

# Utso Bhattacharya

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3088340/publications.pdf>

Version: 2024-02-01

28  
papers

502  
citations

687363

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h-index

677142

22  
g-index

29  
all docs

29  
docs citations

29  
times ranked

340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed state dynamical quantum phase transitions. Physical Review B, 2017, 96, .	3.2	75
2	Emergent topology and dynamical quantum phase transitions in two-dimensional closed quantum systems. Physical Review B, 2017, 96, .	3.2	50
3	Effects of periodic kicking on dispersion and wave packet dynamics in graphene. Physical Review B, 2016, 93, .	3.2	49
4	Interconnections between equilibrium topology and dynamical quantum phase transitions in a linearly ramped Haldane model. Physical Review B, 2017, 95, .	3.2	40
5	One-dimensional quantum many body systems with long-range interactions. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 013001.	2.1	25
6	Phase transition in the periodically pulsed Dicke model. Physical Review E, 2015, 91, 052129.	2.1	22
7	Quenching in Chern insulators with satellite Dirac points: The fate of edge states. Physical Review B, 2017, 95, .	3.2	21
8	Quantum magnetometry using two-stroke thermal machines. New Journal of Physics, 2020, 22, 013024.	2.9	20
9	Scar states in deconfined $Z_2$ lattice gauge theories. Physical Review B, 2022, 106, .	3.2	18
10	Exploring the possibilities of dynamical quantum phase transitions in the presence of a Markovian bath. Scientific Reports, 2018, 8, 11921.	3.3	17
11	Fibonacci steady states in a driven integrable quantum system. Physical Review B, 2019, 99, .	3.2	15
12	Topological properties of the long-range Kitaev chain with Aubry-Andr�-Harper modulation. Physical Review Research, 2021, 3, .	3.6	15
13	Dynamical quantum phase transitions in extended toric-code models. Physical Review B, 2019, 100, .	3.2	14
14	Exploring chaos in the Dicke model using ground-state fidelity and Loschmidt echo. Physical Review E, 2014, 90, 022920.	2.1	13
15	Exact results for the Floquet coin toss for driven integrable models. Physical Review B, 2018, 97, .	3.2	13
16	Critical phase boundaries of static and periodically kicked long-range Kitaev chain. Journal of Physics Condensed Matter, 2019, 31, 174003.	1.8	13
17	Dynamics of edge currents in a linearly quenched Haldane model. Physical Review B, 2018, 97, .	3.2	11
18	Fate of current, residual energy, and entanglement entropy in aperiodic driving of one-dimensional Jordan-Wigner integrable models. Physical Review B, 2018, 98, .	3.2	9

#	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	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
21	Fractional Angular Momentum and Anyon Statistics of Impurities in Laughlin Liquids. <i>Physical Review Letters</i> , 2020, 125, 136801.	7.8	9
22	Dynamical merging of Dirac points in the periodically driven Kitaev honeycomb model. <i>European Physical Journal B</i> , 2016, 89, 1.	1.5	8
23	Tracing non-Abelian anyons via impurity particles. <i>Physical Review B</i> , 2021, 104, .	3.2	8
24	Fermionic Chern insulator from twisted light with linear polarization. <i>Physical Review B</i> , 2022, 105, .	3.2	8
25	Phonon-Induced Pairing in Quantum Dot Quantum Simulator. <i>Nano Letters</i> , 2021, 21, 9661-9667.	9.1	6
26	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
27	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
28	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