

Pavan R Hosur

List of Publications by Year in descending order

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29
papers

2,999
citations

471061

17
h-index

476904

29
g-index

31
all docs

31
docs citations

31
times ranked

3469
citing authors

#	ARTICLE	IF	CITATIONS
1	Polynomial-time algorithm for studying physical observables in chaotic eigenstates. Physical Review B, 2021, 103, .	1.1	0
2	Fermi Arc Criterion for Surface Majorana Modes in Superconducting Time-Reversal Symmetric Weyl Semimetals. Physical Review Letters, 2021, 127, 187002.	2.9	10
3	Spontaneous time-reversal symmetry breaking without magnetism in an S=1 spin chain. Physical Review B, 2020, 102, .	1.1	1
4	Quasi-flat-band physics in a two-leg ladder model and its relation to magic-angle twisted bilayer graphene. Physical Review B, 2020, 102, .	1.1	17
5	Time-reversal asymmetry without local moments via directional scalar spin chirality. Journal of Physics Condensed Matter, 2020, 32, 255604.	0.7	2
6	Power-Law Temperature Dependence of the Penetration Depth in a Topological Superconductor Due to Surface States. Physical Review Letters, 2020, 124, 067001.	2.9	8
7	Effect of Zeeman coupling on the Majorana vortex modes in iron-based topological superconductors. Physical Review B, 2020, 101, .	1.1	19
8	Possible transport evidence for three-dimensional topological superconductivity in doped \hat{I}^2 -PdBi2. Scientific Reports, 2019, 9, 12504.	1.6	15
9	Irradiated three-dimensional Luttinger semimetal: A factory for engineering Weyl semimetals. Physical Review B, 2018, 97, .	1.1	22
10	Out-of-time-ordered measurements as a probe of quantum dynamics. Physical Review A, 2018, 97, .	1.0	10
11	Larkin-Ovchinnikov state of superconducting Weyl metals: Fundamental differences between restricted and extended pairings in k -space. Physical Review B, 2017, 96, .	1.1	7
12	Type-II Dirac cone and Dirac cone protected by nonsymmorphic symmetry in the carbon-lithium compound C_4Li . Physical Review B, 2017, 96, .	1.1	4
13	Quantum oscillations from generic surface Fermi arcs and bulk chiral modes in Weyl semimetals. Scientific Reports, 2016, 6, 23741.	1.6	68
14	Characterizing eigenstate thermalization via measures in the Fock space of operators. Physical Review E, 2016, 93, 042138.	0.8	12
15	Chaos in quantum channels. Journal of High Energy Physics, 2016, 2016, 1.	1.6	459
16	Elastoconductivity as a probe of broken mirror symmetries. Physical Review B, 2015, 92, .	1.1	4
17	Unified Topological Response Theory For Gapped and Gapless Free Fermions. Physical Review X, 2015, 5, .	2.8	11
18	Tunable circular dichroism due to the chiral anomaly in Weyl semimetals. Physical Review B, 2015, 91, .	1.1	74

#	ARTICLE	IF	CITATIONS
19	Time-reversal-invariant topological superconductivity in doped Weyl semimetals. Physical Review B, 2014, 90, .	1.1	106
20	Crisscrossed stripe order from interlayer tunneling in hole-doped cuprates. Physical Review B, 2014, 90, .	1.1	27
21	Recent developments in transport phenomena in Weyl semimetals. Comptes Rendus Physique, 2013, 14, 857-870.	0.3	636
22	Kerr effect as evidence of gyrotropic order in the cuprates. Physical Review B, 2013, 87, .	1.1	67
23	Charge Transport in Weyl Semimetals. Physical Review Letters, 2012, 108, 046602.	2.9	407
24	Friedel oscillations due to Fermi arcs in Weyl semimetals. Physical Review B, 2012, 86, .	1.1	135
25	Ultracold Atoms in a Tunable Optical Kagome Lattice. Physical Review Letters, 2012, 108, 045305.	2.9	370
26	Circular photogalvanic effect on topological insulator surfaces: Berry-curvature-dependent response. Physical Review B, 2011, 83, .	1.1	196
27	Majorana Modes at the Ends of Superconductor Vortices in Doped Topological Insulators. Physical Review Letters, 2011, 107, 097001.	2.9	153
28	Fermionic Hopf solitons and Berry phase in topological surface superconductors. Physical Review B, 2011, 84, .	1.1	15
29	Chiral topological insulators, superconductors, and other competing orders in three dimensions. Physical Review B, 2010, 81, .	1.1	122