

Farshid Mohammad-Rafiee

List of Publications by Year in descending order

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papers

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932766

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23
all docs

23
docs citations

23
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	The characteristics of nuclear membrane fluctuations in stem cells. Journal of the Royal Society Interface, 2021, 18, 20201010.	1.5	2
2	Insight into the unwrapping of the dinucleosome. Soft Matter, 2020, 16, 4806-4813.	1.2	2
3	Wrapping of a nanowire by a supported lipid membrane. Soft Matter, 2019, 15, 7490-7500.	1.2	9
4	Influence of cross-linking and retrograde flow on formation and dynamics of lamellipodium. PLoS ONE, 2019, 14, e0213810.	1.1	4
5	Effects of dielectric inhomogeneity on electrostatic twist rigidity of a helical biomolecule in Debye-Hückel regime. Journal of Chemical Physics, 2018, 148, 135101.	1.2	1
6	Modelling of <i>Dictyostelium discoideum</i> movement in a linear gradient of chemoattractant. Soft Matter, 2017, 13, 8209-8222.	1.2	6
7	Modeling of ribosome dynamics on a ds-mRNA under an external load. Journal of Chemical Physics, 2016, 145, 025101.	1.2	1
8	Elastic model for dinucleosome structure and energy. Physical Review E, 2016, 93, 042409.	0.8	2
9	Regulation of the membrane wrapping transition of a cylindrical target by cytoskeleton adhesion. Journal of the Royal Society Interface, 2014, 11, 20140769.	1.5	8
10	DNA conformation and energy in nucleosome core: a theoretical approach. Journal of Biomolecular Structure and Dynamics, 2014, 32, 104-114.	2.0	7
11	Nucleosome Dynamics between Tension-Induced States. Biophysical Journal, 2012, 102, 2235-2240.	0.2	18
12	Distribution of counterions and interaction between two similarly charged dielectric slabs: Roles of charge discreteness and dielectric inhomogeneity. Physical Review E, 2012, 85, 061925.	0.8	12
13	Geometrical correlations in the nucleosomal DNA conformation and the role of the covalent bonds rigidity. Nucleic Acids Research, 2011, 39, 1220-1230.	6.5	9
14	Stochastic model for nucleosome sliding under an external force. Physical Review E, 2009, 79, 031922.	0.8	12
15	Active Nucleosome Displacement: A Theoretical Approach. Biophysical Journal, 2009, 96, 4387-4398.	0.2	11
16	On the Effective Charge of Hydrophobic Polyelectrolytes. Journal of Physical Chemistry B, 2009, 113, 3743-3749.	1.2	36
17	Effect of Bending Anisotropy on the 3D Conformation of Short DNA Loops. Physical Review Letters, 2008, 101, 168103.	2.9	21
18	Twist-stretch correlation of DNA. Physical Review E, 2008, 78, 060901.	0.8	4

#	ARTICLE	IF	CITATIONS
19	The effect of anisotropic bending elasticity on the structure of bent DNA. Journal of Physics Condensed Matter, 2005, 17, S1165-S1170.	0.7	10
20	Elastic Correlations in Nucleosomal DNA Structure. Physical Review Letters, 2005, 94, 238102.	2.9	25
21	Electrostatic contribution to twist rigidity of DNA. Physical Review E, 2004, 69, 061919.	0.8	14
22	Theory of Nucleosome Corkscrew Sliding in the Presence of Synthetic DNA Ligands. Journal of Molecular Biology, 2004, 344, 47-58.	2.0	35
23	Nonlinear mechanical response of DNA due to anisotropic bending elasticity. European Physical Journal E, 2003, 12, 599-604.	0.7	4