Julija Zavadlav

List of Publications by Year
in descending order

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

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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	Accelerated Simulations of Molecular Systems through Learning of Effective Dynamics. Journal of Chemical Theory and Computation, 2022, 18, 538-549.	5.3	17
2	Tuning the Dielectric Response of Water in Nanoconfinement through Surface Wettability. ACS Nano, 2021, 15, 20311-20318.	14.6	10
3	Learning neural network potentials from experimental data via Differentiable Trajectory Reweighting. Nature Communications, 2021, 12, 6884.	12.8	36
4	Back-mapping augmented adaptive resolution simulation. Journal of Chemical Physics, 2020, 153, 164118.	3.0	7
5	Bayesian selection for coarse-grained models of liquid water. Scientific Reports, 2019, 9, 99.	3.3	18
6	SWINGER: a clustering algorithm for concurrent coupling of atomistic and supramolecular liquids. Interface Focus, 2019, 9, 20180075.	3.0	11
7	Multiscale Simulation of Protein Hydration Using the SWINGER Dynamical Clustering Algorithm. Journal of Chemical Theory and Computation, 2018, 14, 1754-1761.	5.3	19
8	Open-Boundary Molecular Dynamics of a DNA Molecule in a Hybrid Explicit/Implicit Salt Solution. Biophysical Journal, 2018, 114, 2352-2362.	0.5	22
9	Molecular Dynamics Simulation of High Density DNA Arrays. Computation, 2018, 6, 3.	2.0	12
10	Adaptive resolution simulations coupling atomistic water to dissipative particle dynamics. Journal of Chemical Physics, 2017, 147, 114110.	3.0	22
11	Adaptive resolution simulations of biomolecular systems. European Biophysics Journal, 2017, 46, 821-835.	2.2	20
12	Order and interactions in DNA arrays: Multiscale molecular dynamics simulation. Scientific Reports, 2017, 7, 4775.	3.3	27
13	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
14	Adaptive resolution simulation of an atomistic DNA molecule in MARTINI salt solution. European Physical Journal: Special Topics, 2016, 225, 1595-1607.	2.6	25
15	Extending the Adress Multiscale Scheme for Protein and Bilayer Applications. Biophysical Journal, 2016, 110, 643a-644a.	0.5	0
16	Adaptive resolution simulation of polarizable supramolecular coarse-grained water models. Journal of Chemical Physics, 2015, 142, 244118.	3.0	39
17	Adaptive Resolution Simulation of a DNA Molecule in Salt Solution. Journal of Chemical Theory and Computation, 2015, 11, 5035-5044.	5.3	46
18	Adaptive resolution simulation of an atomistic protein in MARTINI water. Journal of Chemical Physics, 2014, 140, 054114.	3.0	74

#	Article	IF	Citations
19	Adaptive Resolution Simulation of MARTINI Solvents. Journal of Chemical Theory and Computation, 2014, 10, 2591-2598.	5.3	46