

Upayan Baul

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

399
citations

1162367

8
h-index

1125271

13
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14
all docs

14
docs citations

14
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence Effects on Size, Shape, and Structural Heterogeneity in Intrinsically Disordered Proteins. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3462-3474.	1.2	125
2	Synergy between intrinsically disordered domains and structured proteins amplifies membrane curvature sensing. <i>Nature Communications</i> , 2018, 9, 4152.	5.8	102
3	Isosteric substitution in cationic-amphiphilic polymers reveals an important role for hydrogen bonding in bacterial membrane interactions. <i>Chemical Science</i> , 2016, 7, 4613-4623.	3.7	57
4	Interaction of multiple biomimetic antimicrobial polymers with model bacterial membranes. <i>Journal of Chemical Physics</i> , 2014, 141, 084902.	1.2	39
5	Influence of lipid composition of model membranes on methacrylate antimicrobial polymer-membrane interactions. <i>Soft Matter</i> , 2017, 13, 7665-7676.	1.2	15
6	Ion hydration and associated defects in hydrogen bond network of water: Observation of reorientationally slow water molecules beyond first hydration shell in aqueous solutions of MgCl_2 . <i>Physical Review E</i> , 2015, 91, 012114.	0.8	14
7	Thermal Compaction of Disordered and Elastin-like Polypeptides: A Temperature-Dependent, Sequence-Specific Coarse-Grained Simulation Model. <i>Biomacromolecules</i> , 2020, 21, 3523-3538.	2.6	12
8	Structure and dynamics of responsive colloids with dynamical polydispersity. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 174002.	0.7	11
9	Aggregation dynamics of charged peptides in water: Effect of salt concentration. <i>Journal of Chemical Physics</i> , 2019, 151, 074901.	1.2	7
10	Effect of simple solutes on the long range dipolar correlations in liquid water. <i>Journal of Chemical Physics</i> , 2016, 144, 104502.	1.2	6
11	Modulating internal transition kinetics of responsive macromolecules by collective crowding. <i>Journal of Chemical Physics</i> , 2021, 155, 244902.	1.2	5
12	Membrane-Bound Conformations of Antimicrobial Agents and Their Modes of Action. <i>Behavior Research Methods</i> , 2015, 22, 97-128.	2.3	3
13	Controlling solvent quality by time: Self-avoiding sprints in nonequilibrium polymerization. <i>Physical Review E</i> , 2021, 104, 034501.	0.8	1