Jianqiao Meng

List of Publications by Year in descending order

52 papers	1,350 citations	394421 19 h-index	345221 36 g-index
53 all docs	53 docs citations	53 times ranked	1698 citing authors

#	Article	IF	Citations
1	Growth, characterization, and Raman spectra of the 1T phases of TiTe₂, TiSe₂, and TiS₂. Chinese Physics B, 2022, 31, 037103.	1.4	7
2	Sparkling hot spots in perovskite solar cells under reverse bias. ChemPhysMater, 2022, 1, 71-76.	2.8	7
3	Ultrafast optical spectroscopy evidence of pseudogap and electron-phonon coupling in an iron-based superconductor KCa2Fe4As4F2. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	5.1	15
4	Titelbild: Highly Efficient Multiphoton Absorption of Zincâ€AIEgen Metalâ€"Organic Frameworks (Angew.) Tj ETQq0 0 0 rgBT /Overlock 1	2.0	0
5	Highly Efficient Multiphoton Absorption of Zincâ€AIEgen Metalâ€"Organic Frameworks. Angewandte Chemie - International Edition, 2022, 61, .	13.8	13
6	Thermodynamics Controlled Sharp Transformation from InP to GaP Nanowires via Introducing Trace Amount of Gallium. Nanoscale Research Letters, 2021, 16, 49.	5.7	5
7	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^'</m via high-resolution angle-resolved photoemission spectroscopy and ultrafast optical pump-probe spectroscopy. Physical Review B, 2021, 103, .	3.2	10
8	Angle-resolved photoemission spectroscopy view on the nature of Ce <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:math> electrons in the antiferromagnetic Kondo lattice <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ce</mml:mi><mml:msub><mml:mi>Pd</mml:mi><mml:m Physical Review B, 2021, 103, .	3.2	5
9	In-Plane Anisotropic Nonlinear Optical Properties of Two-Dimensional Organicâ€"Inorganic Hybrid Perovskite. Journal of Physical Chemistry Letters, 2021, 12, 7010-7018.	4.6	14
10	Dirac semimetal PdTe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e250" altimg="si63.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> temperature-dependent quasiparticle dynamics and electronâ€"phonon coupling. Results in Physics, 2021, 30, 104816.	4.1	8
11	The 4f-Hybridization Strength in Ce_m M_n In_{3m+2n} Heavy-Fermion Compounds Studied by Angle-Resolved Photoemission Spectroscopy. Chinese Physics Letters, 2021, 38, 107402.	3.3	2
12	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, .	3.2	5
13	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.	3.3	2
14	Three-dimensional and temperature-dependent electronic structure of the heavy-fermion compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CePt</mml:mi><mml:mn>2</mml:mn></mm studied by angle-resolved photoemission spectroscopy. Physical Review B, 2020, 101, .	3.2	8
15	Transient carrier dynamics of GaAs at room temperature. Journal of Applied Physics, 2020, 128, 015706.	2.5	0
16	Study of pseudogap and superconducting quasiparticle dynamics in Bi2Sr2CaCu2O8+Î´ by time-resolved optical reflectivity. Physica C: Superconductivity and Its Applications, 2020, 577, 1353710.	1.2	4
17	Automated defect classification in infrared thermography based on a neural network. NDT and E International, 2019, 107, 102147.	3.7	47
18	Crystal electric field splitting and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>f</mml:mi></mml:math> -electron hybridization in heavy-fermion <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CePt</mml:mi><mml:mn>2</mml:mn></mm Physical Review B, 2019, 100, .	3.2	7

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19	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> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TiTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> studied by angle-resolved photoemission spectroscopy. Physical Review B, 2019, 99, .	3.2	14
20	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, .	3.2	18
21	Exciton-phonon and exciton-exciton interactions in GaAs by time-resolved optical reflectivity. Results in Physics, 2019, 12, 1089-1090.	4.1	1
22	Reliability assessment of pulsed thermography and ultrasonic testing for impact damage of CFRP panels. NDT and E International, 2019, 102, 77-83.	3.7	54
23	Near infrared nighttime road pedestrians recognition based on convolutional neural network. Infrared Physics and Technology, 2019, 97, 25-32.	2.9	37
24	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
25	Fast-response and high-responsivity FA MA(1â^')PbI3 photodetectors fabricated via doctor-blading deposition in ambient condition. Organic Electronics, 2018, 52, 190-194.	2.6	23
26	Metal Halide Perovskite Single Crystals: From Growth Process to Application. Crystals, 2018, 8, 220.	2.2	31
27	Photoinduced two-step insulatorâ€“metal transition in Ti₄O₇ via ultrafast time-resolved optical reflectivity. Applied Physics Express, 2018, 11, 095802.	2.4	3
28	Valence band dispersion measurements of perovskite single crystals using angle-resolved photoemission spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 5361-5365.	2.8	32
29	High-performance formamidinium-based perovskite photodetectors fabricated via doctor-blading deposition in ambient condition. Organic Electronics, 2017, 47, 102-107.	2.6	34
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	High-quality CH3NH3PbI3 thin film fabricated via intramolecular exchange for efficient planar heterojunction perovskite solar cells. Organic Electronics, 2016, 39, 304-310.	2.6	27
32	Resolving the multi-gap electronic structure of USb2 with interband self-energy. Journal of Electron Spectroscopy and Related Phenomena, 2014, 194, 23-26.	1.7	4
33	Disappearance of nodal gap across the insulatorâ€“superconductor transition in a copper-oxide superconductor. Nature Communications, 2013, 4, 2459.	12.8	60
34	Doping Evolution of Nodal Band Renormalization in Bi ₂ Sr ₂ CuO _{6+Î´} Superconductor Revealed by Laser-Based Angle-Resolved Photoemission Spectroscopy. Chinese Physics Letters, 2013, 30, 067402.	3.3	9
35	Imaging the Three-Dimensional Fermi-Surface Pairing near the Hidden-Order Transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>URu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Si</mml:mi><mml:mn> Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2013, 111, 127002.	7.8	64
36	Extraction of normal electron self-energy and pairing self-energy in the superconducting state of the Bi<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>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	3.2	14

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37	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.	0.3	3
38	Momentum-space electronic structures and charge orders of the high-temperature superconductors Ca2â^'xNaxCuO2Cl2and Bi2Sr2CaCu2O8+Î´. Physical Review B, 2011, 84, .	3.2	20
39	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, .	3.2	14
40	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.	1.8	9
41	Back Cover (Phys. Status Solidi A 12/2010). Physica Status Solidi (A) Applications and Materials Science, 2010, 207, .	1.8	0
42	High-Quality Large-Sized Single Crystals of Pb-Doped Bi ₂ Sr ₂ CuO _{6+Î´} High- T _c Superconductors Grown with Traveling Solvent Floating Zone Method. Chinese Physics Letters, 2010, 27, 087401.	3.3	9
43	Band-structure reorganization across the magnetic transition inBaFe2As2seen via high-resolution angle-resolved photoemission. Physical Review B, 2009, 80, .	3.2	47
44	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.	3.5	23
45	Band structure, Fermi surface, and superconducting gap in FeAs-based superconductors revealed by angle-resolved photoemission spectroscopy. Frontiers of Physics in China, 2009, 4, 427-432.	1.0	5
46	Coexistence of Fermi arcs and Fermi pockets in a high-Tc copper oxide superconductor. Nature, 2009, 462, 335-338.	27.8	199
47	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, .	3.2	49
48	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
49	Fermi surface and band renormalization ofSr1â^'xKxFe2As2from angle-resolved photoemission spectroscopy. Physical Review B, 2008, 78, .	3.2	49
50	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, 017002.	7.8	52
51	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.	7.8	88
52	Highly Efficient Multiphoton Absorption of Zincâ€AlEgen Metalâ€“Organic Frameworks. Angewandte Chemie, 0, , .	2.0	0