

# Ashok Garai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9364039/publications.pdf>

Version: 2024-02-01

14  
papers

334  
citations

933410

10  
h-index

1058452

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

250  
citing authors

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