

Nandini Trivedi

List of Publications by Year in descending order

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73
papers

4,209
citations

126907

33
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106344

65
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73
all docs

73
docs citations

73
times ranked

5129
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic evidence for a type II Weyl semimetallic state in MoTe ₂ . Nature Materials, 2016, 15, 1155-1160.	27.5	437
2	Observation of antiferromagnetic correlations in the Hubbard model with ultracold atoms. Nature, 2015, 519, 211-214.	27.8	307
3	Inhomogeneous pairing in highly disordered s-wave superconductors. Physical Review B, 2001, 65, .	3.2	273
4	Observation of spatial charge and spin correlations in the 2D Fermi-Hubbard model. Science, 2016, 353, 1260-1264.	12.6	254
5	Role of Spatial Amplitude Fluctuations in Highly Disordered s-Wave Superconductors. Physical Review Letters, 1998, 81, 3940-3943.	7.8	237
6	Single- and two-particle energy gaps across the disorder-driven superconductor-insulator transition. Nature Physics, 2011, 7, 884-889.	16.7	177
7	Temperature-Induced Lifshitz Transition in WTe_2 . Physical Review Letters, 2015, 115, 166602.	7.8	176
8	The Higgs mode in disordered superconductors close to a quantum phase transition. Nature Physics, 2015, 11, 188-192.	16.7	137
9	Fundamental Spin Interactions Underlying the Magnetic Anisotropy in the Kitaev Ferromagnet CrI_3 . Physical Review Letters, 2020, 124, 017201.	7.8	132
10	Emergence of coherence in the charge-density wave state of 2H-NbSe ₂ . Nature Communications, 2015, 6, 6313.	12.8	123
11	Spin-imbalance in a 2D Fermi-Hubbard system. Science, 2017, 357, 1385-1388.	12.6	118
12	Superconductor-insulator transition in a disordered electronic system. Physical Review B, 1996, 54, R3756-R3759.	3.2	113
13	Fermions in 2D Optical Lattices: Temperature and Entropy Scales for Observing Antiferromagnetism and Superfluidity. Physical Review Letters, 2010, 104, 066406.	7.8	106
14	Theory of Kerr and Faraday rotations and linear dichroism in Topological Weyl Semimetals. Scientific Reports, 2015, 5, 12683.	3.3	93
15	Dirac dispersion generates unusually large Nernst effect in Weyl semimetals. Physical Review B, 2018, 97, .	3.2	83
16	Sharp peaks in the momentum distribution of bosons in optical lattices in the normal state. Nature Physics, 2008, 4, 617-621.	16.7	79
17	Weak Mott insulators on the triangular lattice: Possibility of a gapless nematic quantum spin liquid. Physical Review B, 2010, 81, .	3.2	78
18	Ferromagnetism in the upper branch of the Feshbach resonance and the hard-sphere Fermi gas. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 51-54.	7.1	78

#	ARTICLE	IF	CITATIONS
19	Minimal models for topological Weyl semimetals. Physical Review B, 2017, 95, .	3.2	77
20	Strong-coupling expansion for the momentum distribution of the Bose-Hubbard model with benchmarking against exact numerical results. Physical Review A, 2009, 79, .	2.5	74
21	Spectral weight redistribution in strongly correlated bosons in optical lattices. Physical Review B, 2008, 77, .	3.2	71
22	Strong correlations make high-temperature superconductors robust against disorder. Nature Physics, 2008, 4, 762-765.	16.7	63
23	Theory of half-metallic double perovskites. I. Double exchange mechanism. Physical Review B, 2013, 87, .	3.2	59
24	Distinct magneto-Raman signatures of spin-flip phase transitions in CrI ₃ . Nature Communications, 2020, 11, 3879.	12.8	59
25	Compressibility of a Fermionic Mott Insulator of Ultracold Atoms. Physical Review Letters, 2015, 114, 070403.	7.8	53
26	Emergence of a Novel Pseudogap Metallic State in a Disordered 2D Mott Insulator. Physical Review Letters, 2014, 112, .	7.8	51
27	Magnetic field-induced intermediate quantum spin liquid with a spinon Fermi surface. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12199-12203.	7.1	49
28	Dynamical Conductivity across the Disorder-Tuned Superconductor-Insulator Transition. Physical Review X, 2014, 4, .	8.9	47
29	Theory of half-metallic double perovskites. II. Effective spin Hamiltonian and disorder effects. Physical Review B, 2013, 87, .	3.2	45
30	Finite-temperature study of bosons in a two-dimensional optical lattice. Physical Review B, 2011, 84, .	3.2	43
31	Theory of Strain-Controlled Magnetotransport and Stabilization of the Ferromagnetic Insulating Phase in Manganite Thin Films. Physical Review Letters, 2013, 110, 157201.	7.8	39
32	High antiferromagnetic transition temperature of the honeycomb compound SrRu_2O_6 . Physical Review B, 2015, 92, .	3.2	37
33	Thermal chiral anomaly in the magnetic-field-induced ideal Weyl phase of Bi_2S_3 . Nature Materials, 2021, 20, 1525-1531.	27.5	34
34	Signatures of magnetic-field-driven quantum phase transitions in the entanglement entropy and spin dynamics of the Kitaev honeycomb model. Physical Review B, 2019, 99, .	3.2	31
35	Effect of Coulomb interactions on the disorder-driven superconductor-insulator transition. Physical Review B, 2014, 89, .	3.2	27
36	Magnetism out of antisite disorder in the Ba_2Sb compound. Physical Review B, 2017, 96, .	3.2	25

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37	Disorder induced power-law gaps in an insulator-metal Mott transition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11198-11202.	7.1	24
38	Superconductor-Insulator Transition and Fermi-Bose Crossovers. Physical Review X, 2016, 6, .	8.9	23
39	Topological Magnons with Nodal-Line and Triple-Point Degeneracies: Implications for Thermal Hall Effect in Pyrochlore Iridates. Physical Review Letters, 2020, 125, 047203.	7.8	23
40	Entanglement and corner Hamiltonian spectra of integrable open spin chains. Physical Review B, 2016, 94, .	3.2	20
41	Magnetotransport in Fe-intercalated TaTe_2 : Comparison between TaTe_2 and TaTe_3 . Physical Review B, 2019, 99, .	3.2	18
42	Double-exchange model for noninteracting electron spins coupled to a lattice of classical spins: Phase diagram at zero temperature. Physical Review B, 2005, 72, .	3.2	17
43	SPIN-ORBIT COUPLING IN OPTICAL LATTICES. Annual Review of Cold Atoms and Molecules, 2015, , 135-179.	2.8	16
44	Fragile singlet ground-state magnetism in the pyrochlore osmates $\text{A}_2\text{Os}_2\text{O}_7$ ($\text{A} = \text{Bi}, \text{Sb}, \text{Ta}$). Physical Review B, 2016, 93, .	3.2	14
45	Strain-induced topological transition in SrRu_2O_7 . Physical Review B, 2016, 93, .	3.2	14
46	Fermi arc mediated entropy transport in topological semimetals. Physical Review B, 2018, 97, .	3.2	14
47	Imaging quantum fluctuations near criticality. Nature Physics, 2018, 14, 1205-1210.	16.7	14
48	Localized-itinerant dichotomy and unconventional magnetism in SrRu_2O_6 . Scientific Reports, 2017, 7, 11742.	3.3	13
49	Particle-Hole Character of the Higgs and Goldstone Modes in Strongly Interacting Lattice Bosons. Physical Review Letters, 2018, 120, 073201.	7.8	10
50	Metal-to-insulator transition in Pt-doped TiSe_2 driven by emergent network of narrow transport channels. Npj Quantum Materials, 2021, 6, .	5.2	10
51	Defect states and disorder in charge transport in semiconductor nanowires. Journal of Applied Physics, 2013, 114, .	2.5	9
52	Zhou et al. Reply. Physical Review Letters, 2010, 105, .	7.8	8
53	Two-particle spectral function for disordered s-wave superconductors: Local maps and collective modes. Physical Review B, 2020, 101, .	3.2	8
54	Local Spectroscopies Reveal Percolative Metal in Disordered Mott Insulators. Physical Review Letters, 2020, 124, 137402.	7.8	7

#	ARTICLE	IF	CITATIONS
73	Topological order in Mott insulators. <i>Annals of Physics</i> , 2021, , 168636.	2.8	0