

# Masafumi Horio

## List of Publications by Year in descending order

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53  
papers

795  
citations

516215

16  
h-index

525886

27  
g-index

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53  
docs citations

53  
times ranked

1328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of the antiferromagnetic pseudogap in the electron-doped high-temperature superconductor by protect annealing. Nature Communications, 2016, 7, 10567.	5.8	73
2	Electronic Structure Reconstruction by Orbital Symmetry Breaking in IrTe <sub>2</sub> . Journal of the Physical Society of Japan, 2013, 82, 093704.	0.7	65
3	Three-Dimensional Fermi Surface of Overdoped La-Based Cuprates. Physical Review Letters, 2018, 121, 077004.	2.9	61
4	Hidden magnetism at the pseudogap critical point of a cuprate superconductor. Nature Physics, 2020, 16, 1064-1068.	6.5	58
5	Direct observation of orbital hybridisation in a cuprate superconductor. Nature Communications, 2018, 9, 972.	5.8	37
6	Spectromicroscopy of electronic phase separation in KxFe2â~ySe2 superconductor. Scientific Reports, 2014, 4, 5592.	1.6	35
7	Strain-engineering Mott-insulating La2CuO4. Nature Communications, 2019, 10, 786.	5.8	35
8	Spin-Orbital Excitations in Ca <sub>2</sub> Mn <sub>2</sub> Si <sub>2</sub> Revealed by Resonant Inelastic X-Ray Scattering. Physical Review X, 2018, 8, .	2.8	13
9	Orbital hybridization in the diluted magnetic semiconductor Ba <sub>1-x</sub> K <sub>x</sub> Mn <sub>2</sub> Si <sub>2</sub> . Physical Review B, 2015, 92, .	1.1	25
10	Magnetic anisotropy of L1-ordered FePt thin films studied by Fe and Pt L2,3-edges x-ray magnetic circular dichroism. Applied Physics Letters, 2017, 111, .	1.5	22
11	Electronic Structure of Ce-Doped and -Undoped Nd <sub>2-x</sub> Cu <sub>2</sub> Si <sub>2</sub> Superconducting Thin Films Studied by Hard X-Ray Photoemission and Soft X-Ray Absorption Spectroscopy. Physical Review Letters, 2019, 122, 257201.	2.8	12
12	Important Roles of Te 5 <i>p</i> and Ir 5 <i>d</i> Spin-Orbit Interactions on the Multi-band Electronic Structure of Triangular Lattice Superconductor Ir <sub>1-x</sub> Pt <sub>x</sub> Te <sub>2</sub> . Journal of the Physical Society of Japan, 2014, 83, 033704.	0.7	21
13	Two-dimensional type-II Dirac fermions in layered oxides. Nature Communications, 2018, 9, 3252.	5.8	21
14	Charge order lock-in by electron-phonon coupling in La <sub>1.675</sub> Eu <sub>0.2</sub> Sr <sub>0.125</sub> CuO <sub>4</sub> . Science Advances, 2021, 7, .	4.7	18
15	Angle-resolved photoemission spectroscopy of the low-energy electronic structure of superconducting Pr <sub>2-x</sub> Fe <sub>17-x</sub> driven by oxygen nonstoichiometry. Physical Review B, 2018, 98, .	1.1	17
16	Electronic structure of the high-T <sub>c</sub> ferromagnetic semiconductor (Ga,Fe)Sb: X-ray magnetic circular dichroism and resonance photoemission spectroscopy studies. Physical Review B, 2019, 100, .	1.1	16
17	Orbitally selective breakdown of Fermi liquid quasiparticles in Ca <sub>2</sub> Mn <sub>2</sub> Si <sub>2</sub> . Physical Review B, 2019, 99, .	1.1	16
18	High-Temperature Charge-Stripe Correlations in La <sub>1.675</sub> Eu <sub>0.2</sub> Sr <sub>0.125</sub> CuO <sub>4</sub> . Physical Review Letters, 2020, 124, 187002.	2.9	16

#	ARTICLE	IF	CITATIONS
19	Band structure of overdoped cuprate superconductors: Density functional theory matching experiments. Physical Review B, 2019, 99, .	1.1	15
20	Cooperative interactions govern the fermiology of the polar metal $\text{Ca}_3\text{O}_7$ . Physical Review Research, 2020, 2, .	1.3	14
21	-wave superconducting gap observed in protect-annealed electron-doped cuprate superconductors. Physical Review B, 2013, 88, .	1.1	13
22	Electronic structure and phase separation of superconducting and nonsuperconducting $\text{KxLa}_{1-x}\text{CuO}_2$ by x-ray photoemission spectroscopy. Physical Review B, 2013, 88, .	1.1	12
23	Uniaxial pressure induced stripe order rotation in $\text{La}_{1.88}\text{Sr}_{0.12}\text{CuO}_4$ . Nature Communications, 2022, 13, 1795.	5.8	12
24	Origin of the large positive magnetoresistance of $\text{G}_{1-x}\text{M}_x\text{C}_{1-x}\text{Ru}_2\text{O}_7$ . Physical Review B, 2013, 88, .	1.1	11
25	Electronic reconstruction forming a C2-symmetric Dirac semimetal in $\text{Ca}_3\text{Ru}_2\text{O}_7$ . Npj Quantum Materials, 2021, 6, .	1.8	11
26	Dependence of electron correlation strength in $\text{F}_{1-x}\text{e}_x\text{T}_{1-x}\text{Cu}_2\text{O}_7$ . Physical Review B, 2013, 88, .	1.1	10
27	Extended superconducting dome revealed by angle-resolved photoemission spectroscopy of electron-doped cuprates prepared by the protect annealing method. Physical Review Research, 2021, 3, .	1.3	10
28	Nematicity in a cuprate superconductor revealed by angle-resolved photoemission spectroscopy under uniaxial strain. Npj Quantum Materials, 2021, 6, .	1.8	10
29	As-grown superconducting $\text{Pr}_2\text{CuO}_4$ under thermodynamic constraints. Applied Physics Express, 2015, 8, 053101.	1.1	9
30	Fast and versatile polarization control of X-ray by segmented cross undulator at SPring-8. AAPPS Bulletin, 2021, 31, 1.	2.7	9
31	Separating Non-linear Optical Signals of a Sample from High Harmonic Radiation in a Soft X-ray Free Electron Laser. E-Journal of Surface Science and Nanotechnology, 2022, 20, 31-35.	0.1	8
32	In-plane electronic anisotropy in the antiferromagnetic orthorhombic phase of isovalent-substituted $\text{Ba}_{1-x}\text{La}_x\text{Cu}_2\text{O}_7$ . Physical Review B, 2015, 92, .	1.1	7
33	A Novel One-Dimensional Electronic State at $\text{IrTe}_2$ Surface. Journal of the Physical Society of Japan, 2017, 86, 123704.	0.7	6
34	Thickness dependence and dimensionality effects on charge and magnetic orderings in $\text{La}_{1-x}\text{Pr}_x\text{CuO}_2$ thin films. Physical Review B, 2018, 97, .	1.1	6
35	ARPES studies on new types of electron-doped cuprate superconductors. Journal of Physics Condensed Matter, 2018, 30, 503001.	0.7	6
36	Nature of Carrier Doping in $\text{La}_{1.8}\text{Eu}_{0.2}\text{SrCuO}_4$ Studied by X-Ray Photoemission and Absorption Spectroscopy. Journal of the Physical Society of Japan, 2019, 88, 115004.	0.7	5

#	ARTICLE	IF	CITATIONS
37	A novel measurement approach for near-edge x-ray absorption fine structure: Continuous 2 $\pi$ angular rotation of linear polarization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1018, 165804.	0.7	5
38	Band Jahn-Teller effects and Peierls Instability in IrTe <sub>2</sub> . Journal of Physics: Conference Series, 2013, 428, 012018.	0.3	4
39	Resonant inelastic x-ray scattering study of $\text{CaO}_7\text{Mn}_3$ . Physical Review B, 2020, 102, .	1.1	3
40	Oxide Fermi liquid universality revealed by electron spectroscopy. Physical Review B, 2020, 102, .	1.1	3
41	Environmental effects on layer-dependent dynamics of Dirac fermions in quasicrystalline bilayer graphene. Physical Review B, 2022, 105, .	1.1	3
42	Unusual nodal behaviors of the superconducting gap in the iron-based superconductor $\text{Ba}(\text{MoO})$ .	1.1	2
43	Observation of a Pseudogap in the Vicinity of the Metal-Insulator Transition in the Perovskite-type Vanadium Oxides $\text{Nd}_{1-x}\text{Sr}_x\text{VO}_3$ . Journal of the Physical Society of Japan, 2018, 87, 024708.	0.7	2
44	Local Magnetic States of the Weakly Ferromagnetic Iron-Based Superconductor $\text{Sr}_2\text{VFeAsO}_3$ Studied by X-ray Magnetic Circular Dichroism. Journal of the Physical Society of Japan, 2018, 87, 105001.	0.7	2
45	Multi-band Electronic Structure of Ferromagnetic CeRuPO. Journal of the Physical Society of Japan, 2018, 87, 043703.	0.7	2
46	Two-carrier Magnetoresistance: Applications to $\text{Ca}_3\text{Ru}_2\text{O}_7$ . Journal of the Physical Society of Japan, 2021, 90, 054702.	0.7	1
47	Hard and soft x-ray photoemission spectroscopy study of the new Kondo system SmO thin film. Physical Review Materials, 2020, 4, .	0.9	1
48	Superconducting gap and pseudogap in the surface states of the iron-based superconductor $\text{PrFeAsO}_{1-y}$ studied by angle-resolved photoemission spectroscopy. Physical Review Research, 2021, 3, .	1.3	1
49	Materials Science Research by Ambient Pressure X-ray Photoelectron Spectroscopy Systems at Synchrotron Radiation Facilities in Japan: Applications in Energy, Catalysis, and Sensors. Synchrotron Radiation News, 2022, 35, 19-25.	0.2	1
50	Angle-Resolved Photoemission Study on Multi-Band Electronic Structure of IrTe <sub>2</sub> . , 2014, , .		0
51	Band-dependent superconducting gap in $\text{SrFe}_2(\text{As}_{0.65}\text{P}_{0.35})_2$ studied by angle-resolved photoemission spectroscopy. Scientific Reports, 2019, 9, 16418.	1.6	0
52	Post-doctoral Research Experience in Zurich. Vacuum and Surface Science, 2021, 64, 193-194.	0.0	0
53	Decoupling of lattice and orbital degrees of freedom in an iron-pnictide superconductor. Physical Review Research, 2021, 3, .	1.3	0