

Haiyun Liu

List of Publications by Year in descending order

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35
papers

1,898
citations

430874

18
h-index

414414

32
g-index

35
all docs

35
docs citations

35
times ranked

2844
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial charge and energy transfer in van der Waals heterojunctions. InformaĀnĀ-MateriĀly, 2022, 4, .	17.3	48
2	Temperature evolution of quasiparticle dispersion and dynamics in semimetallic $T\hat{\alpha}^*$ via high-resolution angle-resolved photoemission spectroscopy and ultrafast optical pump-probe spectroscopy. Physical Review B, 2021, 103, .	3.2	10
3	Observation of soft Leggett mode in superconducting $\text{CaKFe}_4\text{As}_4$. Physical Review B, 2020, 102, .	3.2	5
4	Time-Resolved Study of Pseudogap and Superconducting Quasiparticle Dynamics in $\text{Ca}_{0.82}\text{La}_{0.18}\text{Fe}_x\text{Ni}_x\text{As}_2$. Chinese Physics Letters, 2020, 37, 067401.	3.3	2
5	Three-dimensional Fermi surface and electron-phonon coupling in semimetallic T - TiTe_2 studied by angle-resolved photoemission spectroscopy. Physical Review B, 2019, 99, .	3.2	14
6	Ultrafast hot carrier dynamics of ZrTe_5 from time-resolved optical reflectivity. Physical Review B, 2019, 99, .	3.2	14
7	Transient transition from free carrier metallic state to exciton insulating state in GaAs by ultrafast photoexcitation. New Journal of Physics, 2018, 20, 033015.	2.9	7
8	Identification of a New Form of Electron Coupling in the $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ Superconductor by Laser-Based Angle-Resolved Photoemission Spectroscopy. Peking University-World Scientific Advanced Physics Series, 2018, , 239-248.	0.0	0
9	Dynamical Stability Limit for the Charge Density Wave in $K_3\text{O}_3$. Physical Review Letters, 2017, 118, 116402.	7.8	18
10	High harmonic generation driven by intense ultrashort laser pulse obliquely impinging laminar grating target surface. Physics of Plasmas, 2017, 24, 083107.	1.9	4
11	Subwavelength topological structures resulting from surface two-plasmon resonance by femtosecond laser exposure solid surface. Optics Express, 2016, 24, 12151.	3.4	8
12	THz-Frequency Modulation of the Hubbard U in an Organic Mott Insulator. Physical Review Letters, 2015, 115, 187401.	7.8	69
13	Femtosecond all-optical synchronization of an X-ray free-electron laser. Nature Communications, 2015, 6, 5938.	12.8	171
14	Optically induced coherent transport far above T_c in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review Letters, 2014, 112, 187401.	3.2	230
15	Fermi surface sheet-dependent band splitting in Sr_2RuO_4 revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	3.2	32
16	Band structure of Sr_2RuO_4 revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	3.2	8
17	Band structure of CaCu_2O_7 revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	3.2	14
18	Robustness of topological order and formation of quantum well states in topological insulators exposed to ambient environment. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3694-3698.	7.1	158

#	ARTICLE	IF	CITATIONS
19	Identification of Nodal Kink in Electron-Doped (Nd _{1.85} Ce _{0.15})CuO ₄ Superconductor from Laser-Based Angle-Resolved Photoemission Spectroscopy. EPJ Web of Conferences, 2012, 23, 00005.	0.3	3
20	Clocking the Melting Transition of Charge and Lattice Order in TaS_2 with Ultrafast Extreme-Ultraviolet Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2011, 107, 177402.	7.8	186
21	Quantitative determination of Eliashberg function and evidence of strong electron coupling with multiple phonon modes in heavily overdoped (Bi,Pb) ₂ Sr ₂ CuO _{6+δ} . Physical Review B, 2011, 83, .	3.2	14
22	High resolution angle-resolved photoemission spectroscopy on Cu-based and Fe-based high-T _c superconductors. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2674-2692.	1.8	9
23	Back Cover (Phys. Status Solidi A 12/2010). Physica Status Solidi (A) Applications and Materials Science, 2010, 207, .	1.8	0
24	Unusual Electronic Structure and Observation of Dispersion Kink in CeFeAsO Parent Compound of FeAs-based Superconductors. Physical Review Letters, 2010, 105, 027001.	7.8	26
25	Band-structure reorganization across the magnetic transition in BaFe ₂ As ₂ seen via high-resolution angle-resolved photoemission. Physical Review B, 2009, 80, .	3.2	47
26	Growth, characterization and physical properties of high-quality large single crystals of Bi ₂ (Sr _{2-x} Lax)CuO _{6+δ} high-temperature superconductors. Superconductor Science and Technology, 2009, 22, 045010.	3.5	23
27	Coexistence of Fermi arcs and Fermi pockets in a high-T _c copper oxide superconductor. Nature, 2009, 462, 335-338.	27.8	199
28	Monotonic d -wave superconducting gap of the optimally doped Bi ₂ Sr ₂ CuO _{6+δ} . Physical Review B, 2009, 79, .	3.2	49
29	Development of a vacuum ultraviolet laser-based angle-resolved photoemission system with a superhigh energy resolution better than 1 meV. Review of Scientific Instruments, 2008, 79, 023105.	1.3	188
30	Fermi surface and band renormalization of Sr _{1-x} K _{x} Fe ₂ As ₂ from angle-resolved photoemission spectroscopy. Physical Review B, 2008, 78, .	3.2	49
31	High Energy Dispersion Relations for the High Temperature $\text{Bi}_2\text{Sr}_2\text{CuO}_{6+\delta}$ Superconductor from Laser-Based Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 101, .	7.8	52
32	Identification of a New Form of Electron Coupling in the $\text{Sr}_2\text{Bi}_2\text{CuO}_{8+\delta}$ Superconductor by Laser-Based Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 100, 107002.	3.2	188
33	New isotope ²⁶⁵ Bh. European Physical Journal A, 2004, 20, 385-387.	2.5	81
34	Magnetic field-controlled two-way shape memory in CoNiGa single crystals. Applied Physics Letters, 2004, 84, 3594-3596.	3.3	68
35	Evidence of New Proton Activity Observed in p + Ne Reaction: $\hat{\alpha}^m$ Tentatively assigned to \hat{I}^2 -delayed Proton Decay of ¹⁹ Na. , 1996, , .		0