

Mohtadin Hashemi

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

399
citations

933447

10
h-index

940533

16
g-index

27
all docs

27
docs citations

27
times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	High-speed atomic force microscopy reveals structural dynamics of β -synuclein monomers and dimers. <i>Journal of Chemical Physics</i> , 2018, 148, 123322.	3.0	57
2	Self-assembly of the full-length amyloid $A\beta_{42}$ protein in dimers. <i>Nanoscale</i> , 2016, 8, 18928-18937.	5.6	47
3	A novel pathway for amyloids self-assembly in aggregates at nanomolar concentration mediated by the interaction with surfaces. <i>Scientific Reports</i> , 2017, 7, 45592.	3.3	44
4	Nanoscale dynamics of centromere nucleosomes and the critical roles of CENP-A. <i>Nucleic Acids Research</i> , 2018, 46, 94-103.	14.5	41
5	Assembly of β -synuclein aggregates on phospholipid bilayers. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 802-812.	2.3	34
6	Cholesterol in Membranes Facilitates Aggregation of Amyloid β Protein at Physiologically Relevant Concentrations. <i>ACS Chemical Neuroscience</i> , 2021, 12, 506-516.	3.5	32
7	Nano-assembly of amyloid β peptide: role of the hairpin fold. <i>Scientific Reports</i> , 2017, 7, 2344.	3.3	29
8	Interaction of $A\beta_{42}$ with Membranes Triggers the Self-Assembly into Oligomers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1129.	4.1	29
9	Dynamics of the Interaction of RecG Protein with Stalled Replication Forks. <i>Biochemistry</i> , 2018, 57, 1967-1976.	2.5	21
10	Role of monomer arrangement in the amyloid self-assembly. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 218-228.	2.3	19
11	Free Cholesterol Accelerates $A\beta_{42}$ Self-Assembly on Membranes at Physiological Concentration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2803.	4.1	12
12	Spontaneous self-assembly of amyloid β ($1\text{--}40$) into dimers. <i>Nanoscale Advances</i> , 2019, 1, 3892-3899.	4.6	11
13	DNA Looping Mediated by Site-Specific Sfilâ€DNA Interactions. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4645-4653.	2.6	6
14	Site-Search Process for Synaptic Protein-DNA Complexes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 212.	4.1	6
15	Hybrid resolution molecular dynamics simulations of amyloid proteins interacting with membranes. <i>Methods</i> , 2022, 197, 89-96.	3.8	4
16	Aligned deposition and electrical measurements on single DNA molecules. <i>Nanotechnology</i> , 2015, 26, 475102.	2.6	3
17	Self-Assembly of Full-Size Amyloid Beta 40 Proteins in Dimers. <i>Biophysical Journal</i> , 2016, 110, 553a.	0.5	0
18	Aggregation of Amyloid Proteins at the Surface-Liquid Interface. <i>Biophysical Journal</i> , 2017, 112, 365a.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Restriction of RecG translocation by DNA mispairing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 130006.	2.4	0