Julija Zavadlav

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4548078/publications.pdf

Version: 2024-02-01

19	481	623734	839539
papers	citations	14 h-index	18 g-index

19	19	19	329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptive resolution simulation of an atomistic protein in MARTINI water. Journal of Chemical Physics, 2014, 140, 054114.	3.0	74
2	Adaptive Resolution Simulation of MARTINI Solvents. Journal of Chemical Theory and Computation, 2014, 10, 2591-2598.	5.3	46
3	Adaptive Resolution Simulation of a DNA Molecule in Salt Solution. Journal of Chemical Theory and Computation, 2015, 11, 5035-5044.	5.3	46
4	Adaptive resolution simulation of polarizable supramolecular coarse-grained water models. Journal of Chemical Physics, 2015, 142, 244118.	3.0	39
5	Learning neural network potentials from experimental data via Differentiable Trajectory Reweighting. Nature Communications, 2021, 12, 6884.	12.8	36
6	Adaptive Resolution Simulation of Supramolecular Water: The Concurrent Making, Breaking, and Remaking of Water Bundles. Journal of Chemical Theory and Computation, 2016, 12, 4138-4145.	5.3	30
7	Order and interactions in DNA arrays: Multiscale molecular dynamics simulation. Scientific Reports, 2017, 7, 4775.	3.3	27
8	Adaptive resolution simulation of an atomistic DNA molecule in MARTINI salt solution. European Physical Journal: Special Topics, 2016, 225, 1595-1607.	2.6	25
9	Adaptive resolution simulations coupling atomistic water to dissipative particle dynamics. Journal of Chemical Physics, 2017, 147, 114110.	3.0	22
10	Open-Boundary Molecular Dynamics of a DNA Molecule in a Hybrid Explicit/Implicit Salt Solution. Biophysical Journal, 2018, 114, 2352-2362.	0.5	22
11	Adaptive resolution simulations of biomolecular systems. European Biophysics Journal, 2017, 46, 821-835.	2.2	20
12	Multiscale Simulation of Protein Hydration Using the SWINGER Dynamical Clustering Algorithm. Journal of Chemical Theory and Computation, 2018, 14, 1754-1761.	5.3	19
13	Bayesian selection for coarse-grained models of liquid water. Scientific Reports, 2019, 9, 99.	3.3	18
14	Accelerated Simulations of Molecular Systems through Learning of Effective Dynamics. Journal of Chemical Theory and Computation, 2022, 18, 538-549.	5.3	17
15	Molecular Dynamics Simulation of High Density DNA Arrays. Computation, 2018, 6, 3.	2.0	12
16	SWINGER: a clustering algorithm for concurrent coupling of atomistic and supramolecular liquids. Interface Focus, 2019, 9, 20180075.	3.0	11
17	Tuning the Dielectric Response of Water in Nanoconfinement through Surface Wettability. ACS Nano, 2021, 15, 20311-20318.	14.6	10
18	Back-mapping augmented adaptive resolution simulation. Journal of Chemical Physics, 2020, 153, 164118.	3.0	7

#	Article	IF	Citations
19	Extending the Adress Multiscale Scheme for Protein and Bilayer Applications. Biophysical Journal, 2016, 110, 643a-644a.	0.5	0