# Aditi Mitra

## List of Publications by Year
in descending order

| 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 | Long-lived period-doubled edge modes of interacting and disorder-free Floquet spin chains. Communications Physics, 2022, 5, . | 5.3 | 15 |
| 2 | Orbital magnetization of Floquet topological systems. Physical Review B, 2022, 105, . | 3.2 | 7 |
| 3 | Floquet topological systems with flat bands: Edge modes, Berry curvature, and orbital magnetization. Physical Review B, 2022, 105, . | 3.2 | 3 |
| 4 | Critical properties of the Floquet time crystal within the Gaussian approximation. Physical Review B, 2021, 103, . | 3.2 | 12 |
| 5 | Critical properties of the prethermal Floquet time crystal. Physical Review B, 2021, 103, . | 3.2 | 13 |
| 6 | Strong and almost strong modes of Floquet spin chains in Krylov subspaces. Physical Review B, 2021, 104, . | 3.2 | 20 |
| 7 | Dynamics of almost strong edge modes in spin chains away from integrability. Physical Review B, 2020, 102, . | 3.2 | 21 |
| 8 | Lifetime of Almost Strong Edge-Mode Operators in One-Dimensional, Interacting, Symmetry Protected Topological Phases. Physical Review Letters, 2020, 124, 206803. | 7.8 | 25 |
| 9 | Transport and spectral signatures of transient fluctuating superfluids in the absence of long-range order. Physical Review B, 2019, 100, . | 3.2 | 8 |
| 10 | Almost strong ( <mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml | 3.2 | 18 |
| 11 | Floquet Majorana zero and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ï€</mml:mi></mml:math> modes in planar Josephson junctions. Physical Review B, 2019, 99, . | 3.2 | 24 |
| 12 | Quantum Quench Dynamics. Annual Review of Condensed Matter Physics, 2018, 9, 245-259. | 14.5 | 126 |
| 13 | Quench dynamics of superconducting fluctuations and optical conductivity in a disordered system. Physical Review B, 2018, 98, . | 3.2 | 20 |
| 14 | Long-range Kitaev chains via planar Josephson junctions. Physical Review B, 2018, 97, . | 3.2 | 18 |
| 15 | Central Charge of Periodically Driven Critical Kitaev Chains. Physical Review Letters, 2018, 121, 076802. | 7.8 | 16 |
| 16 | Model Predictions for Time-Resolved Transport Measurements Made near the Superfluid Critical Points of Cold Atoms and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow></mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow><mml:mrow><mml:m mathvariant="normal">C</mml:mi></mml:mrow></mml:mrow><mml:mn>60</mml:mn></mml:mrow></mml:msub></mml:mrow></mm Films. Physical Review Letters, 2018, 121, 067001. | 7.8 | 9 |
| 17 | From Kardar-Parisi-Zhang scaling to explosive desynchronization in arrays of limit-cycle oscillators. Physical Review E, 2017, 96, 012220. | 2.1 | 15 |
| 18 | Time-resolved spectral density of interacting fermions following a quench to a superconducting critical point. Physical Review B, 2017, 96, . | 3.2 | 16 |

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| 19 | Entanglement properties of the time-periodic Kitaev chain. Physical Review B, 2017, 96, . | 3.2 | 14 |
| 20 | Dynamical generation of superconducting order of different symmetries in hexagonal lattices. Physical Review B, 2017, 96, . | 3.2 | 10 |
| 21 | 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 |
| 22 | Occupation probabilities and current densities of bulk and edge states of a Floquet topological insulator. Physical Review B, 2016, 93, . | 3.2 | 34 |
| 23 | Entanglement properties of Floquet-Chern insulators. Physical Review B, 2016, 94, . | 3.2 | 8 |
| 24 | Short-time universal scaling and light-cone dynamics after a quench in an isolated quantum system in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>d</mml:mi></mml:math>spatial dimensions. Physical Review B, 2016, 94, . | 3.2 | 43 |
| 25 | Entanglement properties of the critical quench of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>O</mml:mi><mml:mo>(</mml:mo><mml:mi>N</mml:mi> Physical Review B, 2016, 94, . | 3.2 | 11 |
| 26 | Optical Hall conductivity of a Floquet topological insulator. Physical Review B, 2015, 92, . | 3.2 | 54 |
| 27 | Aging and coarsening in isolated quantum systems after a quench: Exact results for the quantum<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mtext>O</mml:mtext><mml:mo>(</mml:mo><mml:mi>N</mml:mi> with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>N</mml:mi></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>â†'</mml:mo></mml:math><mml:math | 2.1 | 67 |
| 28 | Short-time universal scaling in an isolated quantum system after a quench. Physical Review B, 2015, 91, . | 3.2 | 69 |
| 29 | Transport across an impurity in one-dimensional quantum liquids far from equilibrium. Physical Review B, 2015, 91, . | 3.2 | 17 |
| 30 | Out-of-equilibrium electrons and the Hall conductance of a Floquet topological insulator. Physical Review B, 2015, 91, . | 3.2 | 195 |
| 31 | Dissipative Floquet topological systems. Physical Review B, 2014, 90, . | 3.2 | 153 |
| 32 | 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 |
| 33 | Hydrodynamic long-time tails after a quantum quench. Physical Review A, 2014, 89, . | 2.5 | 75 |
| 34 | Transient Orthogonality Catastrophe in a Time-Dependent Nonequilibrium Environment. Physical Review Letters, 2014, 112, 246401. | 7.8 | 53 |
| 35 | Quench dynamics of one-dimensional bosons in a commensurate periodic potential: A quantum kinetic equation approach. Physical Review B, 2013, 88, . | 3.2 | 31 |
| 36 | Correlation functions in the prethermalized regime after a quantum quench of a spin chain. Physical Review B, 2013, 87, . | 3.2 | 59 |

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|---|---------|----|-----------|
| 37 | 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 |
| 38 | Thermally assisted spin-transfer torque magnetization reversal in uniaxial nanomagnets. Applied Physics Letters, 2012, 101, . | 3.3 | 23 |
| 39 | Thermalization and dissipation in out-of-equilibrium quantum systems: A perturbative renormalization group approach. Physical Review B, 2012, 85, . | 3.2 | 53 |
| 40 | Current-Induced Decoherence in the Multichannel Kondo Problem. Physical Review Letters, 2011, 106, 106402. | 7.8 | 12 |
| 41 | Current-driven defect-unbinding transition in an $XY$ ferromagnet. Physical Review B, 2011, 84, . | 3.2 | 1 |
| 42 | Random phase approximation study of one-dimensional fermions after a quantum quench. Physical Review B, 2011, 84, . | 3.2 | 11 |
| 43 | Domain wall dynamics in integrable and chaotic spin-$1/2$ chains. Physical Review E, 2011, 84, 016206. | 2.1 | 42 |
| 44 | Mode-Coupling-Induced Dissipative and Thermal Effects at Long Times after a Quantum Quench. Physical Review Letters, 2011, 107, 150602. | 7.8 | 102 |
| 45 | 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 |
| 46 | ac- and dc-driven noise and $I-V$ characteristics of magnetic nanostructures. Physical Review B, 2010, 81, . | 3.2 | 4 |
| 47 | Nonequilibrium dynamics of a two-channel Kondo system due to a quantum quench. Physical Review B, 2010, 81, . | 3.2 | 4 |
| 48 | Quantum quenches in an $XXZ$ spin chain from a spatially inhomogeneous initial state. Physical Review E, 2010, 81, 061134. | 2.1 | 21 |
| 49 | $\frac{1}{N}$ expansion of the nonequilibrium infinite-$U$ Anderson model. Physical Review B, 2009, 79, . | 3.2 | 24 |
| 50 | Dissipative and nonequilibrium effects near a superconductor-metal quantum critical point. Physical Review B, 2008, 78, . | 3.2 | 7 |
| 51 | Current-driven quantum criticality in itinerant electron ferromagnets. Physical Review B, 2008, 77, . | 3.2 | 32 |
| 52 | Coulomb gas on the Keldysh contour: Anderson-Yuval-Hamann representation of the nonequilibrium two-level system. Physical Review B, 2007, 76, . | 3.2 | 36 |
| 53 | Nonequilibrium Quantum Criticality in Open Electronic Systems. Physical Review Letters, 2006, 97, 236808. | 7.8 | 139 |
| 54 | Enhanced Fano factor in a molecular transistor coupled to phonons and Luttinger-liquid leads. Physical Review B, 2005, 72, . | 3.2 | 17 |

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| 55 | Spin dynamics and violation of the fluctuation dissipation theorem in a nonequilibrium ohmic spin-boson model. Physical Review B, 2005, 72, . | 3.2 | 29 |
| 56 | Electron/nuclear spin domain walls in quantum Hall systems. Physical Review B, 2003, 67, . | 3.2 | 16 |
| 57 | Interedge phase coherence in quantum Hall line junctions. Physical Review B, 2001, 64, . | 3.2 | 34 |