

Arijit Saha

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

331
citations

12
h-index

15
g-index

41
ext. papers

505
ext. citations

3.2
avg, IF

4.04
L-index

#	Paper	IF	Citations
35	Conductance, valley and spin polarizations, and tunneling magnetoresistance in ferromagnetic-normal-ferromagnetic junctions of silicene. <i>Physical Review B</i> , 2015 , 92,	3.3	38
34	Transport signatures of fractional fermions in Rashba nanowires. <i>Physical Review Letters</i> , 2014 , 112, 196803	3.3	33
33	Spintronics with NSN junction of one-dimensional quantum wires: A study of pure spin current and magnetoresistance. <i>Europhysics Letters</i> , 2008 , 81, 67001	1.6	17
32	Renormalization group study of transport through a superconducting junction of multiple one-dimensional quantum wires. <i>Physical Review B</i> , 2008 , 77,	3.3	16
31	Probing decoupled edge states in a zigzag phosphorene nanoribbon via RKKY exchange interaction. <i>Physical Review B</i> , 2018 , 97,	3.3	15
30	Quantum charge pumping through fractional fermions in charge density modulated quantum wires and Rashba nanowires. <i>Physical Review B</i> , 2014 , 90,	3.3	14
29	Thermoelectric properties of a ferromagnet-superconductor hybrid junction: Role of interfacial Rashba spin-orbit interaction. <i>Physical Review B</i> , 2017 , 96,	3.3	14
28	Quantum charge pumping through resonant crossed Andreev reflection in a superconducting hybrid junction of silicene. <i>Physical Review B</i> , 2017 , 95,	3.3	13
27	Enhancement of crossed Andreev reflection in a normal-superconductor-normal junction made of thin topological insulator. <i>Physical Review B</i> , 2017 , 96,	3.3	13
26	Fingerprints of tilted Dirac cones on the RKKY exchange interaction in 8-Pmmn borophene. <i>Physical Review B</i> , 2019 , 99,	3.3	13
25	Higher order topological insulator via periodic driving. <i>Physical Review B</i> , 2020 , 101,	3.3	13
24	Thermal conductance by Dirac fermions in a normal-insulator-superconductor junction of silicene. <i>Physical Review B</i> , 2016 , 94,	3.3	12
23	Driven conductance of an irradiated semi-Dirac material. <i>Physical Review B</i> , 2018 , 98,	3.3	12
22	Geometric quantum noise of spin. <i>Physical Review Letters</i> , 2015 , 114, 176806	7.4	11
21	Resonant tunneling through superconducting double barrier structures in graphene. <i>Physical Review B</i> , 2010 , 82,	3.3	10
20	Adiabatic charge pumping through a dot at the junction of N quantum wires. <i>Physical Review B</i> , 2007 , 75,	3.3	10
19	Quantum charge pumping through a superconducting double barrier structure in graphene. <i>Physical Review B</i> , 2011 , 83,	3.3	8

18	A quantum dot close to Stoner instability: The role of the Berry phase. <i>Annals of Physics</i> , 2012 , 327, 2543-2559	3.3	7
17	Systematic stability analysis of the renormalization group flow for the normal-superconductor-normal junction of Luttinger liquid wires. <i>Physical Review B</i> , 2009 , 79,	3.3	7
16	Transport and noise properties of a normal metal-superconductor-normal metal junction with mixed singlet and chiral triplet pairings. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 015301	1.8	6
15	Aharonov-Bohm effect in a helical ring with long-range hopping: Effects of Rashba spin-orbit interaction and disorder. <i>Physical Review B</i> , 2016 , 94,	3.3	6
14	Quantized charge pumping in a superconducting double-barrier structure: Nontrivial correlations due to proximity effect. <i>Physical Review B</i> , 2008 , 78,	3.3	5
13	Floquet generation of a second-order topological superconductor. <i>Physical Review B</i> , 2021 , 103,	3.3	5
12	Persistent current of relativistic electrons on a Dirac ring in presence of impurities. <i>European Physical Journal B</i> , 2014 , 87, 1	1.2	4
11	ELECTRON-ELECTRON INTERACTION EFFECTS ON TRANSPORT THROUGH MESOSCOPIC SUPERCONDUCTING HYBRID JUNCTIONS. <i>International Journal of Modern Physics B</i> , 2013 , 27, 1330015	1.1	4
10	Amplification of Cooper pair splitting current in a graphene-based Cooper pair beam splitter geometry. <i>Physical Review B</i> , 2017 , 96,	3.3	4
9	Resonant spin transport through a superconducting double-barrier structure. <i>Europhysics Letters</i> , 2009 , 88, 57003	1.6	4
8	Tunneling conductance in normal-insulator-superconductor junctions of silicene. <i>Superlattices and Microstructures</i> , 2018 , 123, 436-446	2.8	4
7	Emerging trends in topological insulators and topological superconductors 2017 , 22, 787-800		3
6	Tailoring metal-insulator transitions and band topology via off-resonant periodic drive in an interacting triangular lattice. <i>Physical Review B</i> , 2020 , 101,	3.3	2
5	Impact of strong correlations on a band topological insulator on the Lieb lattice. <i>Physical Review B</i> , 2019 , 100,	3.3	2
4	Floquet second order topological superconductor based on unconventional pairing. <i>Physical Review B</i> , 2021 , 103,	3.3	2
3	Spin-selective coupling to Majorana zero modes in mixed singlet and triplet superconducting nanowires. <i>Physical Review B</i> , 2018 , 97,	3.3	2
2	Jackiw-Rebbi zero modes in non-uniform topological insulator nanowire. <i>Physical Review B</i> , 2019 , 100,	3.3	1
1	Signatures of interfacial topological chiral modes via RKKY exchange interaction in Dirac and Weyl systems. <i>Physical Review B</i> , 2021 , 103,	3.3	1

