

Aditi Mitra

List of Publications by Year in descending order

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57
papers

2,059
citations

257450

24
h-index

233421

45
g-index

58
all docs

58
docs citations

58
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Out-of-equilibrium electrons and the Hall conductance of a Floquet topological insulator. Physical Review B, 2015, 91, .	3.2	195
2	Dissipative Floquet topological systems. Physical Review B, 2014, 90, .	3.2	153
3	Nonequilibrium Quantum Criticality in Open Electronic Systems. Physical Review Letters, 2006, 97, 236808.	7.8	139
4	Quantum Quench Dynamics. Annual Review of Condensed Matter Physics, 2018, 9, 245-259.	14.5	126
5	Mode-Coupling-Induced Dissipative and Thermal Effects at Long Times after a Quantum Quench. Physical Review Letters, 2011, 107, 150602.	7.8	102
6	Quantum quenches in an XZ spin chain from a spatially inhomogeneous initial state. Physical Review E, 2010, 81, 061134.	2.1	67
7	Hydrodynamic long-time tails after a quantum quench. Physical Review A, 2014, 89, .	2.5	75
8	Short-time universal scaling in an isolated quantum system after a quench. Physical Review B, 2015, 91, .	3.2	69
9	Aging and coarsening in isolated quantum systems after a quench: Exact results for the quantum ON with N .	2.1	67
10	Correlation functions in the prethermalized regime after a quantum quench of a spin chain. Physical Review B, 2013, 87, .	3.2	59
11	Optical Hall conductivity of a Floquet topological insulator. Physical Review B, 2015, 92, .	3.2	54
12	Thermalization and dissipation in out-of-equilibrium quantum systems: A perturbative renormalization group approach. Physical Review B, 2012, 85, .	3.2	53
13	Transient Orthogonality Catastrophe in a Time-Dependent Nonequilibrium Environment. Physical Review Letters, 2014, 112, 246401.	7.8	53
14	Short-time universal scaling and light-cone dynamics after a quench in an isolated quantum system in d spatial dimensions. Physical Review B, 2016, 94, .	3.2	43
15	Domain wall dynamics in integrable and chaotic spin-1 2 chains. Physical Review E, 2011, 84, 016206.	2.1	42
16	Time Evolution and Dynamical Phase Transitions at a Critical Time in a System of One-Dimensional Bosons after a Quantum Quench. Physical Review Letters, 2012, 109, 260601.	7.8	39
17	Coulomb gas on the Keldysh contour: Anderson-Yuval-Hamann representation of the nonequilibrium two-level system. Physical Review B, 2007, 76, .	3.2	36
18	Interedge phase coherence in quantum Hall line junctions. Physical Review B, 2001, 64, .	3.2	34

#	ARTICLE	IF	CITATIONS
19	Occupation probabilities and current densities of bulk and edge states of a Floquet topological insulator. Physical Review B, 2016, 93, .	3.2	34
20	Current-driven quantum criticality in itinerant electron ferromagnets. Physical Review B, 2008, 77, .	3.2	32
21	Quench dynamics of one-dimensional bosons in a commensurate periodic potential: A quantum kinetic equation approach. Physical Review B, 2013, 88, .	3.2	31
22	Spin dynamics and violation of the fluctuation dissipation theorem in a nonequilibrium ohmic spin-boson model. Physical Review B, 2005, 72, .	3.2	29
23	Lifetime of Almost Strong Edge-Mode Operators in One-Dimensional, Interacting, Symmetry Protected Topological Phases. Physical Review Letters, 2020, 124, 206803.	7.8	25
24	Expansion of the nonequilibrium infinite-temperature Anderson model. Physical Review B, 2009, 79, .		
25	Floquet Majorana zero and \mathbb{Z}_2 modes in planar Josephson junctions. Physical Review B, 2019, 99, .	3.2	24
26	Thermally assisted spin-transfer torque magnetization reversal in uniaxial nanomagnets. Applied Physics Letters, 2012, 101, .	3.3	23
27	Quench Dynamics of One-Dimensional Interacting Bosons in a Disordered Potential: Elastic Dephasing and Critical Speeding-Up of Thermalization. Physical Review Letters, 2014, 113, 010601.	7.8	21
28	Dynamics of almost strong edge modes in spin chains away from integrability. Physical Review B, 2020, 102, .	3.2	21
29	Quenched dynamics in interacting one-dimensional systems: Appearance of current-carrying steady states from initial domain wall density profiles. Physical Review B, 2010, 82, .	3.2	20
30	Quench dynamics of superconducting fluctuations and optical conductivity in a disordered system. Physical Review B, 2018, 98, .	3.2	20
31	Strong and almost strong modes of Floquet spin chains in Krylov subspaces. Physical Review B, 2021, 104, .	3.2	20
32	Long-range Kitaev chains via planar Josephson junctions. Physical Review B, 2018, 97, .	3.2	18
33	Almost strong (T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td) (xmlns:mml="http://www.w3.org/1998/Math/MathML")	3.2	18
34	Enhanced Fano factor in a molecular transistor coupled to phonons and Luttinger-liquid leads. Physical Review B, 2005, 72, .	3.2	17
35	Transport across an impurity in one-dimensional quantum liquids far from equilibrium. Physical Review B, 2015, 91, .	3.2	17
36	Floquet topological systems in the vicinity of band crossings: Reservoir-induced coherence and steady-state entropy production. Physical Review B, 2016, 93, .	3.2	17

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37	Electron/nuclear spin domain walls in quantum Hall systems. Physical Review B, 2003, 67, .	3.2	16
38	Time-resolved spectral density of interacting fermions following a quench to a superconducting critical point. Physical Review B, 2017, 96, .	3.2	16
39	Central Charge of Periodically Driven Critical Kitaev Chains. Physical Review Letters, 2018, 121, 076802.	7.8	16
40	From Kardar-Parisi-Zhang scaling to explosive desynchronization in arrays of limit-cycle oscillators. Physical Review E, 2017, 96, 012220.	2.1	15
41	Long-lived period-doubled edge modes of interacting and disorder-free Floquet spin chains. Communications Physics, 2022, 5, .	5.3	15
42	Entanglement properties of the time-periodic Kitaev chain. Physical Review B, 2017, 96, .	3.2	14
43	Critical properties of the prethermal Floquet time crystal. Physical Review B, 2021, 103, .	3.2	13
44	Current-Induced Decoherence in the Multichannel Kondo Problem. Physical Review Letters, 2011, 106, 106402.	7.8	12
45	Critical properties of the Floquet time crystal within the Gaussian approximation. Physical Review B, 2021, 103, .	3.2	12
46	Random phase approximation study of one-dimensional fermions after a quantum quench. Physical Review B, 2011, 84, .	3.2	11
47	Entanglement properties of the critical quench of $C \times O(1)$. Physical Review B, 2016, 94, .	3.2	11
48	Dynamical generation of superconducting order of different symmetries in hexagonal lattices. Physical Review B, 2017, 96, .	3.2	10
49	Model Predictions for Time-Resolved Transport Measurements Made near the Superfluid Critical Points of Cold Atoms and $K \times C \times 3 \times 60$ Films. Physical Review Letters, 2018, 121, 067001.	7.8	9
50	Entanglement properties of Floquet-Chern insulators. Physical Review B, 2016, 94, .	3.2	8
51	Transport and spectral signatures of transient fluctuating superfluids in the absence of long-range order. Physical Review B, 2019, 100, .	3.2	8
52	Dissipative and nonequilibrium effects near a superconductor-metal quantum critical point. Physical Review B, 2008, 78, .	3.2	7
53	Orbital magnetization of Floquet topological systems. Physical Review B, 2022, 105, .	3.2	7
54	ac- and dc-driven noise and χ characteristics of magnetic nanostructures. Physical Review B, 2010, 81, .	3.2	4

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55	Nonequilibrium dynamics of a two-channel Kondo system due to a quantum quench. Physical Review B, 2010, 81, .	3.2	4
56	Floquet topological systems with flat bands: Edge modes, Berry curvature, and orbital magnetization. Physical Review B, 2022, 105, .	3.2	3
57	Current-driven defect-unbinding transition in anXYferromagnet. Physical Review B, 2011, 84, .	3.2	1