

Makoto Hashimoto

List of Publications by Year in descending order

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113
papers

8,072
citations

61984

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116
all docs

116
docs citations

116
times ranked

8076
citing authors

#	ARTICLE	IF	CITATIONS
1	Unconventional spectral signature of Tc in a pure d-wave superconductor. Nature, 2022, 601, 562-567.	27.8	8
2	Unconventional Hysteretic Transition in a Charge Density Wave. Physical Review Letters, 2022, 128, 036401.	7.8	14
3	Correlation-driven electronic reconstruction in FeTe1-xSex. Communications Physics, 2022, 5, .	5.3	17
4	Electronic structure of superconducting nickelates probed by resonant photoemission spectroscopy. Matter, 2022, 5, 1806-1815.	10.0	15
5	Nonsymmorphic symmetry-protected band crossings in a square-net metal PtPb4. Npj Quantum Materials, 2022, 7, .	5.2	10
6	Strain-controlled evolution of electronic structure indicating topological phase transition in the quasi-one-dimensional superconductor TaSe_3 . Physical Review B, 2022, 105, .	3.2	4
7	Electronic nature of the pseudogap in electron-doped Sr2IrO4. Npj Quantum Materials, 2022, 7, .	5.2	6
8	Electronic states dressed by an out-of-plane supermodulation in the quasi-two-dimensional kagome superconductor CsV_3Sb_5 . Physical Review B, 2022, 105, .	3.2	13
9	Spectroscopic fingerprint of charge order melting driven by quantum fluctuations in a cuprate. Nature Physics, 2021, 17, 53-57.	16.7	36
10	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.	27.5	98
11	Magic Doping and Robust Superconductivity in Monolayer FeSe on Titanates. Advanced Science, 2021, 8, 2003454.	11.2	6
12	Anisotropic quasiparticle coherence in nematic BaFe_2As_2 studied with strain-dependent ARPES. Physical Review B, 2021, 103, .	3.2	6
13	Observation of topological superconductivity in a stoichiometric transition metal dichalcogenide 2M-Ws2. Nature Communications, 2021, 12, 2874.	12.8	43
14	Visualization of the strain-induced topological phase transition in a quasi-one-dimensional superconductor TaSe3. Nature Materials, 2021, 20, 1093-1099.	27.5	57
15	Superconducting Fluctuations in Overdoped Bi_2Te_3 . Physical Review X, 2021, 11, .	8.9	20
16	Anomalously strong near-neighbor attraction in doped 1D cuprate chains. Science, 2021, 373, 1235-1239.	12.6	62
17	Quasiparticle coherence in the nematic state of FeSe. Physical Review B, 2021, 104, .	3.2	6
18	Electronic structure of the Si-containing topological Dirac semimetal CaAl_2Si_2 . Physical Review B, 2020, 102, .	3.2	9

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19	Observation of Topological Electronic Structure in Quasi-1D Superconductor TaSe ₃ . Matter, 2020, 3, 2055-2065.	10.0	26
20	Quantum-well states in fractured crystals of the heavy-fermion material CeCoIn_5 . Physical Review B, 2020, 102, .	3.2	4
21	Emergence of quasiparticles in a doped Mott insulator. Communications Physics, 2020, 3, .	5.3	8
22	Three interaction energy scales in the single-layer high- T_c cuprate HgBa ₂ CuO ₄ + \hat{I} . Physical Review B, 2020, 102, .	3.2	4
23	Metallic surface states in a correlated d-electron topological Kondo insulator candidate FeSb ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15409-15413.	7.1	15
24	Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. Physical Review Letters, 2019, 123, 066402.	7.8	41
25	Band-Resolved Imaging of Photocurrent in a Topological Insulator. Physical Review Letters, 2019, 122, 167401.	7.8	55
26	Electronic structure of the quadrupolar ordered heavy-fermion compound YbRu ₂ Ge ₂ measured by angle-resolved photoemission. Physical Review B, 2019, 99, .	3.2	3
27	Fermi surface reconstruction in electron-doped cuprates without antiferromagnetic long-range order. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3449-3453.	7.1	32
28	Spectroscopic Evidence for Electron-Boson Coupling in Electron-Doped Sr_2RuO_7 . Physical Review Letters, 2019, 123, 216402.	7.8	13
29	Incoherent strange metal sharply bounded by a critical doping in Bi ₂ Te ₂ . Science, 2019, 366, 1099-1102.	12.6	86
30	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.	3.3	0
31	Nematic Energy Scale and the Missing Electron Pocket in FeSe. Physical Review X, 2019, 9, .	8.9	66
32	Dichotomy of the photo-induced 2-dimensional electron gas on SrTiO ₃ surface terminations. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16687-16691.	7.1	11
33	Detailed band structure of twinned and detwinned BaFe_2As_2 studied with angle-resolved photoemission spectroscopy. Physical Review B, 2019, 99, .	3.2	0
34	Epitaxial growth of TiSe ₂ /TiO ₂ heterostructure. 2D Materials, 2019, 6, 011008.	4.4	10
35	Anomalous Hall effect in ZrTe ₅ . Nature Physics, 2018, 14, 451-455.	16.7	192
36	Electronic structure of monolayer 1T-MoTe ₂ grown by molecular beam epitaxy. APL Materials, 2018, 6, .	5.1	44

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37	Rapid change of superconductivity and electron-phonon coupling through critical doping in Bi-2212. Science, 2018, 362, 62-65.	12.6	98
38	Three-dimensional collective charge excitations in electron-doped copper oxide superconductors. Nature, 2018, 563, 374-378.	27.8	100
39	Phase transition and electronic structure evolution of MoTe_2 induced by W substitution. Physical Review B, 2018, 98, .	3.2	11
40	Spectral Evidence for Emergent Order in BaBiO_3 . Physical Review Letters, 2018, 121, 127001.	7.8	11
41	Unusual nodal behaviors of the superconducting gap in the iron-based superconductor BaBiO_3 . Physical Review B, 2018, 98, .	3.2	22
42	Ubiquitous strong electron-phonon coupling at the interface of FeSe/SrTiO ₃ . Nature Communications, 2017, 8, 14468.	12.8	51
43	Coexistence of Replica Bands and Superconductivity in FeSe Monolayer Films. Physical Review Letters, 2017, 118, 067002.	7.8	86
44	Dispersive charge density wave excitations in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. Nature Physics, 2017, 13, 952-956.	16.7	101
45	Unusual nodal behaviors of the superconducting gap in the iron-based superconductor BaBiO_3 . Physical Review B, 2017, 96, .	3.2	2
46	Stripes developed at the strong limit of nematicity in FeSe film. Nature Physics, 2017, 13, 957-961.	16.7	35
47	Large thermopower from dressed quasiparticles in the layered cobaltates and rhodates. Physical Review B, 2017, 96, .	3.2	11
48	Revealing the Coulomb interaction strength in a cuprate superconductor. Physical Review B, 2017, 96, .	3.2	19
49	Quantum spin Hall state in monolayer $1T'-\text{WTe}_2$. Nature Physics, 2017, 13, 683-687.	16.7	596
50	Three-dimensional nature of the band structure of ZrTe_5 measured by high-momentum-resolution photoemission spectroscopy. Physical Review B, 2017, 95, .	3.2	14
51	Superconductivity-Insensitive Order at $q = \frac{1}{4}$ in Electron-Doped Cuprates. Physical Review X, 2017, 7, .	3.2	14
52	Raman and fluorescence characteristics of resonant inelastic X-ray scattering from doped superconducting cuprates. Scientific Reports, 2016, 6, 19657.	3.3	32
53	Distinct Electronic Structure for the Extreme Magnetoresistance in YSb. Physical Review Letters, 2016, 117, 267201.	7.8	77
54	Superconducting Gap Anisotropy in Monolayer FeSe Thin Film. Physical Review Letters, 2016, 117, 117001.	7.8	93

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55	Distinctive orbital anisotropy observed in the nematic state of a FeSe thin film. Physical Review B, 2016, 94, .	3.2	80
56	Observation of Orbital Order in the Half-Filled Gd Compound. Physical Review Letters, 2016, 117, 216404.	7.8	14
57	Experimental elucidation of the origin of the $\tilde{\text{double spin resonances}}^{\text{TM}}$ in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2016, 93, .	3.2	12
58	Origin of the low critical observing temperature of the quantum anomalous Hall effect in V-doped $(\text{Bi}, \text{Sb})_2\text{Te}_3$ film. Scientific Reports, 2016, 6, 32732.	3.3	42
59	Magnetic excitations and phonons simultaneously studied by resonant inelastic x-ray scattering in optimally doped $\text{Bi}_{1-x}\text{Sb}_x\text{Te}_3$. Physical Review B, 2015, 92, .	3.2	28
60	Electron-phonon coupling in a system with broken symmetry: Surface of BeO . Physical Review B, 2015, 92, .	3.2	1001
61	Experimental observation of incoherent-coherent crossover and orbital-dependent band renormalization in iron chalcogenide superconductors. Physical Review B, 2015, 92, .	3.2	46
62	Bandwidth and Electron Correlation-Tuned Superconductivity in $\text{Rb}_{0.8}\text{Fe}_2(\text{Se}_{1-z}\text{S}_z)_2$. Physical Review Letters, 2015, 115, 256403.	7.8	16
63	Fermi Arcs vs. Fermi Pockets in Electron-doped Perovskite Iridates. Scientific Reports, 2015, 5, 8533.	3.3	18
64	Observation of universal strong orbital-dependent correlation effects in iron chalcogenides. Nature Communications, 2015, 6, 7777.	12.8	148
65	Interface Ferroelectric Transition near the Gap-Opening Temperature in a Single-Unit-Cell FeSe Film Grown on Nb-Doped SrTiO_3 Substrate. Physical Review Letters, 2015, 114, 037002.	7.8	23
66	Inequivalence of Single-Particle and Population Lifetimes in a Cuprate Superconductor. Physical Review Letters, 2015, 114, 247001.	7.8	49
67	Dependence of electron correlation strength in FeSe . Physical Review Letters, 2015, 114, 247001.	3.2	10
68	Spectroscopic evidence for negative electronic compressibility in a quasi-three-dimensional spin-orbit correlated metal. Nature Materials, 2015, 14, 577-582.	27.5	43
69	Direct spectroscopic evidence for phase competition between the pseudogap and superconductivity in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. Nature Materials, 2015, 14, 37-42.	27.5	92
70	Superconducting graphene sheets in CaC_6 enabled by phonon-mediated interband interactions. Nature Communications, 2014, 5, 3493.	12.8	91
71	Dynamic competition between spin-density wave order and superconductivity in underdoped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$. Nature Communications, 2014, 5, 3711.	12.8	38
72	Interfacial mode coupling as the origin of the enhancement of T_c in FeSe films on SrTiO_3 . Nature, 2014, 515, 245-248.	27.8	567

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73	Direct observation of bulk charge modulations in optimally doped $\text{Bi}_{1-x}\text{Sb}_x\text{O}$. Physical Review B, 2014, 89, .	3.2	60
74	Energy gaps in high-transition-temperature cuprate superconductors. Nature Physics, 2014, 10, 483-495.	16.7	256
75	Strongly three-dimensional electronic structure and Fermi surfaces of $\text{SrFe}_2(\text{As}_{0.65}\text{P}_{0.35})_2$: Comparison with $\text{BaFe}_2(\text{As}_{1-x}\text{Px})_2$. Physical Review B, 2014, 89, . Absence of superconductivity in the hole-doped Fe pnictide $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{P}_2$. Physical Review B, 2014, 89, .	3.2	12
76		3.2	26
77	Electronic structure of the metallic antiferromagnet PdCrO measured by angle-resolved photoemission spectroscopy. Physical Review B, 2013, 88, .	3.2	32
78	Observation of Temperature-Induced Crossover to an Orbital-Selective Mott Phase in $\text{Fe}_x\text{Co}_{1-x}\text{P}_2$.		

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91	Angle-resolved photoemission study of the trilayer high- T_c cuprate superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_3\text{O}_{10+\delta}$. Physica C: Superconductivity and Its Applications, 2010, 470, S14-S16.	1.2	6
92	Particle-hole symmetry breaking in the pseudogap state of $\text{Bi}_2\text{201}$. Nature Physics, 2010, 6, 414-418.	16.7	176
93	Mass renormalization in the bandwidth-controlled Mott-Hubbard systems SrVO_3 and CaVO_3 by angle-resolved photoemission spectroscopy. Physical Review B, 2010, 82, .	3.2	61
94	ARPES studies of cuprate Fermiology: superconductivity, pseudogap and quasiparticle dynamics. New Journal of Physics, 2010, 12, 105008.	2.9	110
95	Massive Dirac Fermion on the Surface of a Magnetically Doped Topological Insulator. Science, 2010, 329, 659-662.	12.6	1,051
96	Enhanced Superconducting Gaps in the Trilayer High-Temperature Cuprate $\text{Bi}_2\text{Sr}_2\text{CaCu}_3\text{O}_{10+\delta}$. Physical Review Letters, 2010, 104, 227001.	3.2	61
97	Unconventional electronic reconstruction in undoped BaFe_2As_2 the spin density wave transition. Physical Review B, 2009, 80, .	3.2	134
98	Effects of out-of-plane disorder on the nodal quasiparticle and superconducting gap in single-layer $\text{Bi}_2\text{Sr}_2\text{CaCu}_3\text{O}_{10+\delta}$. Physical Review B, 2009, 79, .	3.2	25
99	Crossover from coherent quasiparticles to incoherent hole carriers in underdoped cuprates. Physical Review B, 2009, 79, .	3.2	14
100	Applicability of convex hull in multiple detector response space for neutron dose measurements. Radiation Protection Dosimetry, 2009, 136, 1-10.	0.8	2
101	Universal versus Material-Dependent Two-Gap Behaviors of the High- T_c Cuprate Superconductors: Angle-Resolved Photoemission Study of $\text{Bi}_2\text{Sr}_2\text{CaCu}_3\text{O}_{10+\delta}$. Doping evolution of the electronic structure in the single-layer cuprate $\text{Bi}_2\text{Sr}_2\text{CaCu}_3\text{O}_{10+\delta}$. Physical Review B, 2008, 77, .	7.8	119
102	Temperature dependence of the chemical potential in $\text{Bi}_2\text{Sr}_2\text{CaCu}_3\text{O}_{10+\delta}$ and $\text{La}_2\text{Sr}_2\text{CuO}_4$. Physical Review B, 2008, 77, .	3.2	71
103	Temperature dependence of the chemical potential in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. Journal of Physics: Conference Series, 2008, 108, 012018.	0.4	1
104	Anisotropy of gap and kink energies in the trilayer high- T_c cuprate superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_3\text{O}_{10+\delta}$. Journal of Physics: Conference Series, 2008, 108, 012015.	0.4	3
105	Distinct doping dependences of the pseudogap and superconducting gap of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ cuprate superconductors. Physical Review B, 2007, 75, .	3.2	65
106	Temperature-dependent photoemission spectra, spectral weight transfer, and chemical potential shift in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$: Implications for charge-density modulation. Physical Review B, 2007, 76, .	3.2	12
107	Relationship between the superconducting gap and the pseudogap: Temperature-dependent photoemission study of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ and La_2CuO_4 . Physica C: Superconductivity and Its Applications, 2007, 460-462, 884-885.	1.2	3
108	Doping Evolution of the Electronic Structure in the Single-layer Cuprate $\text{Bi}_2\text{Sr}_2\text{La}_x\text{CuO}_{6+\delta}$. AIP Conference Proceedings, 2006, .	0.4	0

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109	Photoemission study of excess oxygen-doped La ₂ CuO ₄ . Physica C: Superconductivity and Its Applications, 2006, 445-448, 80-83.	1.2	2
110	Photoemission from Buried Interfaces in SrTiO ₃ /LaTiO ₃ Superlattices. Physical Review Letters, 2006, 97, 057601.	7.8	90
111	Ferromagnetic transition in MnP studied by high-resolution photoemission spectroscopy. Physical Review B, 2004, 69, .	3.2	10
112	White Dwarf Models of Supernovae and Cataclysmic Variables. International Astronomical Union Colloquium, 1987, 93, 395-411.	0.1	0
113	Nematic Fluctuations in the Non-Superconducting Iron Pnictide BaFe _{1.9} ~ ^x Ni _{0.1} CrxAs ₂ . Frontiers in Physics, 0, 10, .	2.1	2