

# Arnab Pal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/864290/publications.pdf>

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	First Passage under Restart. <i>Physical Review Letters</i> , 2017, 118, 030603.	7.8	231
2	Diffusion under time-dependent resetting. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 225001.	2.1	167
3	Diffusion in a potential landscape with stochastic resetting. <i>Physical Review E</i> , 2015, 91, 012113.	2.1	153
4	Experimental Realization of Diffusion with Stochastic Resetting. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7350-7355.	4.6	135
5	Extreme value statistics of correlated random variables: A pedagogical review. <i>Physics Reports</i> , 2020, 840, 1-32.	25.6	113
6	First passage under stochastic resetting in an interval. <i>Physical Review E</i> , 2019, 99, 032123.	2.1	95
7	Search with home returns provides advantage under high uncertainty. <i>Physical Review Research</i> , 2020, 2, .	3.6	75
8	Work Fluctuations and Jarzynski Equality in Stochastic Resetting. <i>Physical Review Letters</i> , 2020, 124, 110608.	7.8	68
9	Landau-like expansion for phase transitions in stochastic resetting. <i>Physical Review Research</i> , 2019, 1, .	3.6	64
10	Symmetric exclusion process under stochastic resetting. <i>Physical Review E</i> , 2019, 100, 032136.	2.1	63
11	Integral fluctuation theorems for stochastic resetting systems. <i>Physical Review E</i> , 2017, 96, 062135.	2.1	57
12	Time-dependent density of diffusion with stochastic resetting is invariant to return speed. <i>Physical Review E</i> , 2019, 100, 040101.	2.1	56
13	First Passage under Restart with Branching. <i>Physical Review Letters</i> , 2019, 122, 020602.	7.8	55
14	Invariants of motion with stochastic resetting and space-time coupled returns. <i>New Journal of Physics</i> , 2019, 21, 113024.	2.9	52
15	The inspection paradox in stochastic resetting. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 021001.	2.1	47
16	Local time of diffusion with stochastic resetting. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 264002.	2.1	41
17	Stochastic resetting with stochastic returns using external trap. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 025003.	2.1	40
18	Geometric Brownian motion under stochastic resetting: A stationary yet nonergodic process. <i>Physical Review E</i> , 2021, 104, 014121.	2.1	37

#	ARTICLE	IF	CITATIONS
19	Work fluctuations for a Brownian particle in a harmonic trap with fluctuating locations. Physical Review E, 2013, 87, 022138.	2.1	36
20	First passage under restart for discrete space and time: Application to one-dimensional confined lattice random walks. Physical Review E, 2021, 103, 052129.	2.1	36
21	Extremal statistics for stochastic resetting systems. Physical Review E, 2021, 103, 052119.	2.1	32
22	Thermodynamic uncertainty relation for systems with unidirectional transitions. Physical Review Research, 2021, 3, .	3.6	30
23	Income inequality and mobility in geometric Brownian motion with stochastic resetting: theoretical results and empirical evidence of non-ergodicity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210157.	3.4	25
24	Work fluctuations for a Brownian particle driven by a correlated external random force. Physical Review E, 2014, 90, 052116.	2.1	20
25	Mitigating long transient time in deterministic systems by resetting. Chaos, 2021, 31, 011103.	2.5	20
26	Resetting with stochastic return through linear confining potential. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 043202.	2.3	17
27	Thermodynamic uncertainty relation for first-passage times on Markov chains. Physical Review Research, 2021, 3, .	3.6	17
28	First-passage Brownian functionals with stochastic resetting. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 234001.	2.1	16
29	Motion of a Brownian particle in the presence of reactive boundaries. Physical Review E, 2019, 100, 042128.	2.1	14
30	Mitigating long queues and waiting times with service resetting. , 2022, 1, .		12
31	Autocorrelation functions and ergodicity in diffusion with stochastic resetting. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 104003.	2.1	11
32	Thermodynamic uncertainty relations for many-body systems with fast jump rates and large occupancies. Physical Review E, 2021, 104, 064141.	2.1	2
33	10.1063/5.0038374.1. , 2021, , .		0