

Ipsita Mandal

List of Publications by Year in descending order

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56
papers

1,558
citations

361413
20
h-index

315739
38
g-index

60
all docs

60
docs citations

60
times ranked

871
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman response and shear viscosity in the non-Fermi liquid phase of Luttinger semimetals. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 275604.	1.8	5
2	Circular dichroism as a probe for topology in three-dimensional semimetals. <i>Physical Review B</i> , 2022, 105, .	3.2	12
3	Magnus Hall effect in three-dimensional topological semimetals. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	6
4	Zero sound and plasmon modes for non-Fermi liquids. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 447, 128292.	2.1	6
5	Correlated insulators in twisted bilayer graphene. <i>Physical Review B</i> , 2021, 103, .	3.2	6
6	Tunneling of multi-Weyl semimetals through a potential barrier under the influence of magnetic fields. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 399, 127293.	2.1	15
7	Transport in the non-Fermi liquid phase of isotropic Luttinger semimetals. <i>Physical Review B</i> , 2021, 103, .	3.2	16
8	Floquet scattering of quadratic band-touching semimetals through a time-periodic potential well. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 295502.	1.8	12
9	Robust quantum transport at particle-hole symmetry. <i>Europhysics Letters</i> , 2021, 135, 17001.	2.0	8
10	Thermoelectric and thermal properties of the weakly disordered non-Fermi liquid phase of Luttinger semimetals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 407, 127470.	2.1	13
11	Symmetry-breaking signatures of multiple Majorana zero modes in one-dimensional spin-triplet superconductors. <i>Physical Review B</i> , 2021, 104, .	3.2	3
12	Robust marginal Fermi liquid in birefringent semimetals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 418, 127707.	2.1	10
13	Symmetry and Higher-Order Exceptional Points. <i>Physical Review Letters</i> , 2021, 127, 186601.	7.8	85
14	Tunneling in Fermi systems with quadratic band crossing points. <i>Annals of Physics</i> , 2020, 419, 168235.	2.8	15
15	Effect of Interactions on the Quantization of the Chiral Photocurrent for Double-Weyl Semimetals. <i>Symmetry</i> , 2020, 12, 919.	2.2	16
16	Transmission in pseudospin-1 and pseudospin-3/2 semimetals with linear dispersion through scalar and vector potential barriers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126666.	2.1	14
17	Sign of viscous magnetoresistance in electron fluids. <i>Physical Review B</i> , 2020, 101, .	3.2	7
18	Order parameter dynamics of the non-linear sigma model in the large N limit. <i>European Physical Journal B</i> , 2020, 93, 1.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Thermopower in an anisotropic two-dimensional Weyl semimetal. <i>Physical Review B</i> , 2020, 101, .	3.2	21
20	Quench, thermalization, and residual entropy across a non-Fermi liquid to Fermi liquid transition. <i>Physical Review Research</i> , 2020, 2, .	3.6	23
21	Critical Fermi surfaces in generic dimensions arising from transverse gauge field interactions. <i>Physical Review Research</i> , 2020, 2, .	3.6	11
22	Electric field response in breathing pyrochlores. <i>European Physical Journal B</i> , 2019, 92, 1.	1.5	3
23	Search for plasmons in isotropic Luttinger semimetals. <i>Annals of Physics</i> , 2019, 406, 173-185.	2.8	10
24	Emergence of topological Mott insulators in proximity of quadratic band touching points. <i>Condensed Matter Physics</i> , 2019, 22, 13701.	0.7	12
25	Critical scaling of the mutual information in two-dimensional disordered Ising models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 043301.	2.3	7
26	Majorana Kramers pairs in Rashba double nanowires with interactions and disorder. <i>Physical Review B</i> , 2018, 97, .	3.2	36
27	Interplay of Coulomb interactions and disorder in three-dimensional quadratic band crossings without time-reversal symmetry and with unequal masses for conduction and valence bands. <i>Physical Review B</i> , 2018, 97, .	3.2	31
28	Fate of superconductivity in three-dimensional disordered Luttinger semimetals. <i>Annals of Physics</i> , 2018, 392, 179-195.	2.8	26
29	Non-Fermi liquid at the FFLO quantum critical point. <i>Physical Review B</i> , 2018, 98, .	3.2	14
30	Scaling behaviour and superconducting instability in anisotropic non-Fermi liquids. <i>Annals of Physics</i> , 2017, 376, 89-107.	2.8	18
31	Majorana fermions in finite-size strips with in-plane magnetic fields. <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	13
32	Cold Atoms in U(3) Gauge Potentials. <i>Condensed Matter</i> , 2016, 1, 2.	1.8	1
33	Super-GCA from $\langle \langle \mathcal{N} \rangle \rangle = \langle \langle \mathcal{N}^2 \rangle \rangle - \langle \mathcal{N} \rangle^2$ <i>Elementary Particle and High-Energy Physics</i> , 2016, 754, 195-200.	1.0784314	1
34	Superconducting instability in non-Fermi liquids. <i>Physical Review B</i> , 2016, 94, .	3.2	28
35	Geometrical mutual information at the tricritical point of the two-dimensional Blume-€Capel model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 073105.	2.3	3
36	Hyperscaling violation at the Ising-nematic quantum critical point in two-dimensional metals. <i>Physical Review B</i> , 2016, 94, .	3.2	38

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37	UV/IR mixing in non-Fermi liquids: higher-loop corrections in different energy ranges. European Physical Journal B, 2016, 89, 1.	1.5	17
38	Exceptional point description of one-dimensional chiral topological superconductors/superfluids in BDI class. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 79, 180-187.	2.7	12
39	Counting Majorana bound states using complex momenta. Condensed Matter Physics, 2016, 19, 33703.	0.7	7
40	Ultraviolet/infrared mixing in non-Fermi liquids. Physical Review B, 2015, 92, .	3.2	46
41	Exceptional points for chiral Majorana fermions in arbitrary dimensions. Europhysics Letters, 2015, 110, 67005.	2.0	18
42	Pairing in half-filled Landau level. Annals of Physics, 2014, 351, 727-738.	2.8	20
43	Higher angular momentum pairing from transverse gauge interactions. Physical Review B, 2013, 88, .	3.2	18
44	Amplitude mode of the d -density-wave state and its relevance to high- T_c cuprates. Physical Review B, 2013, 87, .	3.2	5
45	Majorana zero modes in a quantum Ising chain with longer-ranged interactions. Physical Review B, 2012, 85, .	3.2	153
46	Logarithmic corrections to $\mathcal{N} = 4$ and $\mathcal{N} = 8$ black hole entropy: a one loop test of quantum gravity. Journal of High Energy Physics, 2011, 2011, 1.	4.7	87
47	Black Hole Microstate Counting and its Macroscopic Counterpart. Nuclear Physics, Section B, Proceedings Supplements, 2011, 216, 147-168.	0.4	35
48	Supersymmetry, localization and quantum entropy function. Journal of High Energy Physics, 2010, 2010, 1.	4.7	40
49	GCA in 2d. Journal of High Energy Physics, 2010, 2010, 1.	4.7	132
50	Supersymmetric extension of GCA in 2d. Journal of High Energy Physics, 2010, 2010, 1.	4.7	30
51	Black hole microstate counting and its macroscopic counterpart. Classical and Quantum Gravity, 2010, 27, 214003.	4.0	31
52	Black hole hair removal. Journal of High Energy Physics, 2009, 2009, 091-091.	4.7	42
53	On representations and correlation functions of Galilean conformal algebras. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 675, 393-397.	4.1	94
54	Supersymmetric extension of Galilean conformal algebras. Physical Review D, 2009, 80, .	4.7	31

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55	Conformal nonlinear fluid dynamics from gravity in arbitrary dimensions. Journal of High Energy Physics, 2008, 2008, 116-116.	4.7	155
56	Critical properties of spherically symmetric black hole accretion in Schwarzschild geometry. Monthly Notices of the Royal Astronomical Society, 2007, 378, 1400-1406.	4.4	17