

Guy Bunin

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

878
citations

687363

13
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

535
citing authors

#	ARTICLE	IF	CITATIONS
1	Local and collective transitions in sparsely-interacting ecological communities. PLoS Computational Biology, 2022, 18, e1010274.	3.2	7
2	Directionality and community-level selection. Oikos, 2021, 130, 489-500.	2.7	12
3	Extinctions of coupled populations, and rare event dynamics under non-Gaussian noise. Physical Review E, 2021, 104, 024106.	2.1	5
4	Fingerprints of High-Dimensional Coexistence in Complex Ecosystems. Physical Review X, 2021, 11, .	8.9	18
5	Complex interactions can create persistent fluctuations in high-diversity ecosystems. PLoS Computational Biology, 2020, 16, e1007827.	3.2	47
6	Dynamical persistence in high-diversity resource-consumer communities. PLoS Computational Biology, 2020, 16, e1008189.	3.2	13
7	Generic assembly patterns in complex ecological communities. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2156-2161.	7.1	141
8	Statistical physics of community ecology: a cavity solution to MacArthur's consumer resource model. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 033406.	2.3	56
9	Marginally stable equilibria in critical ecosystems. New Journal of Physics, 2018, 20, 083051.	2.9	94
10	Ecological communities with Lotka-Volterra dynamics. Physical Review E, 2017, 95, 042414.	2.1	172
11	Cusp Singularities in Boundary-Driven Diffusive Systems. Journal of Statistical Physics, 2013, 152, 112-135.	1.2	21
12	Large deviations in boundary-driven systems: Numerical evaluation and effective large-scale behavior. Europhysics Letters, 2012, 99, 20002.	2.0	24
13	Non-differentiable large-deviation functionals in boundary-driven diffusive systems. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, L10001.	2.3	27
14	Universal energy fluctuations in thermally isolated driven systems. Nature Physics, 2011, 7, 913-917.	16.7	52
15	A continuum theory for unstructured mesh generation in two dimensions. Computer Aided Geometric Design, 2008, 25, 14-40.	1.2	21
16	Conformal Flattening by Curvature Prescription and Metric Scaling. Computer Graphics Forum, 2008, 27, 449-458.	3.0	128
17	Frequency-dependent fluctuation-dissipation relations in granular gases. Physical Review E, 2008, 77, 051301.	2.1	21