

Chunjing J Jia

List of Publications by Year in descending order

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43
papers

2,132
citations

304743

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43
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45
all docs

45
docs citations

45
times ranked

3688
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic structure of superconducting nickelates probed by resonant photoemission spectroscopy. <i>Matter</i> , 2022, 5, 1806-1815.	10.0	15
2	On the Nature of Valence Charge and Spin Excitations via Multi-Orbital Hubbard Models for Infinite-Layer Nickelates. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	1
3	Anisotropy of the magnetic and transport properties of EuZn_2As_2 . <i>Physical Review B</i> , 2022, 105, .	3.2	9
4	Preserving a robust CsPbI_3 perovskite phase via pressure-directed octahedral tilt. <i>Nature Communications</i> , 2021, 12, 461.	12.8	90
5	Electronic Structure Trends Across the Rare-Earth Series in Superconducting Infinite-Layer Nickelates. <i>Physical Review X</i> , 2021, 11, .	8.9	57
6	Gauge invariance of light-matter interactions in first-principle tight-binding models. <i>Physical Review B</i> , 2021, 103, .	3.2	19
7	Evolution of the electronic structure in Ta_2Te_7 across the structural transition revealed by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2021, 103, .	3.2	7
8	Web-based methods for X-ray and photoelectron spectroscopies. <i>Computational Materials Science</i> , 2021, 200, 110814.	3.0	3
9	Emergence of quasiparticles in a doped Mott insulator. <i>Communications Physics</i> , 2020, 3, .	5.3	8
10	Time-resolved resonant inelastic x-ray scattering in a pumped Mott insulator. <i>Physical Review B</i> , 2020, 101, .	3.2	13
11	Metallic surface states in a correlated d-electron topological Kondo insulator candidate FeSb_2 . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15409-15413.	7.1	15
12	Facile diamond synthesis from lower diamondoids. <i>Science Advances</i> , 2020, 6, eaay9405.	10.3	26
13	Electronic structure of the parent compound of superconducting infinite-layer nickelates. <i>Nature Materials</i> , 2020, 19, 381-385.	27.5	205
14	Theory for time-resolved resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2019, 99, .	3.2	23
15	Pressure Effects on the Electronic Structure of Light Lanthanides. <i>Physical Review Letters</i> , 2019, 122, 066401.	7.8	4
16	A Wannier orbital based method for resonant inelastic x-ray scattering simulation. <i>Journal of Physics: Conference Series</i> , 2019, 1290, 012014.	0.4	3
17	Resonant inelastic x-ray scattering studies of magnons and bimagnons in the lightly doped cuprate La_2CuO_7 . <i>Physical Review B</i> , 2018, 97, .	3.2	22
18	Paradeisos: A perfect hashing algorithm for many-body eigenvalue problems. <i>Computer Physics Communications</i> , 2018, 224, 81-89.	7.5	15

#	ARTICLE	IF	CITATIONS
19	Electronic structure of monolayer 1T'-MoTe ₂ grown by molecular beam epitaxy. APL Materials, 2018, 6, .	5.1	44
20	Spectroscopic Signature of Oxidized Oxygen States in Peroxides. Journal of Physical Chemistry Letters, 2018, 9, 6378-6384.	4.6	80
21	Theoretical understanding of photon spectroscopies in correlated materials in and out of equilibrium. Nature Reviews Materials, 2018, 3, 312-323.	48.7	38
22	Numerically exploring the 1D-2D dimensional crossover on spin dynamics in the doped Hubbard model. Physical Review B, 2017, 96, .	3.2	14
23	Spin and charge excitations in artificial hole- and electron-doped infinite layer cuprate superconductors. Physical Review B, 2017, 96, .	3.2	17
24	Femtosecond electron-phonon lock-in by photoemission and x-ray free-electron laser. Science, 2017, 357, 71-75.	12.6	177
25	Quantum spin Hall state in monolayer 1T'-WTe ₂ . Nature Physics, 2017, 13, 683-687.	16.7	596
26	Raman and fluorescence characteristics of resonant inelastic X-ray scattering from doped superconducting cuprates. Scientific Reports, 2016, 6, 19657.	3.3	32
27	Distinct Electronic Structure for the Extreme Magnetoresistance in YSb. Physical Review Letters, 2016, 117, 267201.	7.8	77
28	All-optical materials design of chiral edge modes in transition-metal dichalcogenides. Nature Communications, 2016, 7, 13074.	12.8	71
29	Using Nonequilibrium Dynamics to Probe Competing Orders in a Mott-Peierls System. Physical Review Letters, 2016, 116, 086401.	7.8	18
30	Using RIXS to Uncover Elementary Charge and Spin Excitations. Physical Review X, 2016, 6, .	8.9	48
31	Fidelity study of superconductivity in extended Hubbard models. Physical Review B, 2015, 92, .	3.2	8
32	Origin of strong dispersion in Hubbard insulators. Physical Review B, 2015, 92, .	3.2	27
33	Doping evolution of spin and charge excitations in the Hubbard model. Physical Review B, 2015, 92, .	3.2	30
34	Sitewise manipulations and Mott insulator-superfluid transition of interacting photons using superconducting circuit simulators. Physical Review B, 2015, 91, .	3.2	11
35	Charge-orbital-lattice coupling effects in the profile of one-dimensional cuprates. Physical Review B, 2014, 89, .	3.2	21
36	Real-Space Visualization of Remnant Mott Gap and Magnon Excitations. Physical Review Letters, 2014, 112, 156402.	7.8	15

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37	Persistent spin excitations in doped antiferromagnets revealed by resonant inelastic light scattering. Nature Communications, 2014, 5, 3314.	12.8	120
38	Doping evolution of the oxygen K -edge x-ray absorption spectra of cuprate superconductors using a three-orbital Hubbard model. Physical Review B, 2013, 87, .	3.2	25
39	Uncovering selective excitations using the resonant profile of indirect inelastic x-ray scattering in correlated materials: observing two-magnon scattering and relation to the dynamical structure factor. New Journal of Physics, 2012, 14, 113038.	2.9	32
40	Numerical studies of photon-based spectroscopies on high- superconductors. Computer Physics Communications, 2011, 182, 106-108.	7.5	2
41	Theory of Two-Magnon Raman Scattering in Iron Pnictides and Chalcogenides. Physical Review Letters, 2011, 106, 067002.	7.8	29
42	Fidelity study of the superconducting phase diagram in the two-dimensional single-band Hubbard model. Physical Review B, 2011, 84, .	3.2	16
43	Unraveling the Nature of Charge Excitations in LaCu_2O_7 Momentum-Resolved Cu K -Edge Resonant Inelastic X-Ray Scattering. Physical Review Letters, 2010, 105, 177401.	7.8	39