

Guichuan Yu

List of Publications by Year in descending order

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29
papers

1,512
citations

394421

19
h-index

501196

28
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all docs

30
docs citations

30
times ranked

1678
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft x-ray absorption spectroscopy and magnetic circular dichroism as operando probes of complex oxide electrolyte gate transistors. Applied Physics Letters, 2020, 116, 201905.	3.3	5
2	Unusual Dynamic Charge Correlations in Simple-Tetragonal $\text{HgBa}_2\text{CuO}_4$. Physical Review X, 2020, 10, .	8.9	15
3	Doping-dependent phonon anomaly and charge-order phenomena in the $\text{HgBa}_2\text{CuO}_4$ and $\text{HgBa}_2\text{CuO}_6$. Physical Review B, 2020, 101, .	3.2	4
4	Evidence for a universal Fermi-liquid scattering rate throughout the phase diagram of the copper-oxide superconductors. New Journal of Physics, 2019, 21, 113007.	2.9	19
5	Universal precursor of superconductivity in the cuprates. Physical Review B, 2019, 99, .	3.2	18
6	Hole pocket-driven superconductivity and its universal features in the electron-doped cuprates. Science Advances, 2019, 5, eaap7349.	10.3	30
7	Wide-voltage-window reversible control of electronic transport in electrolyte-gated epitaxial BaSnO_3 . Physical Review Materials, 2019, 3, .	2.4	20
8	Emergence of superconductivity in the cuprates via a universal percolation process. Nature Communications, 2018, 9, 4327.	12.8	44
9	Coupling between dynamic magnetic and charge-order correlations in the cuprate superconductor Nd_2CuO_4 . Physical Review B, 2018, 98, .	3.2	33
10	Percolative nature of the direct-current paraconductivity in cuprate superconductors. Npj Quantum Materials, 2018, 3, .	5.2	29
11	Decomposition of perpendicular magnetic anisotropy via strain-engineered oxygen vacancy ordering in epitaxial La_2CuO_4 . Physical Review Applied, 2018, 10, 044002.	2.4	2
12	Perpendicular magnetic anisotropy via strain-engineered oxygen vacancy ordering in epitaxial La_2CuO_4 . Physical Review Applied, 2018, 10, 044002.	2.4	28
13	Synchrotron x-ray scattering study of charge-density-wave order in $\text{HgBa}_2\text{CuO}_4$. Physical Review B, 2017, 96, .	2.4	7
14	Synchrotron x-ray scattering study of charge-density-wave order in $\text{HgBa}_2\text{CuO}_4$. Physical Review B, 2017, 96, .	2.4	7
15	In Situ Observation of Phase Separation in High-Temperature Superconductor $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. Microscopy and Microanalysis, 2017, 23, 1680-1681.	0.4	0
16	Ion-gel-gating-induced oxygen vacancy formation in epitaxial La_2CuO_4 . Physical Review Applied, 2017, 9, 044002.	2.4	44
17	Commensurate antiferromagnetic excitations as a signature of the pseudogap in the tetragonal high-Tc cuprate $\text{HgBa}_2\text{CuO}_4+\text{f}$. Nature Communications, 2016, 7, 10819.	12.8	55
18	Doping-dependent charge order correlations in electron-doped cuprates. Science Advances, 2016, 2, e1600782.	10.3	65

#	ARTICLE	IF	CITATIONS
19	Hidden Fermi-liquid Charge Transport in the Antiferromagnetic Phase of the Electron-Doped Cuprate Superconductors. Physical Review Letters, 2016, 117, 197001.	7.8	26
20	Charge order and its connection with Fermi-liquid charge transport in a pristine high-Tc cuprate. Nature Communications, 2014, 5, 5875.	12.8	259
21	Angle-resolved photoemission spectroscopy study of HgBa ₂ CuO ₄ + δ . Physical Review B, 2014, 89, .	3.2	40
22	High-Energy Anomaly in the Angle-Resolved Photoemission Spectra of $Nd_{2-x}Ce_xCuO_{4-\delta}$. Physical Review Letters, 2014, 113, 137001.	7.8	15
23	Asymmetry of collective excitations in electron- and hole-doped cuprate superconductors. Nature Physics, 2014, 10, 883-889.	16.7	106
24	Universal sheet resistance and revised phase diagram of the cuprate high-temperature superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12235-12240.	7.1	142
25	Universal quantum oscillations in the underdoped cuprate superconductors. Nature Physics, 2013, 9, 761-764.	16.7	130
26	Two-component uniform spin susceptibility of superconducting HgBa ₂ CuO ₄ single crystals measured using ^{63}Cu NMR. Nature Physics, 2012, 8, 404-410.	3.2	30
27	Two Ising-like magnetic excitations in a single-layer cuprate superconductor. Nature Physics, 2012, 8, 404-410.	16.7	28
28	Magnetic order in the pseudogap phase of HgBa ₂ CuO ₄ studied by spin-polarized neutron diffraction. Physical Review B, 2011, 84, .	3.2	64
29	Spin correlations in the electron-doped high-transition-temperature superconductor Nd _{2-x} Ce _x CuO ₄ + δ . Nature, 2007, 445, 186-189.	27.8	190