

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
g-index

30
all docs

30
docs citations

30
times ranked

1678
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge order and its connection with Fermi-liquid charge transport in a pristine high-Tc cuprate. Nature Communications, 2014, 5, 5875.	12.8	259
2	Spin correlations in the electron-doped high-transition-temperature superconductor Nd _{2-x} CexCuO ₄ ± δ . Nature, 2007, 445, 186-189.	27.8	190
3	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
4	Universal quantum oscillations in the underdoped cuprate superconductors. Nature Physics, 2013, 9, 761-764.	16.7	130
5	Asymmetry of collective excitations in electron- and hole-doped cuprate superconductors. Nature Physics, 2014, 10, 883-889.	16.7	106
6	Doping-dependent charge order correlations in electron-doped cuprates. Science Advances, 2016, 2, e1600782.	10.3	65
7	Magnetic order in the pseudogap phase of HgBa ₂ CuO ₄ ± δ . Physical Review B, 2017, 96, .	3.2	64
8	Synchrotron x-ray scattering study of charge-density-wave order in HgBa ₂ CuO ₄ ± δ . Physical Review B, 2017, 96, .	3.2	64
9	Commensurate antiferromagnetic excitations as a signature of the pseudogap in the tetragonal high-Tc cuprate HgBa ₂ CuO ₄ ± δ . Nature Communications, 2016, 7, 10819.	12.8	55
10	Emergence of superconductivity in the cuprates via a universal percolation process. Nature Communications, 2018, 9, 4327.	12.8	44
11	Ion-gel-gating-induced oxygen vacancy formation in epitaxial HgBa ₂ CuO ₄ ± δ . Physical Review B, 2018, 98, .	2.4	44
12	Angle-resolved photoemission spectroscopy study of HgBa ₂ CuO ₄ ± δ . Physical Review B, 2014, 89, .	3.2	40
13	Coupling between dynamic magnetic and charge-order correlations in the cuprate superconductor Nd _{2-x} CexCuO ₄ ± δ . Physical Review B, 2018, 98, .	3.2	33
14	Two-component uniform spin susceptibility of superconducting HgBa ₂ CuO ₄ ± δ . Physical Review B, 2018, 98, .	3.2	30
15	Hole pocket ϵ -driven superconductivity and its universal features in the electron-doped cuprates. Science Advances, 2019, 5, eaap7349.	10.3	30
16	Percolative nature of the direct-current paraconductivity in cuprate superconductors. Npj Quantum Materials, 2018, 3, .	5.2	29
17	Two Ising-like magnetic excitations in a single-layer cuprate superconductor. Nature Physics, 2012, 8, 404-410.	16.7	28
18	Perpendicular magnetic anisotropy via strain-engineered oxygen vacancy ordering in epitaxial HgBa ₂ CuO ₄ ± δ . Physical Review B, 2018, 98, .	2.4	28

#	ARTICLE	IF	CITATIONS
19	Hidden Fermi-liquid Charge Transport in the Antiferromagnetic Phase of the Electron-Doped Cuprate Superconductors. <i>Physical Review Letters</i> , 2016, 117, 197001.	7.8	26
20	Wide-voltage-window reversible control of electronic transport in electrolyte-gated epitaxial BaSnO_3 <i>Physical Review Materials</i> , 2019, 3, .	2.4	20
21	Evidence for a universal Fermi-liquid scattering rate throughout the phase diagram of the copper-oxide superconductors. <i>New Journal of Physics</i> , 2019, 21, 113007.	2.9	19
22	Universal precursor of superconductivity in the cuprates. <i>Physical Review B</i> , 2019, 99, .	3.2	18
23	High-Energy Anomaly in the Angle-Resolved Photoemission Spectra of Nd_2CuO_4 . <i>Physical Review Letters</i> , 2014, 113, 137001.	7.8	15
24	Unusual Dynamic Charge Correlations in Simple-Tetragonal $\text{HgBa}_2\text{CuO}_6$. <i>Physical Review X</i> , 2020, 10, .	8.9	15
25	and $\text{HgBa}_2\text{CuO}_6$ <i>Physical Review Materials</i> , 2018, 2, .	2.4	7
26	Soft x-ray absorption spectroscopy and magnetic circular dichroism as operando probes of complex oxide electrolyte gate transistors. <i>Applied Physics Letters</i> , 2020, 116, 201905.	3.3	5
27	Doping-dependent phonon anomaly and charge-order phenomena in the $\text{HgBa}_2\text{CuO}_6$ and Decomposition of $\text{HgBa}_2\text{CuO}_6$	3.2	4
28	$\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$	2.4	2
29	In Situ Observation of Phase Separation in High-Temperature Superconductor $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. <i>Microscopy and Microanalysis</i> , 2017, 23, 1680-1681.	0.4	0