Ming Chen

List of Publications by Year
in descending order

20	762	566801 15	676716 22
papers	citations	h-index	g-index

23	23	23	756
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resorcinol Crystallization from the Melt: A New Ambient Phase and New â€œRiddlesâ€• Journal of the American Chemical Society, 2016, 138, 4881-4889.	6.6	74
2	Iridium-Catalyzed Enantioselective Allylic Substitution of Enol Silanes from Vinylogous Esters and Amides. Journal of the American Chemical Society, 2015, 137, 13972-13979.	6.6	69
3	Heating and flooding: A unified approach for rapid generation of free energy surfaces. Journal of Chemical Physics, 2012, 137, 024102.	1.2	66
4	Palladium-Catalyzed, Enantioselective Î±-Arylation of Î±-Fluorooxindoles. Organic Letters, 2017, 19, 1390-1393.	2.4	65
5	Iridiumâ€Catalyzed Enantioselective Allylic Substitution of Unstabilized Enolates Derived from Î±,Î²â€Unsaturated Ketones. Angewandte Chemie - International Edition, 2014, 53, 8691-8695.	7.2	63
6	Iridiumâ€Catalyzed Regioâ€•and Enantioselective Allylic Substitution of Silyl Dienolates Derived from Dioxinones. Angewandte Chemie - International Edition, 2014, 53, 12172-12176.	7.2	61
7	Locating landmarks on high-dimensional free energy surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3235-3240.	3.3	49
8	Order-parameter-aided temperature-accelerated sampling for the exploration of crystal polymorphism and solid-liquid phase transitions. Journal of Chemical Physics, 2014, 140, 214109.	1.2	47
9	Collective variable-based enhanced sampling and machine learning. European Physical Journal B, 2021, 94, 211.	0.6	33
10	Iridiumâ€Catalyzed Regioâ€•and Enantioselective Allylic Substitution of Trisubstituted Allylic Electrophiles. Angewandte Chemie - International Edition, 2016, 55, 11651-11655.	7.2	31
11	Unfolding Hidden Barriers by Active Enhanced Sampling. Physical Review Letters, 2018, 121, 010601.	2.9	31
12	Overlapped embedded fragment stochastic density functional theory for covalently-bonded materials. Journal of Chemical Physics, 2019, 150, 034106.	1.2	25
13	ShieldNets: Defending Against Adversarial Attacks Using Probabilistic Adversarial Robustness. , 2019, , .		22
14	Sampling saddle points on a free energy surface. Journal of Chemical Physics, 2014, 140, 164109.	1.2	18
15	Energy window stochastic density functional theory. Journal of Chemical Physics, 2019, 151, 114116.	1.2	12
16	Stochastic embedding DFT: Theory and application to p-nitroaniline in water. Journal of Chemical Physics, 2019, 151, 174115.	1.2	12
17	Iridiumâ€Catalyzed Regioâ€•and Enantioselective Allylic Substitution of Trisubstituted Allylic Electrophiles. Angewandte Chemie, 2016, 128, 11823-11827.	1.6	11
18	Stochastic density functional theory: Real- and energy-space fragmentation for noise reduction. Journal of Chemical Physics, 2021, 154, 204108.	1.2	8

#	Article	IF	Citations
19	Dopant levels in large nanocrystals using stochastic optimally tuned range-separated hybrid density functional theory. Physical Review B, 2020, 102, .	1.1	5
20	Experimental calibration of the reduced partition function ratios of tetrahedrally coordinated silicon from the Debyeâ€“Waller factors. Contributions To Mineralogy and Petrology, 2021, 176, 1.	1.2	3