

Haiyun Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4111912/publications.pdf>

Version: 2024-02-01

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	Optically induced coherent transport for optimally doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Physical Review B, 2014, 89, .	3.2	230
2	Coexistence of Fermi arcs and Fermi pockets in a high-Tc copper oxide superconductor. Nature, 2009, 462, 335-338.	27.8	199
3	Development of a vacuum ultraviolet laser-based angle-resolved photoemission system with a superhigh energy resolution better than 1meV. Review of Scientific Instruments, 2008, 79, 023105.	1.3	188
4	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
5	Femtosecond all-optical synchronization of an X-ray free-electron laser. Nature Communications, 2015, 6, 5938.	12.8	171
6	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
7	Identification of a New Form of Electron Coupling in the $\text{Sr}_2\text{Bi}_2\text{O}_8$ Superconductor by Laser-Based Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 100, 107002.	7.8	158
8	New isotope ^{265}Bh . European Physical Journal A, 2004, 20, 385-387.	2.5	81
9	THz-Frequency Modulation of the Hubbard U in an Organic Mott Insulator. Physical Review Letters, 2015, 115, 187401.	7.8	69
10	Magnetic field-controlled two-way shape memory in CoNiGa single crystals. Applied Physics Letters, 2004, 84, 3594-3596.	3.3	68
11	High Energy Dispersion Relations for the High Temperature $\text{Sr}_2\text{Bi}_2\text{O}_8$ Superconductor from Laser-Based Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 101, 017002.	7.8	52
12	Fermi surface and band renormalization of $\text{Sr}_1\hat{x}\text{KxFe}_2\text{As}_2$ from angle-resolved photoemission spectroscopy. Physical Review B, 2008, 78, .	3.2	49
13	Monotonically d -wave superconducting gap of the optimally doped Bi_2O_8 Physical Review B, 2009, 79, .	3.2	49
14	Interfacial charge and energy transfer in van der Waals heterojunctions. Informa \hat{n} Materi \hat{A} ly, 2022, 4, .	17.3	48
15	Band-structure reorganization across the magnetic transition in BaFe_2As_2 seen via high-resolution angle-resolved photoemission. Physical Review B, 2009, 80, .	3.2	47
16	Possible observation of parametrically amplified coherent phasons in KMoO_3 angle-resolved photoemission spectroscopy. Physical Review B, 2013, 88, .	3.2	32
17	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
18	Growth, characterization and physical properties of high-quality large single crystals of $\text{Bi}_2(\text{Sr}_{2-x}\text{La}_x)\text{CuO}_6$ high-temperature superconductors. Superconductor Science and Technology, 2009, 22, 045010.	3.5	23

#	ARTICLE	IF	CITATIONS
19	Dynamical Stability Limit for the Charge Density Wave in $Kx_{0.3}Bi_{1-x}Te$. Physical Review Letters, 2017, 118, 116402.	7.8	18
20	Ultrafast hot carrier dynamics of $ZrTe_5$ from time-resolved optical reflectivity. Physical Review B, 2019, 99, .	3.2	14
21	Quantitative determination of Eliashberg function and evidence of strong electron coupling with multiple phonon modes in heavily overdoped $(Bi,Pb)_{2-x}Sr_2CuO_{6+x}$. Physical Review B, 2011, 83, .	3.2	14
22	Extraction of normal electron self-energy and pairing self-energy in the superconducting state of the $Bi_{1-x}Sr_x$ d -wave superconductor. Physical Review B, 2013, 88, .	3.2	14
23	Infrared Fermi surface and electron-phonon coupling in semimetallic $TiTe_2$. Physical Review B, 2013, 88, .	3.2	14
24	Temperature evolution of quasiparticle dispersion and dynamics in semimetallic $TiTe_2$ via high-resolution angle-resolved photoemission spectroscopy and ultrafast optical pump-probe spectroscopy. Physical Review B, 2021, 103, .	3.2	10
25	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
26	Fermi surface sheet-dependent band splitting in $Sr_{1-x}Ru_xO_4$ revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	3.2	8
27	Subwavelength topological structures resulting from surface two-plasmon resonance by femtosecond laser exposure solid surface. Optics Express, 2016, 24, 12151.	3.4	8
28	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
29	Observation of soft Leggett mode in superconducting $CaKFe_4As_2$. Physical Review B, 2020, 102, .	3.2	5
30	High harmonic generation driven by intense ultrashort laser pulse obliquely impinging laminar grating target surface. Physics of Plasmas, 2017, 24, 083107.	1.9	4
31	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
32	Time-Resolved Study of Pseudogap and Superconducting Quasiparticle Dynamics in $Ca_{0.82}La_{0.18}Fe_{1-x}Ni_xAs_2$. Chinese Physics Letters, 2020, 37, 067401.	3.3	2
33	Back Cover (Phys. Status Solidi A 12/2010). Physica Status Solidi (A) Applications and Materials Science, 2010, 207, .	1.8	0
34	Evidence of New Proton Activity Observed in $p + Ne$ Reaction: Tentatively assigned to \hat{I}^2 -delayed Proton Decay of ^{19}Na . , 1996, , .		0
35	Identification of a New Form of Electron Coupling in the $Bi_2Sr_2CaCu_2O_8$ Superconductor by Laser-Based Angle-Resolved Photoemission Spectroscopy. Peking University-World Scientific Advanced Physics Series, 2018, , 239-248.	0.0	0