Utpal Chatterjee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8655815/publications.pdf

Version: 2024-02-01

25 papers	1,453 citations	516710 16 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	1412 citing authors

#	Article	IF	Citations
1	Coupled electronic and magnetic excitations in the cuprates and their role in the superconducting transition. Communications Physics, 2022, 5, .	5.3	3
2	Denoising and feature extraction in photoemission spectra with variational auto-encoder neural networks. Review of Scientific Instruments, 2022, 93, .	1.3	1
3	Metal-to-insulator transition in Pt-doped TiSe2 driven by emergent network of narrow transport channels. Npj Quantum Materials, 2021, 6, .	5.2	10
4	Evidence for pseudoâ€“Jahn-Teller distortions in the charge density wave phase of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext>â^’</mml:mtext></mml:mrow></mml:math>TiSe₂. Physical Review B, 2020, 101, .	3.2	25
5	Spectroscopic fingerprints of many-body renormalization in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext>â^’</mml:mtext></mml:mrow></mml:math>TiSe₂. Physical Review B, 2019, 100, .	3.2	8
6	Short-range charge density wave order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â^’</mml:mtext></mml:mrow></mml:math><mml:mi mathvariant="normal">T</mml:mi><mml:mrow><mml:mi mathvariant="normal">a</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow>. Physical Review B, 2019, 99, .	3.2	33
7	Spectroscopic signature of moment-dependent electronâ€“phonon coupling in 2H-TaS₂. Journal of Materials Chemistry C, 2017, 5, 11310-11316.	5.5	17
8	Orbital selectivity causing anisotropy and particle-hole asymmetry in the charge density wave gap of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â^’</mml:mtext></mml:mrow></mml:math>TaSe₂. Physical Review B, 2017, 96, .	3.2	18
9	Spectroscopic evidence for temperature-dependent convergence of light- and heavy-hole valence bands of PbQ (Q = Te, Se, S). Europhysics Letters, 2017, 117, 27006.	2.0	11
10	Magnetic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NiS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	3.2	19
11	Pairing in a dry Fermi sea. Nature Communications, 2016, 7, 11875.	12.8	24
12	Emergence of coherence in the charge-density wave state of 2H-NbSe2. Nature Communications, 2015, 6, 6313.	12.8	123
13	Effect of the pseudogap on the transition temperature in the cuprates and implications for its origin. Nature Physics, 2014, 10, 357-360.	16.7	52
14	Universal features in the photoemission spectroscopy of high-temperature superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17774-17777.	7.1	12
15	Electronic phase diagram of high-temperature copper oxide superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9346-9349.	7.1	64
16	Observation of a d-wave nodal liquid in highly underdoped Bi2Sr2CaCu2O8+Î´. Nature Physics, 2010, 6, 99-103.	16.7	71
17	Evidence for Pairing above the Transition Temperature of Cuprate Superconductors from the Electronic Dispersion in the Pseudogap Phase. Physical Review Letters, 2008, 101, 137002.	7.8	118
18	Dynamic spin-response function of the high-temperatureBi2Sr2CaCu2O8+Î´superconductor from angle-resolved photoemission spectra. Physical Review B, 2007, 75, .	3.2	15

#	Article	IF	Citations
19	Anomalous dispersion in the autocorrelation of angle-resolved photoemission spectra of high-temperature<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi	3.2	14
20	Protected Nodes and the Collapse of Fermi Arcs in High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>Cuprate Superconductors. Physical Review Letters, 2007, 99, 157001.	7.8	137
21	Modeling the Fermi arc in underdoped cuprates. Physical Review B, 2007, 76, .	3.2	130
22	Nondispersive Fermi Arcs and the Absence of Charge Ordering in the Pseudogap Phase ofBi2Sr2CaCu2O8+Î´. Physical Review Letters, 2006, 96, 107006.	7.8	75
23	Evolution of the pseudogap from Fermi arcs to the nodal liquid. Nature Physics, 2006, 2, 447-451.	16.7	393
24	Microwave localization due to defects in the arrays of dielectric cylinders: Multiple scattering approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 353, 76-81.	2.1	1
25	Momentum anisotropy of the scattering rate in cuprate superconductors. Physical Review B, 2005, 71, .	3.2	84