

# Utpal Chatterjee

## List of Publications by Year in descending order

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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	Evolution of the pseudogap from Fermi arcs to the nodal liquid. <i>Nature Physics</i> , 2006, 2, 447-451.	16.7	393
2	Protected Nodes and the Collapse of Fermi Arcs in High- $\text{Bi}_2\text{Sr}_2\text{Ca}\text{Cu}_2\text{O}_8+\tilde{\text{I}}$ . <i>Physical Review Letters</i> , 2007, 99, 157001.	7.8	137
3	Modeling the Fermi arc in underdoped cuprates. <i>Physical Review B</i> , 2007, 76, .	3.2	130
4	Emergence of coherence in the charge-density wave state of 2H-NbSe <sub>2</sub> . <i>Nature Communications</i> , 2015, 6, 6313.	12.8	123
5	Evidence for Pairing above the Transition Temperature of Cuprate Superconductors from the Electronic Dispersion in the Pseudogap Phase. <i>Physical Review Letters</i> , 2008, 101, 137002.	7.8	118
6	Momentum anisotropy of the scattering rate in cuprate superconductors. <i>Physical Review B</i> , 2005, 71, .	3.2	84
7	Nondispersive Fermi Arcs and the Absence of Charge Ordering in the Pseudogap Phase of $\text{Bi}_2\text{Sr}_2\text{Ca}\text{Cu}_2\text{O}_8+\tilde{\text{I}}$ . <i>Physical Review Letters</i> , 2006, 96, 107006.	7.8	75
8	Observation of a d-wave nodal liquid in highly underdoped $\text{Bi}_2\text{Sr}_2\text{Ca}\text{Cu}_2\text{O}_8+\tilde{\text{I}}$ . <i>Nature Physics</i> , 2010, 6, 99-103.	16.7	71
9	Electronic phase diagram of high-temperature copper oxide superconductors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9346-9349.	7.1	64
10	Effect of the pseudogap on the transition temperature in the cuprates and implications for its origin. <i>Nature Physics</i> , 2014, 10, 357-360.	16.7	52
11	Short-range charge density wave order in $\text{Bi}_2\text{Sr}_2\text{Ca}\text{Cu}_2\text{O}_8+\tilde{\text{I}}$ . <i>Physical Review B</i> , 2010, 82, 024511.	3.2	33
12	Evidence for pseudo-Jahn-Teller distortions in the charge density wave phase of $\text{Bi}_2\text{Sr}_2\text{Ca}\text{Cu}_2\text{O}_8+\tilde{\text{I}}$ . <i>Physical Review B</i> , 2020, 101, .	12.8	25
13	Pairing in a dry Fermi sea. <i>Nature Communications</i> , 2016, 7, 11875.	12.8	24
14	Magnetic structure of $\text{NiS}$ . <i>Physical Review B</i> , 2016, 93, .	12.8	19
15	Orbital selectivity causing anisotropy and particle-hole asymmetry in the charge density wave gap of $\text{Bi}_2\text{Sr}_2\text{Ca}\text{Cu}_2\text{O}_8+\tilde{\text{I}}$ . <i>Physical Review B</i> , 2017, 96, .	3.2	18
16	Spectroscopic signature of moment-dependent electron-phonon coupling in 2H-TaS <sub>2</sub> . <i>Journal of Materials Chemistry C</i> , 2017, 5, 11310-11316.	5.5	17
17	Dynamic spin-response function of the high-temperature $\text{Bi}_2\text{Sr}_2\text{Ca}\text{Cu}_2\text{O}_8+\tilde{\text{I}}$ superconductor from angle-resolved photoemission spectra. <i>Physical Review B</i> , 2007, 75, 155111.	3.2	15
18	Anomalous dispersion in the autocorrelation of angle-resolved photoemission spectra of high-temperature $\text{Bi}_2\text{Sr}_2\text{Ca}\text{Cu}_2\text{O}_8+\tilde{\text{I}}$ . <i>Physical Review B</i> , 2007, 75, 155112.	3.2	14

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19	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
20	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
21	Metal-to-insulator transition in Pt-doped TiSe <sub>2</sub> driven by emergent network of narrow transport channels. Npj Quantum Materials, 2021, 6, .	5.2	10
22	Spectroscopic fingerprints of many-body renormalization in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle / \text{mml:mn} \rangle \langle \text{mml:mi} \rangle T \langle / \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{\alpha}^* \langle / \text{mml:mtext} \rangle \langle / \text{mml:math} \rangle$ . Physical Review B, 2019, 100, .		
23	Coupled electronic and magnetic excitations in the cuprates and their role in the superconducting transition. Communications Physics, 2022, 5, .	5.3	3
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	Denoising and feature extraction in photoemission spectra with variational auto-encoder neural networks. Review of Scientific Instruments, 2022, 93, .	1.3	1