

Takahiro Shimojima

List of Publications by Year in descending order

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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	Finite-element simulation of photoinduced strain dynamics in silicon thin plates. <i>Structural Dynamics</i> , 2021, 8, 024103.	0.9	8
2	Nano-to-micro spatiotemporal imaging of magnetic skyrmion's life cycle. <i>Science Advances</i> , 2021, 7, .	4.7	21
3	Discovery of mesoscopic nematicity wave in iron-based superconductors. <i>Science</i> , 2021, 373, 1122-1125.	6.0	13
4	Switching of band inversion and topological surface states by charge density wave. <i>Nature Communications</i> , 2020, 11, 2466.	5.8	19
5	Nanoscale Imaging of Unusual Photoacoustic Waves in Thin Flake VTe_2 . <i>Nano Letters</i> , 2020, 20, 4932-4938.	4.5	30
6	Ultrafast nematic-orbital excitation in FeSe. <i>Nature Communications</i> , 2019, 10, 1946.	5.8	19
7	Gigahertz-repetition-rate, narrowband-deep-ultraviolet light source for minimization of acquisition time in high-resolution angle-resolved photoemission spectroscopy. <i>Review of Scientific Instruments</i> , 2019, 90, 123109.	0.6	0
8	Large magneto-thermopower in MnGe with topological spin texture. <i>Nature Communications</i> , 2018, 9, 408.	5.8	36
9	Orbital-anisotropic electronic structure in the nonmagnetic state of $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$ superconductors. <i>Scientific Reports</i> , 2018, 8, 2169.	1.6	9
10	Superconducting gap anisotropy sensitive to nematic domains in FeSe. <i>Nature Communications</i> , 2018, 9, 282.	5.8	56
11	Ultrafast dissolution and creation of bonds in IrTe_2 induced by photodoping. <i>Science Advances</i> , 2018, 4, eaar3867.	4.7	19
12	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
13	Multiple-pseudogap phases in the hydrogen-doped LaFeAsO system. <i>Physical Review B</i> , 2017, 95, .	1.1	7
14	Antiferroic electronic structure in the nonmagnetic superconducting state of the iron-based superconductors. <i>Science Advances</i> , 2017, 3, e1700466.	4.7	17
15	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
16	Low-Temperature and High-Energy-Resolution Laser Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 072001.	0.7	43
17	Momentum-dependent sign inversion of orbital order in superconducting FeSe. <i>Physical Review B</i> , 2015, 92, .	1.1	113
18	Lifting of xz / yz orbital degeneracy at the structural transition in detwinned FeSe. <i>Physical Review B</i> , 2014, 90, .	1.1	200

#	ARTICLE	IF	CITATIONS
19	Evidence of a universal relation between electron-mode coupling and T_c in $Ba_{1-x}K_xFe_2As_2$ superconductor from laser angle-resolved photoemission spectroscopy. Evidence for excluding the possibility of d -wave superconducting-gap symmetry in Ba-doped KFe ₂ As ₂ .	1.1	5
20	Pseudogap formation above the superconducting dome in iron pnictides. Physical Review B, 2014, 89, .	1.1	39
21	Redox Control and High Conductivity of Nickel Bis(dithiolene) Complex δ -Nanosheet: A Potential Organic Two-Dimensional Topological Insulator. Journal of the American Chemical Society, 2014, 136, 14357-14360.	6.6	395
22	Anisotropy of the superconducting gap in the iron-based superconductor $BaFe_2(As_{1-x}P_x)_2$. Scientific Reports, 2014, 4, 7292.	1.6	25
23	Superconductivity in an electron band just above the Fermi level: possible route to BCS-BEC superconductivity. Scientific Reports, 2014, 4, 4109.	1.6	85
24	Strongly Spin-Orbit Coupled Two-Dimensional Electron Gas Emerging near the Surface of Polar Semiconductors. Physical Review Letters, 2013, 110, 107204.	2.9	154
25	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
26	Octet-Line Node Structure of Superconducting Order Parameter in KFe_2As_2 . Science, 2012, 337, 1314-1317.	6.0	215
27	Quasiparticles and Fermi liquid behaviour in an organic metal. Nature Communications, 2012, 3, 1089. Abrupt change in the energy gap of superconducting $BaKFe_2As_2$.	5.8	11
28	Evidence for a k -dependent d -wave superconducting order parameter in $BaKFe_2As_2$.	1.1	56
29	Doped $BaFe_2(As_{1-x}P_x)_2$ with low energy photons. Solid State Communications, 2012, 152, 695-700.	2.9	41
30	Three-dimensional bulk band dispersion in polar BiTeI with giant Rashba-type spin splitting. Physical Review B, 2012, 86, .	1.1	43
31	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
32	Giant Rashba-type spin splitting in bulk BiTeI. Nature Materials, 2011, 10, 521-526.	13.3	711
33	Orbital-Independent Superconducting Gaps in Iron Pnictides. Science, 2011, 332, 564-567.	6.0	131
34	Orbital-Dependent Modifications of Electronic Structure across the Magnetostructural Transition in $BaFe_2(As,P)_2$. Physical Review Letters, 2010, 104, 057002.	2.9	162
35	Temperature-dependent pseudogap in the oxypnictides $LaFeAsO_{1-x}F_x$ and $LaFePO_{1-x}F_x$ seen via angle-integrated photoemission. Physical Review B, 2009, 79, .	1.1	24

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37	Ishizaka <i>et al.</i> Reply: Physical Review Letters, 2009, 102, .	2.9	0
38	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
39	Strong-Coupling Superconductivity in Noncentrosymmetric Superconductor Li ₂ Pd ₃ B by Sub-meV Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2009, 78, 034711.	0.7	7
40	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
41	Temperature-Dependent Localized Excitations of Doped Carriers in Superconducting Diamond. Physical Review Letters, 2008, 100, 166402.	2.9	25
42	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
43	Bulk Electronic Structure of the Antiferromagnetic Superconducting Phase in ErNi ₂ B ₂ C. Physical Review Letters, 2008, 100, 017003.	2.9	17
44	Unusual Pseudogap Features Observed in Iron Oxypnictide Superconductors. Journal of the Physical Society of Japan, 2008, 77, 61-64.	0.7	16
45	Observation of a Superconducting Gap in Boron-Doped Diamond by Laser-Excited Photoemission Spectroscopy. Physical Review Letters, 2007, 98, 047003.	2.9	40
46	Interplay of Superconductivity and Rattling Phenomena in I_2 -Pyrochlore KO_6 Studied by Sub-meV resolution photoemission study on carbon substituted MgB ₂ . Physica C: Superconductivity and Its Applications, 2007, 460-462, 80-83.	2.9	29
47	Laser-photoemission study of antiferromagnetic superconductor ErNi ₂ B ₂ C. Physica C: Superconductivity and Its Applications, 2007, 460-462, 634-635.	0.6	3
48	Superconducting Gap of Filled Skutterudite Superconductor LaRu ₄ P ₁₂ Studied by Sub-meV Resolution Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2006, 75, 064711.	0.7	10
49	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
50	Laser-excited ultrahigh-resolution photoemission spectroscopy of superconducting Na _{0.35} CoO ₂ ·1.3H ₂ O. Journal of Physics and Chemistry of Solids, 2006, 67, 282-285.	1.9	8
51	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
52	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
53	Crystal symmetry and superlattice reflections in spin-Peierls system TiOBr. Science and Technology of Advanced Materials, 2006, 7, 17-21.	2.8	3
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55	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
56	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
57	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
58	Hard-X-ray photoelectron spectroscopy of NaCoO ₂ ·yH ₂ O. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 547, 163-168.	0.7	3
59	Ultrahigh-resolution photoemission spectroscopy of superconductors using a VUV laser. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 953-956.	0.8	40
60	Photocarrier-injected electronic structure of VO ₂ ·TiO ₂ :Nb. Applied Physics Letters, 2005, 87, 201912.	1.5	12
61	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
62	Ultraviolet laser photoemission spectroscopy of FeSi: Observation of a gap opening in density of states. Physical Review B, 2005, 72, .	1.1	45
63	Carbon-substitution dependent multiple superconducting gap of MgB ₂ : A sub-meV resolution photoemission study. Physical Review B, 2005, 72, .	1.1	66
64	Photoemission Spectroscopic Evidence of Gap Anisotropy in an f-Electron Superconductor. Physical Review Letters, 2005, 94, 057001.	2.9	193
65	Bulk electronic structure of Na _{0.35} CoO ₂ ·1.3H ₂ O. Physical Review B, 2004, 69, .	1.1	49