

Sanjib Sabhapandit

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,644
citations

331642

21
h-index

289230

40
g-index

54
all docs

54
docs citations

54
times ranked

679
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Record statistics for random walks and Lévy flights with resetting. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 034002. | 2.1 | 22 |
| 2 | Active Brownian motion with directional reversals. Physical Review E, 2021, 104, L012601. | 2.1 | 24 |
| 3 | Direction reversing active Brownian particle in a harmonic potential. Soft Matter, 2021, 17, 10108-10119. | 2.7 | 15 |
| 4 | Exact stationary state of a run-and-tumble particle with three internal states in a harmonic trap. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 09LT01. | 2.1 | 48 |
| 5 | Freezing Transition in the Barrier Crossing Rate of a Diffusing Particle. Physical Review Letters, 2020, 125, 200601. | 7.8 | 14 |
| 6 | Run-and-tumble particles in two dimensions: Marginal position distributions. Physical Review E, 2020, 101, 062120. | 2.1 | 47 |
| 7 | Entropy production for partially observed harmonic systems. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 013204. | 2.3 | 5 |
| 8 | Dynamical correlations of conserved quantities in the one-dimensional equal mass hard particle gas. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 023205. | 2.3 | 0 |
| 9 | Run-and-tumble particle in inhomogeneous media in one dimension. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 083207. | 2.3 | 14 |
| 10 | Run-and-tumble particles in two dimensions under stochastic resetting conditions. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 113206. | 2.3 | 39 |
| 11 | Velocity distribution of driven granular gases. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 063201. | 2.3 | 7 |
| 12 | Non-equilibrium dynamics of the piston in the Szilard engine. Europhysics Letters, 2019, 127, 10004. | 2.0 | 2 |
| 13 | Run-and-tumble particle in one-dimensional confining potentials: Steady-state, relaxation, and first-passage properties. Physical Review E, 2019, 99, 032132. | 2.1 | 121 |
| 14 | Steady state, relaxation and first-passage properties of a run-and-tumble particle in one-dimension. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 043215. | 2.3 | 157 |
| 15 | Statistics of overtake events by a tagged agent. Physical Review E, 2018, 98, . | 2.1 | 1 |
| 16 | Extreme statistics and index distribution in the classical 1D Coulomb gas. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 295001. | 2.1 | 18 |
| 17 | Partial entropy production in heat transport. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 063203. | 2.3 | 7 |
| 18 | Driven inelastic Maxwell gas in one dimension. Physical Review E, 2017, 95, 022115. | 2.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Velocity distribution of a driven inelastic one-component Maxwell gas. <i>Physical Review E</i> , 2017, 95, 032909. | 2.1 | 9 |
| 20 | Stochastic efficiency of an isothermal work-to-work converter engine. <i>Physical Review E</i> , 2017, 96, 042130. | 2.1 | 17 |
| 21 | Gaps between avalanches in one-dimensional random-field Ising models. <i>Physical Review E</i> , 2017, 96, 032107. | 2.1 | 3 |
| 22 | Exact Extremal Statistics in the Classical 1D Coulomb Gas. <i>Physical Review Letters</i> , 2017, 119, 060601. | 7.8 | 31 |
| 23 | Unusual equilibration of a particle in a potential with a thermal wall. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 113210. | 2.3 | 1 |
| 24 | Fluctuation theorem for entropy production of a partial system in the weak-coupling limit. <i>Europhysics Letters</i> , 2016, 115, 60003. | 2.0 | 10 |
| 25 | Dynamical transition in the temporal relaxation of stochastic processes under resetting. <i>Physical Review E</i> , 2015, 91, 052131. | 2.1 | 137 |
| 26 | Random walk with random resetting to the maximum position. <i>Physical Review E</i> , 2015, 92, 052126. | 2.1 | 73 |
| 27 | Exact probability distribution for the two-tag displacement in single-file motion. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P07024. | 2.3 | 11 |
| 28 | Tagged Particle Diffusion in One-Dimensional Systems with Hamiltonian Dynamics-II. <i>Journal of Statistical Physics</i> , 2015, 160, 73-88. | 1.2 | 4 |
| 29 | Driven inelastic Maxwell gases. <i>Physical Review E</i> , 2014, 90, 062130. | 2.1 | 10 |
| 30 | First Order Transition for the Optimal Search Time of Lévy Flights with Resetting. <i>Physical Review Letters</i> , 2014, 113, 220602. | 7.8 | 235 |
| 31 | Work fluctuations for a Brownian particle driven by a correlated external random force. <i>Physical Review E</i> , 2014, 90, 052116. | 2.1 | 20 |
| 32 | Universal Large Deviations for the Tagged Particle in Single-File Motion. <i>Physical Review Letters</i> , 2014, 113, 120601. | 7.8 | 37 |
| 33 | Tagged Particle Diffusion in One-Dimensional Gas with Hamiltonian Dynamics. <i>Journal of Statistical Physics</i> , 2013, 150, 851-866. | 1.2 | 13 |
| 34 | Work fluctuations for a Brownian particle in a harmonic trap with fluctuating locations. <i>Physical Review E</i> , 2013, 87, 022138. | 2.1 | 36 |
| 35 | High-energy tail of the velocity distribution of driven inelastic Maxwell gases. <i>Europhysics Letters</i> , 2013, 104, 54003. | 2.0 | 16 |
| 36 | Heat and work fluctuations for a harmonic oscillator. <i>Physical Review E</i> , 2012, 85, 021108. | 2.1 | 46 |

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|----|--|-----|-----------|
| 37 | Scaling behavior in the convection-driven Brazil nut effect. <i>Physical Review E</i> , 2012, 86, 050301. | 2.1 | 17 |
| 38 | Large deviations of heat flow in harmonic chains. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P03007. | 2.3 | 62 |
| 39 | Work fluctuations for a harmonic oscillator driven by an external random force. <i>Europhysics Letters</i> , 2011, 96, 20005. | 2.0 | 41 |
| 40 | Dynamics of a flexible polymer in planar mixed flow. <i>Journal of Physics: Conference Series</i> , 2011, 297, 012007. | 0.4 | 0 |
| 41 | Record statistics of continuous time random walk. <i>Europhysics Letters</i> , 2011, 94, 20003. | 2.0 | 30 |
| 42 | Application of importance sampling to the computation of large deviations in nonequilibrium processes. <i>Physical Review E</i> , 2011, 83, 031119. | 2.1 | 11 |
| 43 | Statistical properties of the final state in one-dimensional ballistic aggregation. <i>Physical Review E</i> , 2009, 79, 021109. | 2.1 | 7 |
| 44 | Accurate Statistics of a Flexible Polymer Chain in Shear Flow. <i>Physical Review Letters</i> , 2008, 101, 188301. | 7.8 | 20 |
| 45 | Statistics of the total number of collisions and the ordering time in a freely expanding hard-point gas. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P05012. | 2.3 | 3 |
| 46 | Crowding at the front of marathon packs. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, L03001. | 2.3 | 7 |
| 47 | Integer partitions and exclusion statistics: limit shapes and the largest parts of Young diagrams. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, P10001-P10001. | 2.3 | 11 |
| 48 | Statistical properties of a single-file diffusion front. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, L05002-L05002. | 2.3 | 13 |
| 49 | Density of Near-Extreme Events. <i>Physical Review Letters</i> , 2007, 98, 140201. | 7.8 | 42 |
| 50 | Statistical properties of functionals of the paths of a particle diffusing in a one-dimensional random potential. <i>Physical Review E</i> , 2006, 73, 051102. | 2.1 | 35 |
| 51 | Absence of jump discontinuity in the magnetization in quasi-one-dimensional random-field Ising models. <i>Physical Review B</i> , 2004, 70, . | 3.2 | 1 |
| 52 | Hysteresis and Avalanches in the Random Field Ising Model. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 53 | Hysteresis in the Random-Field Ising Model and Bootstrap Percolation. <i>Physical Review Letters</i> , 2002, 88, 197202. | 7.8 | 50 |
| 54 | Title is missing!. <i>Journal of Statistical Physics</i> , 2000, 98, 103-129. | 1.2 | 39 |