

Jianqiao Meng

List of Publications by Year in descending order

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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	Coexistence of Fermi arcs and Fermi pockets in a high-Tc copper oxide superconductor. Nature, 2009, 462, 335-338.	27.8	199
2	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
3	Identification of a New Form of Electron Coupling in the Bi_2O_8 Superconductor by High-Energy Dispersive Photoemission Spectroscopy. Physical Review Letters, 2008, 100, 107002.	1.3	188
4	Imaging the Three-Dimensional Fermi-Surface Pairing near the Hidden-Order Transition in URu_2Si_2 by Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2013, 111, 127002.	7.8	64
5	Disappearance of nodal gap across the insulatorâ€“superconductor transition in a copper-oxide superconductor. Nature Communications, 2013, 4, 2459.	12.8	60
6	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
7	High Energy Dispersive Relations for the High Temperature Bi_2O_8 Superconductor from Laser-Based Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 101, 017002.	7.8	52
8	Fermi surface and band renormalization of $\text{Sr}_1-x\text{K}_x\text{Fe}_2\text{As}_2$ from angle-resolved photoemission spectroscopy. Physical Review B, 2008, 78, .	3.2	49
9	Monotonic d-wave superconducting gap of the optimally doped Bi_2O_8 Superconductor. Physical Review B, 2008, 79, .	3.2	49
10	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
11	Automated defect classification in infrared thermography based on a neural network. NDT and E International, 2019, 107, 102147.	3.7	47
12	Near infrared nighttime road pedestrians recognition based on convolutional neural network. Infrared Physics and Technology, 2019, 97, 25-32.	2.9	37
13	High-performance formamidinium-based perovskite photodetectors fabricated via doctor-blading deposition in ambient condition. Organic Electronics, 2017, 47, 102-107.	2.6	34
14	Valence band dispersion measurements of perovskite single crystals using angle-resolved photoemission spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 5361-5365.	2.8	32
15	Metal Halide Perovskite Single Crystals: From Growth Process to Application. Crystals, 2018, 8, 220.	2.2	31
16	High-quality $\text{CH}_3\text{NH}_3\text{PbI}_3$ thin film fabricated via intramolecular exchange for efficient planar heterojunction perovskite solar cells. Organic Electronics, 2016, 39, 304-310.	2.6	27
17	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
18	Fast-response and high-responsivity $\text{FA MA}(\text{I}^{\text{A}})\text{PbI}_3$ photodetectors fabricated via doctor-blading deposition in ambient condition. Organic Electronics, 2018, 52, 190-194.	2.6	23

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19	Momentum-space electronic structures and charge orders of the high-temperature superconductors $\text{Ca}_{2-x}\text{Na}_x\text{CuO}_2\text{Cl}_2$ and $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. <i>Physical Review B</i> , 2011, 84, .	3.2	20
20	Ultrafast hot carrier dynamics of ZrTe_5 from time-resolved optical reflectivity. <i>Physical Review B</i> , 2019, 99, .		
21	Ultrafast optical spectroscopy evidence of pseudogap and electron-phonon coupling in an iron-based superconductor $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_{12}$. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	5.1	15
22	Quantitative determination of Eliashberg function and evidence of strong electron coupling with multiple phonon modes in heavily overdoped $(\text{Bi,Pb})_2\text{Sr}_2\text{CuO}_6$. <i>Physical Review B</i> , 2011, 83, .	3.2	14
23	Extraction of normal electron self-energy and pairing self-energy in the superconducting state of the $\text{Bi}_2\text{Sr}_2\text{CuO}_6$ superconductor. <i>Physical Review B</i> , 2011, 83, .	3.2	14
24	Three-dimensional Fermi surface and electron-phonon coupling in semimetallic TiTe_2 studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2019, 99, .	3.2	14
25	In-Plane Anisotropic Nonlinear Optical Properties of Two-Dimensional Organic-Inorganic Hybrid Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7010-7018.	4.6	14
26	Highly Efficient Multiphoton Absorption of Zinc-Based Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	13
27	Temperature evolution of quasiparticle dispersion and dynamics in semimetallic TiTe_2 via high-resolution angle-resolved photoemission spectroscopy and ultrafast optical pump-probe spectroscopy. <i>Physical Review B</i> , 2021, 103, .	3.2	10
28	High resolution angle-resolved photoemission spectroscopy on Cu-based and Fe-based high- T_c superconductors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 2674-2692.	1.8	9
29	High-Quality Large-Sized Single Crystals of Pb -Doped $\text{Bi}_2\text{Sr}_2\text{CuO}_6$ High- T_c Superconductors Grown with Traveling Solvent Floating Zone Method. <i>Chinese Physics Letters</i> , 2010, 27, 087401.	3.3	9
30	Doping Evolution of Nodal Band Renormalization in $\text{Bi}_2\text{Sr}_2\text{CuO}_6$ Superconductor Revealed by Laser-Based Angle-Resolved Photoemission Spectroscopy. <i>Chinese Physics Letters</i> , 2013, 30, 067402.	3.3	9
31	Three-dimensional and temperature-dependent electronic structure of the heavy-fermion compound CePt_2Si_8 studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2020, 101, .	3.2	8
32	Dirac semimetal PdTe_2 temperature-dependent quasiparticle dynamics and electron-phonon coupling. <i>Results in Physics</i> , 2021, 30, 104816.	4.1	8
33	Transient transition from free carrier metallic state to exciton insulating state in GaAs by ultrafast photoexcitation. <i>New Journal of Physics</i> , 2018, 20, 033015.	2.9	7
34	Crystal electric field splitting and f -electron hybridization in heavy-fermion CePt_2Si_8 . <i>Physical Review B</i> , 2019, 100, .	3.2	7
35	Growth, characterization, and Raman spectra of the 1T phases of TiTe_2 , TiSe_2 , and TiS_2 . <i>Chinese Physics B</i> , 2022, 31, 037103.	1.4	7
36	Sparkling hot spots in perovskite solar cells under reverse bias. <i>ChemPhysMater</i> , 2022, 1, 71-76.	2.8	7

#	ARTICLE	IF	CITATIONS
37	Band structure, Fermi surface, and superconducting gap in FeAs-based superconductors revealed by angle-resolved photoemission spectroscopy. <i>Frontiers of Physics in China</i> , 2009, 4, 427-432.	1.0	5
38	Observation of soft Leggett mode in superconducting $\text{CaKFe}_4\text{As}_4$. <i>Physical Review B</i> , 2020, 102, .	3.2	5
39	Thermodynamics Controlled Sharp Transformation from InP to GaP Nanowires via Introducing Trace Amount of Gallium. <i>Nanoscale Research Letters</i> , 2021, 16, 49.	5.7	5
40	Angle-resolved photoemission spectroscopy view on the nature of Ce electrons in the antiferromagnetic Kondo lattice CePd . <i>Physical Review B</i> , 2021, 103, .	3.2	5
41	Resolving the multi-gap electronic structure of USb_2 with interband self-energy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 194, 23-26.	1.7	4
42	High harmonic generation driven by intense ultrashort laser pulse obliquely impinging laminar grating target surface. <i>Physics of Plasmas</i> , 2017, 24, 083107.	1.9	4
43	Study of pseudogap and superconducting quasiparticle dynamics in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ by time-resolved optical reflectivity. <i>Physica C: Superconductivity and Its Applications</i> , 2020, 577, 1353710.	1.2	4
44	Identification of Nodal Kink in Electron-Doped $(\text{Nd}_{1.85}\text{Ce}_{0.15})\text{CuO}_4$ Superconductor from Laser-Based Angle-Resolved Photoemission Spectroscopy. <i>EPJ Web of Conferences</i> , 2012, 23, 00005.	0.3	3
45	Photoinduced two-step insulator-metal transition in Ti_4O_7 via ultrafast time-resolved optical reflectivity. <i>Applied Physics Express</i> , 2018, 11, 095802.	2.4	3
46	Time-Resolved Study of Pseudogap and Superconducting Quasiparticle Dynamics in $\text{Ca}_{0.82}\text{La}_{0.18}\text{Fe}_{1-x}\text{Ni}_x\text{As}_2$. <i>Chinese Physics Letters</i> , 2020, 37, 067401.	3.3	2
47	The 4f-Hybridization Strength in $\text{Ce}_m\text{M}_n\text{In}_{3m+2n}$ Heavy-Fermion Compounds Studied by Angle-Resolved Photoemission Spectroscopy. <i>Chinese Physics Letters</i> , 2021, 38, 107402.	3.3	2
48	Exciton-phonon and exciton-exciton interactions in GaAs by time-resolved optical reflectivity. <i>Results in Physics</i> , 2019, 12, 1089-1090.	4.1	1
49	Back Cover (Phys. Status Solidi A 12/2010). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, .	1.8	0
50	Transient carrier dynamics of GaAs at room temperature. <i>Journal of Applied Physics</i> , 2020, 128, 015706.	2.5	0
51	Titelbild: Highly Efficient Multiphoton Absorption of Zinc-Organic Frameworks (<i>Angew. Chem.</i>)	1.0	0
52	Highly Efficient Multiphoton Absorption of Zinc-Organic Frameworks. <i>Angewandte Chemie</i> , 0, .	2.0	0