Michele Invernizzi

List of Publications by Year
in descending order

13	1,128	686830 13	1125271 13
papers	citations	h-index	g-index

15	15	15	1347
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Promoting transparency and reproducibility in enhanced molecular simulations. Nature Methods, 2019, 16, 670-673.	9.0	655
2	Rethinking Metadynamics: From Bias Potentials to Probability Distributions. Journal of Physical Chemistry Letters, 2020, 11, 2731-2736.	2.1	106
3	Molecular dynamics simulations of liquid silica crystallization. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5348-5352.	3.3	78
4	A combined molecular dynamics and experimental study of two-step process enabling low-temperature formation of phase-pure Î±-FAPbI ₃. Science Advances, 2021, 7, .	4.7	49
5	Unified Approach to Enhanced Sampling. Physical Review X, 2020, 10, .	2.8	43
6	Coarse graining from variationally enhanced sampling applied to the Ginzburgâ€“Landau model. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3370-3374.	3.3	35
7	Exploration vs Convergence Speed in Adaptive-Bias Enhanced Sampling. Journal of Chemical Theory and Computation, 2022, 18, 3988-3996.	2.3	30
8	Superlubric-pinned transition in sliding incommensurate colloidal monolayers. Physical Review B, 2015, 92, .	1.1	26
9	Collective variables for the study of crystallisation. Molecular Physics, 2021, 119, .	0.8	25
10	Path integral molecular dynamics for fermions: Alleviating the sign problem with the Bogoliubov inequality. Journal of Chemical Physics, 2020, 152, 171102.	1.2	23
11	Attenuating the fermion sign problem in path integral Monte Carlo simulations using the Bogoliubov inequality and thermodynamic integration. Journal of Chemical Physics, 2020, 153, 234104.	1.2	23
12	Making the Best of a Bad Situation: A Multiscale Approach to Free Energy Calculation. Journal of Chemical Theory and Computation, 2019, 15, 2187-2194.	2.3	18
13	Enhanced Sampling of Transition States. Journal of Chemical Theory and Computation, 2019, 15, 2454-2459.	2.3	16