

Katja Lindenberg

List of Publications by Year in descending order

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papers

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55
all docs

55
docs citations

55
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	SPATIAL PATTERNS INDUCED BY RANDOM SWITCHING. , 2022, , 203-211.		0
2	Synchronization and fluctuations: Coupling a finite number of stochastic units. Physical Review E, 2020, 101, 062140.	2.1	0
3	Two-dimensional telegraphic processes and their fractional generalizations. Physical Review E, 2020, 101, 012137.	2.1	8
4	A continuous-time persistent random walk model for flocking. Chaos, 2018, 28, 075507.	2.5	20
5	Three-stage stochastic pump: Another type of Onsager-Casimir symmetry and results far from equilibrium. Physical Review E, 2018, 97, 062103.	2.1	5
6	Stochastic thermodynamics for Ising chain and symmetric exclusion process. Physical Review E, 2017, 95, 032114.	2.1	2
7	Channel noise effects on first spike latency of a stochastic Hodgkin-Huxley neuron. Physical Review E, 2017, 95, 022414.	2.1	9
8	Arrays of two-state stochastic oscillators: Roles of tail and range of interactions. Physical Review E, 2017, 95, 032104.	2.1	3
9	Continuous time persistent random walk: a review and some generalizations. European Physical Journal B, 2017, 90, 1.	1.5	59
10	Pulse propagation in granular chains: The binary collision approximation. International Journal of Modern Physics B, 2017, 31, 1742016.	2.0	10
11	Stochastic thermodynamics for a periodically driven single-particle pump. Physical Review E, 2017, 96, 052135.	2.1	12
12	Brownian motion on random dynamical landscapes. European Physical Journal B, 2016, 89, 1.	1.5	5
13	Synchronization of coupled noisy oscillators: Coarse graining from continuous to discrete phases. Physical Review E, 2016, 94, 052219.	2.1	7
14	Kramers' rate for systems with multiplicative noise. Physical Review E, 2016, 94, 012101.	2.1	11
15	Onsager coefficients for systems with periodic potentials. Physical Review E, 2016, 94, 052129.	2.1	7
16	Globally coupled stochastic two-state oscillators: synchronization of infinite and finite arrays. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 095001.	2.1	10
17	Dynamical approach to weakly dissipative granular collisions. Physical Review E, 2015, 92, 012201.	2.1	2
18	Descending from infinity: Convergence of tailed distributions. Physical Review E, 2015, 91, 012128.	2.1	1

#	ARTICLE	IF	CITATIONS
19	Arrival Statistics and Exploration Properties of Mortal Walkers. , 2014, , 1-20.		3
20	Globally coupled stochastic two-state oscillators: Fluctuations due to finite numbers. Physical Review E, 2014, 89, 052143.	2.1	20
21	Single-molecule diffusion in a periodic potential at a solidâ€“liquid interface. Soft Matter, 2014, 10, 753-759.	2.7	28
22	Arrays of stochastic oscillators: Nonlocal coupling, clustering, and wave formation. Physical Review E, 2014, 90, 052111.	2.1	14
23	Transport and diffusion of underdamped Brownian particles in random potentials. European Physical Journal B, 2014, 87, 1.	1.5	11
24	Memory-induced anomalous dynamics in a minimal random walk model. Physical Review E, 2014, 90, 022136.	2.1	25
25	Large deviation function and fluctuation theorem for classical particle transport. Physical Review E, 2014, 89, 012141.	2.1	5
26	Momentum and energy propagation in tapered granular chains. Granular Matter, 2013, 15, 735-746.	2.2	14
27	Transport and diffusion of overdamped Brownian particles in random potentials. Physical Review E, 2013, 88, 062105.	2.1	30
28	Evanescent continuous-time random walks. Physical Review E, 2013, 88, 062110.	2.1	24
29	Fractional calculus and morphogen gradient formation. , 2012, , .		0
30	Pulse Propagation in Granular Chains. AIP Conference Proceedings, 2011, , .	0.4	9
31	Pulse Propagation in Granular Chains. AIP Conference Proceedings, 2011, , .	0.4	1
32	Reactions in Subdiffusive Media and Associated Fractional Equations. , 2011, , 77-106.		5
33	Charged particle transport in antidot lattices in the presence of magnetic and electric fields: Langevin approach. Physical Review B, 2008, 78, .	3.2	14
34	Dispersionless Transport in a Washboard Potential. Physical Review Letters, 2007, 98, 020602.	7.8	60
35	Unsolved Problems of Surface Diffusion at Low Friction. AIP Conference Proceedings, 2005, , .	0.4	3
36	STOKES' DRIFT AND HYPERSENSITIVE RESPONSE WITH DICHOTOMOUS MARKOV NOISE. Fluctuation and Noise Letters, 2005, 05, L397-L415.	1.5	2

#	ARTICLE	IF	CITATIONS
37	RATCHETS IN HOMOGENEOUS EXTENDED SYSTEMS: INTERNAL MODES AND THE ROLE OF NOISE. Fluctuation and Noise Letters, 2004, 04, L571-L584.	1.5	2
38	Noise Induced Phenomena: a Sampler. AIP Conference Proceedings, 2003, , .	0.4	7
39	GLOBAL ALTERNATION-INDUCED PATTERNS. Fluctuation and Noise Letters, 2002, 02, R139-R159.	1.5	4
40	Noise worth listening to. Nature, 2002, 420, 24-25.	27.8	0
41	Harvesting thermal fluctuations: Activation process induced by a nonlinear chain in thermal equilibrium. Journal of Chemical Physics, 2000, 112, 10615-10624.	3.0	10
42	One-dimensional arrays of oscillators: Energy localization in thermal equilibrium. Journal of Chemical Physics, 1999, 111, 1373-1384.	3.0	22
43	The Kramers problem in the energy-diffusion limited regime. Journal of Chemical Physics, 1998, 109, 9888-9900.	3.0	32
44	Converging toward a practical solution of the Holstein molecular crystal model. Journal of Chemical Physics, 1998, 109, 6540-6549.	3.0	74
45	Effect of Dimensionality and Anisotropy on the Holstein Polaron. Materials Research Society Symposia Proceedings, 1998, 543, 345.	0.1	4
46	Variational energy band theory for polarons: Mapping polaron structure with the Toyozawa method. Journal of Chemical Physics, 1997, 107, 3159-3178.	3.0	62
47	Variational energy band theory for polarons: Mapping polaron structure with the Merrifield method. Journal of Chemical Physics, 1997, 106, 5622-5630.	3.0	46
48	A variational approach to nonlocal exciton-phonon coupling. Journal of Chemical Physics, 1997, 106, 2728-2740.	3.0	38
49	Initial Distribution Effects on Diffusion-Limited Reactions in Constrained Geometries. Materials Research Society Symposia Proceedings, 1996, 464, 151.	0.1	1
50	Order statistics for first passage times in one-dimensional diffusion processes. Journal of Statistical Physics, 1996, 85, 501-512.	1.2	43
51	Global Reaction Rates from Local Cluster Distributions. Materials Research Society Symposia Proceedings, 1994, 366, 395.	0.1	0
52	Reaction-Diffusion Model for the $A + A \rightarrow O$ Reaction. Materials Research Society Symposia Proceedings, 1994, 366, 377.	0.1	0
53	A continuous-time generalization of the persistent random walk. Physica A: Statistical Mechanics and Its Applications, 1989, 157, 891-898.	2.6	87