

Ashok Garai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Intracellular transport by single-headed kinesin KIF1A: Effects of single-motor mechanochemistry and steric interactions. <i>Physical Review E</i> , 2007, 75, 041905.	2.1	62
2	Stochastic kinetics of ribosomes: Single motor properties and collective behavior. <i>Physical Review E</i> , 2009, 80, 011908.	2.1	61
3	DNA Elasticity from Short DNA to Nucleosomal DNA. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11146-11156.	2.6	48
4	What do we know about DNA mechanics so far?. <i>Current Opinion in Structural Biology</i> , 2020, 64, 42-50.	5.7	27
5	Ionic liquids make DNA rigid. <i>Journal of Chemical Physics</i> , 2018, 149, 045104.	3.0	24
6	Traffic of single-headed motor proteins KIF1A: Effects of lane changing. <i>Physical Review E</i> , 2008, 77, 050902.	2.1	23
7	Fluctuations in protein synthesis from a single RNA template: Stochastic kinetics of ribosomes. <i>Physical Review E</i> , 2009, 79, 011916.	2.1	21
8	Intra-cellular traffic: bio-molecular motors on filamentary tracks. <i>European Physical Journal B</i> , 2008, 64, 593-600.	1.5	13
9	Two-state model for helicase translocation and unwinding of nucleic acids. <i>Physical Review E</i> , 2008, 77, 061910.	2.1	13
10	Overstretching of B-DNA with various pulling protocols: Appearance of structural polymorphism and S-DNA. <i>Journal of Chemical Physics</i> , 2017, 147, 225102.	3.0	13
11	Conformational dynamics through an intermediate. <i>Journal of Chemical Physics</i> , 2014, 140, 135101.	3.0	12
12	Stochastic kinetics of a single-headed motor protein: Dwell time distribution of KIF1A. <i>Europhysics Letters</i> , 2011, 93, 58004.	2.0	8
13	Stochastic description of a bistable frustrated unit. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P01009.	2.3	6
14	Footprint traversal by adenosine-triphosphate-dependent chromatin remodeler motor. <i>Physical Review E</i> , 2012, 85, 041902.	2.1	3