Anton V Sinitskiy

List of Publications by Year
in descending order

13	297	1040056 9	1125743 13
papers	citations	h-index	g-index

15	15	15	457
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strong correlation in hydrogen chains and lattices using the variational two-electron reduced density matrix method. Journal of Chemical Physics, 2010, 133, 014104.	3.0	76
2	The Theory of Ultra-Coarse-Graining. 2. Numerical Implementation. Journal of Chemical Theory and Computation, 2014, 10, 5265-5275.	5.3	60
3	Cations Stiffen Actin Filaments by Adhering a Key Structural Element to Adjacent Subunits. Journal of Physical Chemistry B, 2016, 120, 4558-4567.	2.6	39
4	Computationally Discovered Potentiating Role of Glycans on NMDA Receptors. Scientific Reports, 2017, 7, 44578.	3.3	25
5	Highly Coarse-Grained Representations of Transmembrane Proteins. Journal of Chemical Theory and Computation, 2017, 13, 935-944.	5.3	17
6	Simulated Dynamics of Glycans on Ligand-Binding Domain of NMDA Receptors Reveals Strong Dynamic Coupling between Glycans and Protein Core. Journal of Chemical Theory and Computation, 2017, 13, 5496-5505.	5.3	17
7	Computational IR Spectroscopy of Insulin Dimer Structure and Conformational Heterogeneity. Journal of Physical Chemistry B, 2021, 125, 4620-4633.	2.6	14
8	Quantum mechanics/coarse-grained molecular mechanics (QM/CG-MM). Journal of Chemical Physics, 2018, 148, 014102.	3.0	11
9	A reductionist perspective on quantum statistical mechanics: Coarse-graining of path integrals. Journal of Chemical Physics, 2015, 143, 094104.	3.0	9
10	Intradomain Interactions in an NMDA Receptor Fragment Mediate N-Glycan Processing and Conformational Sampling. Structure, 2019, 27, 55-65.e3.	3.3	9
11	Phenomenological model of spin crossover in molecular crystals as derived from atomâ€“atom potentials. Physical Chemistry Chemical Physics, 2011, 13, 13238.	2.8	7
12	Computer Simulations Predict High Structural Heterogeneity of Functional State of NMDA Receptors. Biophysical Journal, 2018, 115, 841-852.	0.5	7
13	Theoretical restrictions on longest implicit time scales in Markov state models of biomolecular dynamics. Journal of Chemical Physics, 2018, 148, 044111.	3.0	4