Himadri S Samanta

List of Publications by Year
in descending order

16	248	1306789 7	1058022 14
papers	citations	h-index	g-index

23	23	23	239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Charge fluctuation effects on the shape of flexible polyampholytes with applications to intrinsically disordered proteins. Journal of Chemical Physics, 2018, 149, 163323.	1.2	54
2	Spatially heterogeneous dynamics of cells in a growing tumor spheroid: comparison between theory and experiments. Soft Matter, 2020, 16, 5294-5304.	1.2	38
3	Cell Growth Rate Dictates the Onset of Glass to Fluidlike Transition and Long Time Superdiffusion in an Evolving Cell Colony. Physical Review X, 2018, 8, .	2.8	33
4	Universal Nature of Collapsibility in the Context of Protein Folding and Evolution. Trends in Biochemical Sciences, 2019, 44, 675-687.	3.7	31
5	Protein collapse is encoded in the folded state architecture. Soft Matter, 2017, 13, 3622-3638.	1.2	28
6	On noise induced PoincarÃ©â€“Andronovâ€“Hopf bifurcation. Chaos, 2014, 24, 043122.	1.0	10
7	Origin of superdiffusive behavior in a class of nonequilibrium systems. Physical Review E, 2019, 99, 032401.	0.8	9
8	The critical Casimir force in the superfluid phase: effect of fluctuations. New Journal of Physics, 2010, 12, 063039.	1.2	8
9	Growth models and models of turbulence: A stochastic quantization perspective. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 353, 113-115.	0.9	7
10	Casimirâ€“Lifshitz interaction between dielectric heterostructures. New Journal of Physics, 2009, 11, 093023.	1.2	7
11	Nonequilibrium statistical physics with fictitious time. Physical Review E, 2006, 73, 046125.	0.8	6
12	Optimal information transfer in enzymatic networks: A field theoretic formulation. Physical Review E, 2017, 96, 012406.	0.8	6
13	Exact solution of the Zwanzig-Lauritzen model of polymer crystallization under tension. Journal of Chemical Physics, 2013, 138, 104901.	1.2	2
14	Giant Casimir Nonequilibrium Forces Drive Coil to Globule Transition in Polymers. Journal of Physical Chemistry Letters, 2019, 10, 2788-2793.	2.1	1
15	Interstitial flows regulate collective cell migration heterogeneity through adhesion. Physical Review Research, 2020, 2, .	1.3	1
16	Fokkerâ€“Planck Equation: Long-Time Dynamics in Approach to Equilibrium. Phase Transitions, 2004, 77, 747-765.	0.6	0