

Afra Panahi

List of Publications by Year in descending order

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14
papers

396
citations

840776

11
h-index

1058476

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g-index

14
all docs

14
docs citations

14
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane Environment Modulates the pK_a Values of Transmembrane Helices. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4601-4607.	2.6	56
2	Probing Site-Specific Structural Information of Peptides at Model Membrane Interface In Situ. <i>Journal of the American Chemical Society</i> , 2015, 137, 10190-10198.	13.7	51
3	Dynamic Heterogeneous Dielectric Generalized Born (DHDGB): An Implicit Membrane Model with a Dynamically Varying Bilayer Thickness. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1709-1719.	5.3	43
4	Critical size dependence of domain formation observed in coarse-grained simulations of bilayers composed of ternary lipid mixtures. <i>Journal of Chemical Physics</i> , 2017, 147, 095101.	3.0	43
5	Specific Binding of Cholesterol to C99 Domain of Amyloid Precursor Protein Depends Critically on Charge State of Protein. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3535-3541.	4.6	35
6	Transferring the PRIMO Coarse-Grained Force Field to the Membrane Environment: Simulations of Membrane Proteins and Helix-Helix Association. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 3459-3472.	5.3	31
7	Conformational Sampling of Influenza Fusion Peptide in Membrane Bilayers as a Function of Termini and Protonation States. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1407-1416.	2.6	28
8	Exploring the structure and stability of cholesterol dimer formation in multicomponent lipid bilayers. <i>Journal of Computational Chemistry</i> , 2017, 38, 1479-1488.	3.3	25
9	M2 amphipathic helices facilitate pH-dependent conformational transition in influenza A virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3583-3591.	7.1	24
10	Exploring the impact of proteins on the line tension of a phase-separating ternary lipid mixture. <i>Journal of Chemical Physics</i> , 2019, 150, 204702.	3.0	18
11	Effect of flanking residues on the conformational sampling of the internal fusion peptide from Ebola virus. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 1109-1117.	2.6	13
12	Hamiltonian Mapping Revisited: Calibrating Minimalist Models to Capture Molecular Recognition by Intrinsically Disordered Proteins. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3441-3444.	4.6	11
13	Molecular Insights into Human Hereditary Apolipoprotein A-I Amyloidosis Caused by the Glu34Lys Mutation. <i>Biochemistry</i> , 2018, 57, 5738-5747.	2.5	9
14	Impact of Cholesterol Concentration and Lipid Phase on Structure and Fluctuation of Amyloid Precursor Protein. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10173-10185.	2.6	9