

Jessica A Nash

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

269
citations

1163117

8
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

672
citing authors

#	ARTICLE	IF	CITATIONS
1	Perspective: Computational chemistry software and its advancement as illustrated through three grand challenge cases for molecular science. <i>Journal of Chemical Physics</i> , 2018, 149, 180901.	3.0	72
2	Nitric Oxide-Releasing Electrospun Polymer Microfibers. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 426-432.	8.0	47
3	Characterization of Nucleic Acid Compaction with Histone-Mimic Nanoparticles through All-Atom Molecular Dynamics. <i>ACS Nano</i> , 2015, 9, 12374-12382.	14.6	28
4	Advances in Molecular Modeling of Nanoparticle–Nucleic Acid Interfaces. <i>Bioconjugate Chemistry</i> , 2017, 28, 3-10.	3.6	25
5	Design of Potent and Controllable Anticoagulants Using DNA Aptamers and Nanostructures. <i>Molecules</i> , 2016, 21, 202.	3.8	18
6	Progress in molecular modelling of DNA materials. <i>Molecular Simulation</i> , 2014, 40, 777-783.	2.0	17
7	Competitive annealing of multiple DNA origami: formation of chimeric origami. <i>New Journal of Physics</i> , 2016, 18, 115001.	2.9	15
8	Binding of single stranded nucleic acids to cationic ligand functionalized gold nanoparticles. <i>Biointerphases</i> , 2016, 11, 04B305.	1.6	13
9	Building capacity for undergraduate education and training in computational molecular science: A collaboration between the MERCURY consortium and the Molecular Sciences Software Institute. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26359.	2.0	9
10	ELECTRIC: Electric fields Leveraged from multipole Expansion Calculations in Tinker Rapid Interface Code. <i>Journal of Open Source Software</i> , 2020, 5, 2576.	4.6	9
11	Search for effective chemical quenching to arrest molecular assembly and directly monitor DNA nanostructure formation. <i>Nanoscale</i> , 2017, 9, 1637-1644.	5.6	8
12	Properties of DNA. , 2014, , 1125-1157.		5
13	Coding, Software Engineering, and Molecular Science – Teaching a Multidisciplinary Course to Chemistry Graduate Students. <i>ACS Symposium Series</i> , 0, , 159-171.	0.5	3