

# Arnab Pal

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,837  
citations

279778

23  
h-index

434170

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

333  
citing authors

#	ARTICLE	IF	CITATIONS
1	The inspection paradox in stochastic resetting. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 021001.	2.1	47
2	Autocorrelation functions and ergodicity in diffusion with stochastic resetting. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 104003.	2.1	11
3	Income inequality and mobility in geometric Brownian motion with stochastic resetting: theoretical results and empirical evidence of non-ergodicity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210157.	3.4	25
4	First-passage Brownian functionals with stochastic resetting. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 234001.	2.1	16
5	Mitigating long queues and waiting times with service resetting. , 2022, 1, .		12
6	10.1063/5.0038374.1. , 2021, , .		0
7	Thermodynamic uncertainty relation for systems with unidirectional transitions. <i>Physical Review Research</i> , 2021, 3, .	3.6	30
8	Resetting with stochastic return through linear confining potential. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 043202.	2.3	17
9	Extremal statistics for stochastic resetting systems. <i>Physical Review E</i> , 2021, 103, 052119.	2.1	32
10	First passage under restart for discrete space and time: Application to one-dimensional confined lattice random walks. <i>Physical Review E</i> , 2021, 103, 052129.	2.1	36
11	Geometric Brownian motion under stochastic resetting: A stationary yet nonergodic process. <i>Physical Review E</i> , 2021, 104, 014121.	2.1	37
12	Thermodynamic uncertainty relation for first-passage times on Markov chains. <i>Physical Review Research</i> , 2021, 3, .	3.6	17
13	Mitigating long transient time in deterministic systems by resetting. <i>Chaos</i> , 2021, 31, 011103.	2.5	20
14	Stochastic resetting with stochastic returns using external trap. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 025003.	2.1	40
15	Thermodynamic uncertainty relations for many-body systems with fast jump rates and large occupancies. <i>Physical Review E</i> , 2021, 104, 064141.	2.1	2
16	Extreme value statistics of correlated random variables: A pedagogical review. <i>Physics Reports</i> , 2020, 840, 1-32.	25.6	113
17	Experimental Realization of Diffusion with Stochastic Resetting. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7350-7355.	4.6	135
18	Work Fluctuations and Jarzynski Equality in Stochastic Resetting. <i>Physical Review Letters</i> , 2020, 124, 110608.	7.8	68

#	ARTICLE	IF	CITATIONS
19	Search with home returns provides advantage under high uncertainty. Physical Review Research, 2020, 2, .	3.6	75
20	Local time of diffusion with stochastic resetting. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 264002.	2.1	41
21	Time-dependent density of diffusion with stochastic resetting is invariant to return speed. Physical Review E, 2019, 100, 040101.	2.1	56
22	Motion of a Brownian particle in the presence of reactive boundaries. Physical Review E, 2019, 100, 042128.	2.1	14
23	Symmetric exclusion process under stochastic resetting. Physical Review E, 2019, 100, 032136.	2.1	63
24	First passage under stochastic resetting in an interval. Physical Review E, 2019, 99, 032123.	2.1	95
25	Invariants of motion with stochastic resetting and space-time coupled returns. New Journal of Physics, 2019, 21, 113024.	2.9	52
26	First Passage under Restart with Branching. Physical Review Letters, 2019, 122, 020602.	7.8	55
27	Landau-like expansion for phase transitions in stochastic resetting. Physical Review Research, 2019, 1, .	3.6	64
28	First Passage under Restart. Physical Review Letters, 2017, 118, 030603.	7.8	231
29	Integral fluctuation theorems for stochastic resetting systems. Physical Review E, 2017, 96, 062135.	2.1	57
30	Diffusion under time-dependent resetting. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 225001.	2.1	167
31	Diffusion in a potential landscape with stochastic resetting. Physical Review E, 2015, 91, 012113.	2.1	153
32	Work fluctuations for a Brownian particle driven by a correlated external random force. Physical Review E, 2014, 90, 052116.	2.1	20
33	Work fluctuations for a Brownian particle in a harmonic trap with fluctuating locations. Physical Review E, 2013, 87, 022138.	2.1	36