Sanjib Sabhapandit

List of Publications by Year
in descending order

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	First Order Transition for the Optimal Search Time of Lévy Flights with Resetting. Physical Review Letters, 2014, 113, 220602.	7.8	235
2	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
3	Dynamical transition in the temporal relaxation of stochastic processes under resetting. Physical Review E, 2015, 91, 052131.	2.1	137
4	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
5	Random walk with random resetting to the maximum position. Physical Review E, 2015, 92, 052126.	2.1	73
6	Large deviations of heat flow in harmonic chains. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P03007.	2.3	62
7	Hysteresis in the Random-Field Ising Model and Bootstrap Percolation. Physical Review Letters, 2002, 88, 197202.	7.8	50
8	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
9	Run-and-tumble particles in two dimensions: Marginal position distributions. Physical Review E, 2020, 101, 062120.	2.1	47
10	Heat and work fluctuations for a harmonic oscillator. Physical Review E, 2012, 85, 021108.	2.1	46
11	Density of Near-Extreme Events. Physical Review Letters, 2007, 98, 140201.	7.8	42
12	Work fluctuations for a harmonic oscillator driven by an external random force. Europhysics Letters, 2011, 96, 20005.	2.0	41
13	Title is missing!. Journal of Statistical Physics, 2000, 98, 103-129.	1.2	39
14	Run-and-tumble particles in two dimensions under stochastic resetting conditions. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 113206.	2.3	39
15	Universal Large Deviations for the Tagged Particle in Single-File Motion. Physical Review Letters, 2014, 113, 120601.	7.8	37
16	Work fluctuations for a Brownian particle in a harmonic trap with fluctuating locations. Physical Review E, 2013, 87, 022138.	2.1	36
17	Statistical properties of functionals of the paths of a particle diffusing in a one-dimensional random potential. Physical Review E, 2006, 73, 051102.	2.1	35
18	Exact Extremal Statistics in the Classical 1D Coulomb Gas. Physical Review Letters, 2017, 119, 060601.	7.8	31

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19	Record statistics of continuous time random walk. Europhysics Letters, 2011, 94, 20003.	2.0	30
20	Active Brownian motion with directional reversals. Physical Review E, 2021, 104, L012601.	2.1	24
21	Record statistics for random walks and Lévy flights with resetting. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 034002.	2.1	22
22	Accurate Statistics of a Flexible Polymer Chain in Shear Flow. Physical Review Letters, 2008, 101, 188301.	7.8	20
23	Work fluctuations for a Brownian particle driven by a correlated external random force. Physical Review E, 2014, 90, 052116.	2.1	20
24	Extreme statistics and index distribution in the classical 1d Coulomb gas. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 295001.	2.1	18
25	Scaling behavior in the convection-driven Brazil nut effect. Physical Review E, 2012, 86, 050301.	2.1	17
26	Stochastic efficiency of an isothermal work-to-work converter engine. Physical Review E, 2017, 96, 042130.	2.1	17
27	High-energy tail of the velocity distribution of driven inelastic Maxwell gases. Europhysics Letters, 2013, 104, 54003.	2.0	16
28	Direction reversing active Brownian particle in a harmonic potential. Soft Matter, 2021, 17, 10108-10119.	2.7	15
29	Freezing Transition in the Barrier Crossing Rate of a Diffusing Particle. Physical Review Letters, 2020, 125, 200601.	7.8	14
30	Run-and-tumble particle in inhomogeneous media in one dimension. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 083207.	2.3	14
31	Statistical properties of a single-file diffusion front. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, L05002-L05002.	2.3	13
32	Tagged Particle Diffusion in One-Dimensional Gas with Hamiltonian Dynamics. Journal of Statistical Physics, 2013, 150, 851-866.	1.2	13
33	Integer partitions and exclusion statistics: limit shapes and the largest parts of Young diagrams. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P10001-P10001.	2.3	11
34	Application of importance sampling to the computation of large deviations in nonequilibrium processes. Physical Review E, 2011, 83, 031119.	2.1	11
35	Exact probability distribution for the two-tag displacement in single-file motion. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P07024.	2.3	11
36	Driven inelastic Maxwell gases. Physical Review E, 2014, 90, 062130.	2.1	10

#	Article	IF	Citations
37	Fluctuation theorem for entropy production of a partial system in the weak-coupling limit. Europhysics Letters, 2016, 115, 60003.	2.0	10
38	Velocity distribution of a driven inelastic one-component Maxwell gas. Physical Review E, 2017, 95, 032909.	2.1	9
39	Crowding at the front of marathon packs. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, L03001.	2.3	7
40	Statistical properties of the final state in one-dimensional ballistic aggregation. Physical Review E, 2009, 79, 021109.	2.1	7
41	Partial entropy production in heat transport. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 063203.	2.3	7
42	Velocity distribution of driven granular gases. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 063201.	2.3	7
43	Driven inelastic Maxwell gas in one dimension. Physical Review E, 2017, 95, 022115.	2.1	5
44	Entropy production for partially observed harmonic systems. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 013204.	2.3	5
45	Tagged Particle Diffusion in One-Dimensional Systems with Hamiltonian Dynamics-II. Journal of Statistical Physics, 2015, 160, 73-88.	1.2	4
46	Statistics of the total number of collisions and the ordering time in a freely expanding hard-point gas. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P05012.	2.3	3
47	Gaps between avalanches in one-dimensional random-field Ising models. Physical Review E, 2017, 96, 032107.	2.1	3
48	Non-equilibrium dynamics of the piston in the Szilard engine. Europhysics Letters, 2019, 127, 10004.	2.0	2
49	Absence of jump discontinuity in the magnetization in quasi-one-dimensional random-field Ising models. Physical Review B, 2004, 70, .	3.2	1
50	Unusual equilibration of a particle in a potential with a thermal wall. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 113210.	2.3	1
51	Statistics of overtake events by a tagged agent. Physical Review E, 2018, 98, .	2.1	1
52	Hysteresis and Avalanches in the Random Field Ising Model. ChemInform, 2003, 34, no.	0.0	0
53	Dynamics of a flexible polymer in planar mixed flow. Journal of Physics: Conference Series, 2011, 297, 012007.	0.4	0
54	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