

Sumathi Rao

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

315
citations

933447

10
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

282
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductance, valley and spin polarizations, and tunneling magnetoresistance in ferromagnetic-normal-ferromagnetic junctions of silicene. Physical Review B, 2015, 92, .	3.2	53
2	Proximity-induced superconductivity in Weyl semimetals. Physical Review B, 2014, 90, .	3.2	40
3	Brillouin-Wigner theory for Floquet topological phase transitions in spin-orbit-coupled materials. Physical Review B, 2016, 94, .	3.2	33
4	Chiral nodes and oscillations in the Josephson current in Weyl semimetals. Physical Review B, 2016, 93, .	3.2	31
5	Fingerprints of Majorana Bound States in Aharonov-Bohm Geometry. Physical Review Letters, 2016, 116, 166401.	7.8	28
6	Field Theories in Condensed Matter Physics. Texts and Readings in Physical Sciences, 2001, , .	0.2	28
7	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \hat{\alpha} \langle \text{mml:mtext} \rangle \langle \text{mml:mi} \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \text{transitions in a Josephson junction of an irradiated Weyl semimetal. Physical Review B, 2017, 95, .}$	3.2	20
8	Transport through Andreev bound states in a Weyl semimetal quantum dot. Physical Review B, 2017, 96, .	3.2	13
9	Spin Mode Switching at the Edge of a Quantum Hall System. Physical Review Letters, 2017, 119, 186804.	7.8	10
10	Magnetic flux periodicity in second order topological superconductors. Physical Review B, 2020, 101, .	3.2	10
11	Fermi arc reconstruction at the interface of twisted Weyl semimetals. Physical Review B, 2021, 103, .	3.2	10
12	Curvature function renormalization, topological phase transitions, and multicriticality. Physical Review B, 2020, 102, .	3.2	8
13	Emergence of spin-active channels at a quantum Hall interface. Physical Review B, 2021, 103, .	3.2	6
14	Kohn-Sham density functional theory of Abelian anyons. Physical Review B, 2021, 103, .	3.2	5
15	Time-reversal-broken Weyl semimetal in the Hofstadter regime. SciPost Physics Core, 2022, 5, .	2.8	5
16	Interplay of Floquet Lifshitz transitions and topological transitions in bilayer Dirac materials. Physical Review B, 2018, 98, .	3.2	4
17	Chiral Luttinger liquids in graphene tuned by irradiation. Physical Review B, 2020, 102, .	3.2	3
18	Fabry-Pérot interferometry in Weyl semi-metals. Journal of Physics Condensed Matter, 2019, 31, 045302.	1.8	1

#	ARTICLE	IF	CITATIONS
19	Bulk-edge correspondence and topological phases in periodically driven spin-orbit coupled materials in the low-frequency limit. Journal of Physics Communications, 2020, 4, 075019.	1.2	1
20	dc electrical current generated by upstream neutral modes. Physical Review B, 2022, 105, .	3.2	0