Haiyun Liu

List of Publications by Year
in descending order

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35 papers	1,898 citations	489802 18 h-index	466096 32 g-index
35 all docs	35 docs citations	35 times ranked	3148 citing authors

#	Article	IF	Citations
1	Interfacial charge and energy transfer in van der Waals heterojunctions. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	8.5	48
2	Temperature evolution of quasiparticle dispersion and dynamics in semimetallic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext>â^'</mml:mtext></mml:mrow></mml:math>TaAs via high-resolution angle-resolved photoemission spectroscopy and ultrafast optical pump-probe spectroscopy. Physical Review B, 2021, 103, .	1.1	10
3	Observation of soft Leggett mode in superconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">CaKFe</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2020, 102, .	1.1	5
4	Time-Resolved Study of Pseudogap and Superconducting Quasiparticle Dynamics in Ca_{0.82}La_{0.18}Fe_{1 â€“ x}Ni_xAs₂*. Chinese Physics Letters, 2020, 37, 067401.	1.3	2
5	Three-dimensional Fermi surface and electron-phonon coupling in semimetallic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi></mml:mrow></mml:math>-TaSe₂ studied by angle-resolved photoemission spectroscopy. Physical Review B, 2019, 99, .	1.1	14
6	Ultrafast hot carrier dynamics of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ZrTe</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math> from time-resolved optical reflectivity. Physical Review B, 2019, 99, .	1.1	18
7	Transient transition from free carrier metallic state to exciton insulating state in GaAs by ultrafast photoexcitation. New Journal of Physics, 2018, 20, 033015.	1.2	7
8	Identification of a New Form of Electron Coupling in the Bi2Sr2CaCu2O8 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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi>MoO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2017, 118, 116402.	2.9	18
10	High harmonic generation driven by intense ultrashort laser pulse obliquely impinging laminar grating target surface. Physics of Plasmas, 2017, 24, 083107.	0.7	4
11	Subwavelength topological structures resulting from surface two-plasmon resonance by femtosecond laser exposure solid surface. Optics Express, 2016, 24, 12151.	1.7	8
12	THz-Frequency Modulation of the Hubbard<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>U</mml:mi></mml:math>in an Organic Mott Insulator. Physical Review Letters, 2015, 115, 187401.	2.9	69
13	Femtosecond all-optical synchronization of an X-ray free-electron laser. Nature Communications, 2015, 6, 5938.	5.8	171
14	Optically induced coherent transport far above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>in underdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>6</mml:mn><mml:mo>+</mml:mo><mml:mi>î´</mml:mi></mml:mrow></mml:msub></mml:math>. Physical Review B, 2014, 89, .	1.1	230
15	Fermi surface sheet-dependent band splitting in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub></mml:math>MoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math> revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	1.1	32
16	Fermi surface sheet-dependent band splitting in Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>RuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math> revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	1.1	8
17	Fermi surface sheet-dependent band splitting in Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>CaCu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>Cl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math> revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	1.1	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.	3.3	158

#	Article	IF	Citations
19	Identification of Nodal Kink in Electron-Doped (Nd1.85Ce0.15)CuO4Superconductor from Laser-Based Angle-Resolved Photoemission Spectroscopy. EPJ Web of Conferences, 2012, 23, 00005.	0.1	3
20	Clocking the Melting Transition of Charge and Lattice Order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:msub><mml:mi>TaS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>with Ultrafast Extreme-Ultraviolet Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2011, 107, 177402.	2.9	186
21	Quantitative determination of Eliashberg function and evidence of strong electron coupling with multiple phonon modes in heavily overdoped (Bi,Pb)2Sr2CuO6+Î´. Physical Review B, 2011, 83, .	1.1	14
22	High resolution angleâ€resolved photoemission spectroscopy on Cuâ€based and Feâ€based highâ€T_c superconductors. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2674-2692.	0.8	9
23	Back Cover (Phys. Status Solidi A 12/2010). Physica Status Solidi (A) Applications and Materials Science, 2010, 207, .	0.8	0
24	Unusual Electronic Structure and Observation of Dispersion Kink in CeFeAsO Parent Compound of FeAs-based Superconductors. Physical Review Letters, 2010, 105, 027001.	2.9	26
25	Band-structure reorganization across the magnetic transition inBaFe2As2seen via high-resolution angle-resolved photoemission. Physical Review B, 2009, 80, .	1.1	47
26	Growth, characterization and physical properties of high-quality large single crystals of Bi2(Sr2â^'xLax)CuO6+Î´high-temperature superconductors. Superconductor Science and Technology, 2009, 22, 045010.	1.8	23
27	Coexistence of Fermi arcs and Fermi pockets in a high-Tc copper oxide superconductor. Nature, 2009, 462, 335-338.	13.7	199
28	Monotonic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-wave superconducting gap of the optimally doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2009, 79, .	1.1	49
29	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.	0.6	188
30	Fermi surface and band renormalization ofSr1â^'xKxFe2As2from angle-resolved photoemission spectroscopy. Physical Review B, 2008, 78, .	1.1	49
31	High-Energy Dispersion Relations for the High-Temperature<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Sr</mml:mi><mml:mn mathvariant="normal">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>Superconductor from Laser-Based Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 101,	2.9	52
32	Identification of a New Form of Electron Coupling in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Sr</mml:mi><mml:mn mathvariant="normal">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>Superconductor by Laser-Based Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 100, 107002.	2.9	88
33	New isotope 265Bh. European Physical Journal A, 2004, 20, 385-387.	1.0	81
34	Magnetic field-controlled two-way shape memory in CoNiGa single crystals. Applied Physics Letters, 2004, 84, 3594-3596.	1.5	68
35	Evidence of New Proton Activity Observed in p + Ne Reaction: â€"Tentatively assigned to Î²-delayed Proton Decay of 19Na. , 1996, , .		0