

Joel D Mallory

List of Publications by Year in descending order

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13
papers

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1306789

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16
times ranked

211
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallophilic interactions from dispersion-corrected density-functional theory. <i>Journal of Chemical Physics</i> , 2014, 140, 18A504.	1.2	47
2	Diffusion Monte Carlo studies of MB-pol (H ₂ O) ₂ and (D ₂ O) ₂ clusters: Structures and binding energies. <i>Journal of Chemical Physics</i> , 2016, 145, .	1.2	35
3	Trade-Offs between Error, Speed, Noise, and Energy Dissipation in Biological Processes with Proofreading. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4718-4725.	1.2	33
4	Assessing the Performance of the Diffusion Monte Carlo Method As Applied to the Water Monomer, Dimer, and Hexamer. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6504-6515.	1.1	18
5	Quantum Melting and Isotope Effects from Diffusion Monte Carlo Studies of <i>p</i> -H ₂ Clusters. <i>Journal of Physical Chemistry A</i> , 2017, 121, 6341-6348.	1.1	9
6	Do We Understand the Mechanisms Used by Biological Systems to Correct Their Errors?. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9289-9296.	1.2	9
7	Trade-Offs between Speed, Accuracy, and Dissipation in tRNA ^{Ile} Aminoacylation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4001-4007.	2.1	8
8	Binding energies from diffusion Monte Carlo for the MB-pol H ₂ O and D ₂ O dimer: A comparison to experimental values. <i>Journal of Chemical Physics</i> , 2015, 143, 144303.	1.2	7
9	Nuclear Quantum Effects and Thermodynamic Properties for Small (H ₂ O) ₁₋₂₁ X ⁺ Clusters (X ⁺ = F ⁺ , Tl ⁺ , Rb ⁺ , Cs ⁺ , K ⁺ , Na ⁺ , Li ⁺), <i>J. Phys. Chem. A</i> , 2018, 122, 10784-10791.	1.0	7
10	Kinetic control of stationary flux ratios for a wide range of biochemical processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8884-8889.	3.3	5
11	Quantum-induced solid-solid transitions and melting in the Lennard-Jones LJ38 cluster. <i>Journal of Chemical Physics</i> , 2018, 149, 104305.	1.2	4
12	Theoretical Analysis Reveals the Cost and Benefit of Proofreading in Coronavirus Genome Replication. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2691-2698.	2.1	4
13	Magic numbers, quantum delocalization, and orientational disordering in anionic hydrogen and deuterium clusters. <i>Journal of Chemical Physics</i> , 2019, 150, 204305.	1.2	1