Joel D Mallory

List of Publications by Year
in descending order

13	187	1306789 7	1125271 13
papers	citations	h-index	g-index

16	16	16	211
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical Analysis Reveals the Cost and Benefit of Proofreading in Coronavirus Genome Replication. Journal of Physical Chemistry Letters, 2021, 12, 2691-2698.	2.1	4
2	Do We Understand the Mechanisms Used by Biological Systems to Correct Their Errors?. Journal of Physical Chemistry B, 2020, 124, 9289-9296.	1.2	9
3	Trade-Offs between Speed, Accuracy, and Dissipation in tRNA^{Ile} Aminoacylation. Journal of Physical Chemistry Letters, 2020, 11, 4001-4007.	2.1	8
4	Kinetic control of stationary flux ratios for a wide range of biochemical processes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8884-8889.	3.3	5
5	Magic numbers, quantum delocalization, and orientational disordering in anionic hydrogen and deuterium clusters. Journal of Chemical Physics, 2019, 150, 204305.	1.2	1
6	Trade-Offs between Error, Speed, Noise, and Energy Dissipation in Biological Processes with Proofreading. Journal of Physical Chemistry B, 2019, 123, 4718-4725.	1.2	33
7	Nuclear Quantum Effects and Thermodynamic Properties for Small (H₂O)_{1â€“21}X^{â€“} = F^{â€“},) Tj ETQq1 1 0.784314 rgBT		
8	Quantum-induced solid-solid transitions and melting in the Lennard-Jones LJ38 cluster. Journal of Chemical Physics, 2018, 149, 104305.	1.2	4
9	Quantum Melting and Isotope Effects from Diffusion Monte Carlo Studies of p-H₂ Clusters. Journal of Physical Chemistry A, 2017, 121, 6341-6348.	1.1	9
10	Diffusion Monte Carlo studies of MB-pol (H2O)2â^'6 and (D2O)2â^'6 clusters: Structures and binding energies. Journal of Chemical Physics, 2016, 145, .	1.2	35
11	Binding energies from diffusion Monte Carlo for the MB-pol H2O and D2O dimer: A comparison to experimental values. Journal of Chemical Physics, 2015, 143, 144303.	1.2	7
12	Assessing the Performance of the Diffusion Monte Carlo Method As Applied to the Water Monomer, Dimer, and Hexamer. Journal of Physical Chemistry A, 2015, 119, 6504-6515.	1.1	18
13	Metallophilic interactions from dispersion-corrected density-functional theory. Journal of Chemical Physics, 2014, 140, 18A504.	1.2	47