

Utso Bhattacharya

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

502
citations

687363

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all docs

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docs citations

29
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Fermionic Chern insulator from twisted light with linear polarization. <i>Physical Review B</i> , 2022, 105, .	3.2	8
2	Two-dimensional excitons from twisted light and the fate of the photon's orbital angular momentum. <i>Physical Review B</i> , 2022, 105, .	3.2	3
3	Scar states in deconfined Z_2 lattice gauge theories. <i>Physical Review B</i> , 2022, 106, .	3.2	18
4	Topological properties of the long-range Kitaev chain with Aubry-Andr�-Harper modulation. <i>Physical Review Research</i> , 2021, 3, .	3.6	15
5	Tracing non-Abelian anyons via impurity particles. <i>Physical Review B</i> , 2021, 104, .	3.2	8
6	Phonon-Induced Pairing in Quantum Dot Quantum Simulator. <i>Nano Letters</i> , 2021, 21, 9661-9667.	9.1	6
7	One-dimensional quantum many body systems with long-range interactions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 013001.	2.1	25
8	Fractional Angular Momentum and Anyon Statistics of Impurities in Laughlin Liquids. <i>Physical Review Letters</i> , 2020, 125, 136801.	7.8	9
9	Quantum magnetometry using two-stroke thermal machines. <i>New Journal of Physics</i> , 2020, 22, 013024.	2.9	20
10	Dynamical quantum phase transitions in extended toric-code models. <i>Physical Review B</i> , 2019, 100, .	3.2	14
11	Temporal variation in the winding number due to dynamical symmetry breaking and associated transport in a driven Su-Schrieffer-Heeger chain. <i>Physical Review B</i> , 2019, 100, .	3.2	9
12	Fibonacci steady states in a driven integrable quantum system. <i>Physical Review B</i> , 2019, 99, .	3.2	15
13	Critical phase boundaries of static and periodically kicked long-range Kitaev chain. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 174003.	1.8	13
14	Dynamics of edge currents in a linearly quenched Haldane model. <i>Physical Review B</i> , 2018, 97, .	3.2	11
15	Role of topology on the work distribution function of a quenched Haldane model of graphene. <i>Physical Review B</i> , 2018, 98, .	3.2	1
16	Fate of current, residual energy, and entanglement entropy in aperiodic driving of one-dimensional Jordan-Wigner integrable models. <i>Physical Review B</i> , 2018, 98, .	3.2	9
17	Exact results for the Floquet coin toss for driven integrable models. <i>Physical Review B</i> , 2018, 97, .	3.2	13
18	Exploring the possibilities of dynamical quantum phase transitions in the presence of a Markovian bath. <i>Scientific Reports</i> , 2018, 8, 11921.	3.3	17

#	ARTICLE	IF	CITATIONS
19	Topological footprints of the Kitaev chain with long-range superconducting pairings at a finite temperature. <i>Physical Review B</i> , 2018, 97, .	3.2	9
20	Interconnections between equilibrium topology and dynamical quantum phase transitions in a linearly ramped Haldane model. <i>Physical Review B</i> , 2017, 95, .	3.2	40
21	Emergent topology and dynamical quantum phase transitions in two-dimensional closed quantum systems. <i>Physical Review B</i> , 2017, 96, .	3.2	50
22	Quenching in Chern insulators with satellite Dirac points: The fate of edge states. <i>Physical Review B</i> , 2017, 95, .	3.2	21
23	Mixed state dynamical quantum phase transitions. <i>Physical Review B</i> , 2017, 96, .	3.2	75
24	Dynamical merging of Dirac points in the periodically driven Kitaev honeycomb model. <i>European Physical Journal B</i> , 2016, 89, 1.	1.5	8
25	Effects of periodic kicking on dispersion and wave packet dynamics in graphene. <i>Physical Review B</i> , 2016, 93, .	3.2	49
26	Reply to "Comment on "Exploring chaos in the Dicke model using ground-state fidelity and Loschmidt echo"™". <i>Physical Review E</i> , 2015, 91, 036902.	2.1	1
27	Phase transition in the periodically pulsed Dicke model. <i>Physical Review E</i> , 2015, 91, 052129.	2.1	22
28	Exploring chaos in the Dicke model using ground-state fidelity and Loschmidt echo. <i>Physical Review E</i> , 2014, 90, 022920.	2.1	13