

# Davood Norouzi

## List of Publications by Year in descending order

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15  
papers

406  
citations

840119

11  
h-index

996533

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-contact 3C reveals that the human genome during interphase is largely not entangled. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1105-1114.	3.6	59
2	Topological Polymorphism of the Two-Start Chromatin Fiber. <i>Biophysical Journal</i> , 2015, 108, 2591-2600.	0.2	42
3	Revisit of Reconstituted 30-nm Nucleosome Arrays Reveals an Ensemble of Dynamic Structures. <i>Journal of Molecular Biology</i> , 2018, 430, 3093-3110.	2.0	42
4	How to determine local elastic properties of lipid bilayer membranes from atomic-force-microscope measurements: A theoretical analysis. <i>Physical Review E</i> , 2006, 74, 061914.	0.8	39
5	DNA topology in chromatin is defined by nucleosome spacing. <i>Science Advances</i> , 2017, 3, e1700957.	4.7	36
6	Dynamics of Chromatin Fibers: Comparison of Monte Carlo Simulations with Force Spectroscopy. <i>Biophysical Journal</i> , 2018, 115, 1644-1655.	0.2	34
7	Nucleosome spacing periodically modulates nucleosome chain folding and DNA topology in circular nucleosome arrays. <i>Journal of Biological Chemistry</i> , 2019, 294, 4233-4246.	1.6	26
8	Regulation of chromatin folding by conformational variations of nucleosome linker DNA. <i>Nucleic Acids Research</i> , 2017, 45, 9372-9387.	6.5	22
9	Effect of Bending Anisotropy on the 3D Conformation of Short DNA Loops. <i>Physical Review Letters</i> , 2008, 101, 168103.	2.9	21
10	Interaction of hemin with quadruplex DNA. <i>Journal of Biological Physics</i> , 2017, 43, 5-14.	0.7	21
11	Topological diversity of chromatin fibers: Interplay between nucleosome repeat length, DNA linking number and the level of transcription. <i>AIMS Biophysics</i> , 2015, 2, 613-629.	0.3	21
12	Distribution of counterions and interaction between two similarly charged dielectric slabs: Roles of charge discreteness and dielectric inhomogeneity. <i>Physical Review E</i> , 2012, 85, 061925.	0.8	12
13	Topological polymorphism of nucleosome fibers and folding of chromatin. <i>Biophysical Journal</i> , 2021, 120, 577-585.	0.2	11
14	Investigating actinomycin D binding to G-quadruplex, i-motif and double-stranded DNA in 27-nt segment of c-MYC gene promoter. <i>Materials Science and Engineering C</i> , 2016, 58, 1188-1193.	3.8	9
15	DNA conformation and energy in nucleosome core: a theoretical approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014, 32, 104-114.	2.0	7