

Bhargav R Karamched

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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17
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17
docs citations

17
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal Dynamics of Synthetic Microbial Consortia in Microfluidic Devices. ACS Synthetic Biology, 2019, 8, 2051-2058.	3.8	54
2	Heterogeneity Improves Speed and Accuracy in Social Networks. Physical Review Letters, 2020, 125, 218302.	7.8	22
3	Emergent spatiotemporal population dynamics with cell-length control of synthetic microbial consortia. PLoS Computational Biology, 2021, 17, e1009381.	3.2	20
4	Delayed Feedback Model of Axonal Length Sensing. Biophysical Journal, 2015, 108, 2408-2419.	0.5	16
5	Moran model of spatial alignment in microbial colonies. Physica D: Nonlinear Phenomena, 2019, 395, 1-6.	2.8	14
6	Effects of cell geometry on reversible vesicular transport. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 055601.	2.1	13
7	Model of reversible vesicular transport with exclusion. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 345602.	2.1	11
8	Bayesian Evidence Accumulation on Social Networks. SIAM Journal on Applied Dynamical Systems, 2020, 19, 1884-1919.	1.6	10
9	A frequency-dependent decoding mechanism for axonal length sensing. Frontiers in Cellular Neuroscience, 2015, 9, 281.	3.7	8
10	Delay-induced uncertainty for a paradigmatic glucose-insulin model. Chaos, 2021, 31, 023142.	2.5	7
11	Diffusive transport in the presence of stochastically gated absorption. Physical Review E, 2017, 96, 022102.	2.1	4
12	Quantitative imaging and dynamics of tumor therapy with viruses. FEBS Journal, 2021, 288, 6273-6285.	4.7	2
13	A closed-loop multi-scale model for intrinsic frequency-dependent regulation of axonal growth. Mathematical Biosciences, 2022, 344, 108768.	1.9	1