Viacheslav Bolnykh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5788944/publications.pdf

Version: 2024-02-01

10 papers	248 citations	1307543 7 h-index	1372553 10 g-index
14 all docs	14 docs citations	14 times ranked	201 citing authors

#	Article	IF	Citations
1	A universal co-solvent dilution strategy enables facile and cost-effective fabrication of perovskite photovoltaics. Nature Communications, 2022, 13, 89.	12.8	77
2	Accuracy of Molecular Simulation-Based Predictions of k_{off} Values: A Metadynamics Study. Journal of Physical Chemistry Letters, 2020, 11, 6373-6381.	4.6	41
3	Extreme Scalability of DFT-Based QM/MM MD Simulations Using MiMiC. Journal of Chemical Theory and Computation, 2019, 15, 5601-5613.	5.3	32
4	MiMiC: A Novel Framework for Multiscale Modeling in Computational Chemistry. Journal of Chemical Theory and Computation, 2019, 15, 3810-3823.	5.3	31
5	Recent Advances in First-Principles Based Molecular Dynamics. Accounts of Chemical Research, 2022, 55, 221-230.	15.6	22
6	Molecular Basis of CLC Antiporter Inhibition by Fluoride. Journal of the American Chemical Society, 2020, 142, 7254-7258.	13.7	20
7	Expanding the boundaries of ligandâ€“target modeling by exascale calculations. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2021, 11, e1535.	14.6	13
8	MiMiC: Multiscale Modeling in Computational Chemistry. Frontiers in Molecular Biosciences, 2020, 7, 45.	3.5	5
9	Biomolecular Simulation: A Perspective from High Performance Computing. Israel Journal of Chemistry, 2020, 60, 694-704.	2.3	2
10	Wavefunction-Based Electrostatic-Embedding QM/MM Using CFOUR through MiMiC. Journal of Chemical Theory and Computation, 2022, 18, 13-24.	5.3	2