

Yu He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7384349/publications.pdf>

Version: 2024-02-01

34
papers

2,257
citations

331670

21
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

2810
citing authors

#	ARTICLE	IF	CITATIONS
1	Unconventional spectral signature of Tc in a pure d-wave superconductor. Nature, 2022, 601, 562-567.	27.8	8
2	Short-Range Nematic Fluctuations in SrTiO_3 . Physical Review Letters, 2021, 126, 107001.	11.1	12
3	Angle-resolved photoemission studies of quantum materials. Reviews of Modern Physics, 2021, 93, .	45.6	230
4	Observation of topological superconductivity in a stoichiometric transition metal dichalcogenide 2M-WS2. Nature Communications, 2021, 12, 2874.	12.8	43
5	Structural and magnetic transitions in the planar antiferromagnet $\text{BaO}_{1-x}\text{F}_x$. Physical Review B, 2021, 103, .	3.2	3
6	Superconducting Fluctuations in Overdoped $\text{Bi}_2\text{Sr}_2\text{CuO}_8$. Physical Review X, 2021, 11, .	8.9	20
7	Emergence of quasiparticles in a doped Mott insulator. Communications Physics, 2020, 3, .	5.3	8
8	Metallic surface states in a correlated d-electron topological Kondo insulator candidate FeSb2. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15409-15413.	7.1	15
9	Super resolution convolutional neural network for feature extraction in spectroscopic data. Review of Scientific Instruments, 2020, 91, 033905.	1.3	15
10	Mode-Selective Coupling of Coherent Phonons to the Bi2212 Electronic Band Structure. Physical Review Letters, 2019, 122, 176403.	7.8	29
11	Fermi surface reconstruction in electron-doped cuprates without antiferromagnetic long-range order. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3449-3453.	7.1	32
12	Incoherent strange metal sharply bounded by a critical doping in Bi2212. Science, 2019, 366, 1099-1102.	12.6	86
13	Nematic Energy Scale and the Missing Electron Pocket in FeSe. Physical Review X, 2019, 9, .	8.9	66
14	Rapid change of superconductivity and electron-phonon coupling through critical doping in Bi-2212. Science, 2018, 362, 62-65.	12.6	98
15	Spectral Evidence for Emergent Order in BaBiO_3 . Persistent low-energy phonon broadening near the charge-order q vector in the bilayer cuprate $\text{Bi}_2\text{Sr}_2\text{CuO}_8$. Physical Review B, 2018, 98, .	7.8	11
16	Persistent low-energy phonon broadening near the charge-order q vector in the bilayer cuprate $\text{Bi}_2\text{Sr}_2\text{CuO}_8$. Physical Review B, 2018, 98, .	3.2	22
17	Dispersive charge density wave excitations in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. Nature Physics, 2017, 13, 952-956.	16.7	101
18	Large thermopower from dressed quasiparticles in the layered cobaltates and rhodates. Physical Review B, 2017, 96, .	3.2	11

#	ARTICLE	IF	CITATIONS
19	Revealing the Coulomb interaction strength in a cuprate superconductor. <i>Physical Review B</i> , 2017, 96, .	3.2	19
20	Visualizing dispersive features in 2D image via minimum gradient method. <i>Review of Scientific Instruments</i> , 2017, 88, 073903.	1.3	16
21	Raman and fluorescence characteristics of resonant inelastic X-ray scattering from doped superconducting cuprates. <i>Scientific Reports</i> , 2016, 6, 19657.	3.3	32
22	Invited Article: High resolution angle resolved photoemission with tabletop 11 eV laser. <i>Review of Scientific Instruments</i> , 2016, 87, 011301.	1.3	51
23	Distinct Electronic Structure for the Extreme Magnetoresistance in YSb. <i>Physical Review Letters</i> , 2016, 117, 267201.	7.8	77
24	Inequivalence of Single-Particle and Population Lifetimes in a Cuprate Superconductor. <i>Physical Review Letters</i> , 2015, 114, 247001.	7.8	49
25	Spectroscopic evidence for negative electronic compressibility in a quasi-three-dimensional spin-orbit correlated metal. <i>Nature Materials</i> , 2015, 14, 577-582.	27.5	43
26	Direct spectroscopic evidence for phase competition between the pseudogap and superconductivity in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . <i>Nature Materials</i> , 2015, 14, 37-42.	27.5	92
27	Fermi Surface and Pseudogap Evolution in a Cuprate Superconductor. <i>Science</i> , 2014, 344, 608-611.	12.6	130
28	Charge Order Driven by Fermi-Arc Instability in Bi ₂ Sr ₂ LaCu ₂ O _{8+δ} . <i>Science</i> , 2014, 343, 390-392.	12.6	512
29	Electron spin resonance in EuFe ₂ As ₂ single crystals. <i>Physical Review B</i> , 2010, 81, .	7.8	213
30	Evidence for competing magnetic and superconducting phases in superconducting Eu _{1-x} Sr _x Fe _{2-y} Co _y As ₂ single crystals. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 235701.	1.8	21
31	Quantum Criticality and Nodal Superconductivity in the FeAs-Based Superconductor KFe ₂ As ₂ . <i>Physical Review Letters</i> , 2010, 104, 087005.	7.8	213
32	Structure and Physical Properties of the Layered Pnictide-Oxides: (SrF) ₂ Ti ₂ Pn ₂ O (Pn = As, Sb) and (SmO) ₂ Ti ₂ Sb ₂ O. <i>Chemistry of Materials</i> , 2010, 22, 1503-1508.	6.7	50
33	Evidence for local moments by electron spin resonance study of polycrystalline LaFeAsO _{1-x} F _x (x=0 and 1). <i>Journal of Applied Physics</i> , 2009, 105, 073903.	1.0	784314
34	Temperature profile for glacial ice at the South Pole: Implications for life in a nearby subglacial lake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7844-7847.	7.1	91