047003.	2.9	29
30	Laser-excited ultrahigh-resolution photoemission spectroscopy of $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$: Evidence for pseudogap formation. <i>Physical Review B</i> , 2005, 71, .	1.1	28
31	Temperature-Dependent Localized Excitations of Doped Carriers in Superconducting Diamond. <i>Physical Review Letters</i> , 2008, 100, 166402.	2.9	25
32	Anisotropy of the superconducting gap in the iron-based superconductor $\text{BaFe}_2(\text{As}_{1-x}\text{Px})_2$. <i>Scientific Reports</i> , 2014, 4, 7292.	1.6	25
33	Temperature-dependent pseudogap in the oxypnictides $\text{LaFeAsO}_{1-x}\text{F}_x$ and $\text{LaFePO}_{1-x}\text{F}_x$ seen via angle-integrated photoemission. <i>Physical Review B</i> , 2009, 79, .	1.1	24
34	Evaluation of photo-induced shear strain in monoclinic VTe_2 by ultrafast electron diffraction. <i>Applied Physics Express</i> , 2018, 11, 092601.	1.1	21
35	Nano-to-micro spatiotemporal imaging of magnetic skyrmion's life cycle. <i>Science Advances</i> , 2021, 7, .	4.7	21
36	Electron and lattice dynamics of transition metal thin films observed by ultrafast electron diffraction and transient optical measurements. <i>Structural Dynamics</i> , 2016, 3, 064501.	0.9	20

#	ARTICLE	IF	CITATIONS
37	Ultrafast dissolution and creation of bonds in IrTe ₂ induced by photodoping. Science Advances, 2018, 4, eaar3867.	4.7	19
38	Ultrafast nematic-orbital excitation in FeSe. Nature Communications, 2019, 10, 1946.	5.8	19
39	Switching of band inversion and topological surface states by charge density wave. Nature Communications, 2020, 11, 2466.	5.8	19
40	Bulk Electronic Structure of the Antiferromagnetic Superconducting Phase in $\text{ErNi}_2\text{B}_2\text{C}$. Physical Review Letters, 2008, 100, 017003.	2.9	17
41	Antiferroic electronic structure in the nonmagnetic superconducting state of the iron-based superconductors. Science Advances, 2017, 3, e1700466.	4.7	17
42	Unusual Pseudogap Features Observed in Iron Oxypnictide Superconductors. Journal of the Physical Society of Japan, 2008, 77, 61-64.	0.7	16
43	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
44	Discovery of mesoscopic nematicity wave in iron-based superconductors. Science, 2021, 373, 1122-1125.	6.0	13
45	Photocarrier-injected electronic structure of $\text{VO}_2 \cdot \text{TiO}_2 \cdot \text{Nb}$. Applied Physics Letters, 2005, 87, 201912.	1.5	12
46	Quasiparticles and Fermi liquid behaviour in an organic metal. Nature Communications, 2012, 3, 1089.	5.8	11
47	Superconducting Gap of Filled Skutterudite Superconductor $\text{LaRu}_4\text{P}_{12}$ Studied by Sub-meV Resolution Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2006, 75, 064711.	0.7	10
48	Effects of Zn substitution on the electronic structure of BaFe_2As_2 revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2013, 87, .	1.1	10
49	Orbital-anisotropic electronic structure in the nonmagnetic state of $\text{BaFe}_2(\text{As}_1\text{P}_x)_2$ superconductors. Scientific Reports, 2018, 8, 2169.	1.6	9
50	Laser-excited ultrahigh-resolution photoemission spectroscopy of superconducting $\text{Na}_0.35\text{CoO}_2 \cdot 1.3\text{H}_2\text{O}$. Journal of Physics and Chemistry of Solids, 2006, 67, 282-285.	1.9	8
51	Angle-resolved photoemission study on the superconducting iron-pnictides of $\text{BaFe}_2(\text{As,P})_2$ with low energy photons. Solid State Communications, 2012, 152, 695-700.	0.9	8
52	Finite-element simulation of photoinduced strain dynamics in silicon thin plates. Structural Dynamics, 2021, 8, 024103.	0.9	8
53	Strong-Coupling Superconductivity in Noncentrosymmetric Superconductor $\text{Li}_2\text{Pd}_3\text{B}$ by Sub-meV Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2009, 78, 034711.	0.7	7
54	Multiple-pseudogap phases in the hydrogen-doped LaFeAsO system. Physical Review B, 2017, 95, .	1.1	7

#	ARTICLE	IF	CITATIONS
55	Bulk and surface sensitive high-resolution photoemission study of Mott-Hubbard systems SrVO ₃ and CaVO ₃ . Physica B: Condensed Matter, 2006, 378-380, 330-331.	1.3	6
56	Laser-excited ultrahigh-resolution photoemission spectroscopy of borocarbide superconductor RNi ₂ B ₂ C (R=Y and Er). Physica C: Superconductivity and Its Applications, 2006, 445-448, 46-49.	0.6	5
57	Evidence of a universal relation between electron-mode coupling and T _c in Ba _{1-x} K _x Fe ₂ As ₂ superconductor from laser angle-resolved photoemission spectroscopy. Physical Review B, 2014, 90, .	1.1	5
58	Laser-excited ultrahigh-resolution photoemission study of anisotropic s-wave superconductor YNi ₂ B ₂ C. Physica B: Condensed Matter, 2006, 378-380, 469-470.	1.3	4
59	Hard-X-ray photoelectron spectroscopy of NaCoO ₂ .HO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 547, 163-168.	0.7	3
60	Crystal symmetry and superlattice reflections in spin-Peierls system TiOBr. Science and Technology of Advanced Materials, 2006, 7, 17-21.	2.8	3
61	Sub-meV resolution photoemission study on carbon substituted MgB ₂ . Physica C: Superconductivity and Its Applications, 2007, 460-462, 80-83.	0.6	3
62	Effect of antiferromagnetic ordering on temperature dependent superconducting gap in ErNi ₂ B ₂ C: Laser-photoemission spectroscopy. Physica C: Superconductivity and Its Applications, 2009, 469, 928-931.	0.6	1
63	Laser-photoemission study of antiferromagnetic superconductor ErNi ₂ B ₂ C. Physica C: Superconductivity and Its Applications, 2007, 460-462, 634-635.	0.6	0
64	Ishizaka et al. Reply. Physical Review Letters, 2009, 102, .	2.9	0
65	Gigahertz-repetition-rate, narrowband-deep-ultraviolet light source for minimization of acquisition time in high-resolution angle-resolved photoemission spectroscopy. Review of Scientific Instruments, 2019, 90, 123109.	0.6	0