

# Bhargav R Karamched

## List of Publications by Year in descending order

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13  
papers

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citations

1163117

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1199594

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17  
times ranked

174  
citing authors

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