Jianbo Zhao

List of Publications by Year
in descending order

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8 papers	136 citations	1478280 6 h-index	1588896 8 g-index
8 all docs	8 docs citations	8 times ranked	225 citing authors

#	Article	IF	Citations
1	Physicsâ€based allâ€atom modeling of <scp>RNA</scp> energetics and structure. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1422.	3.2	32
2	Predicting the Kinetics of RNA Oligonucleotides Using Markov State Models. Journal of Chemical Theory and Computation, 2017, 13, 926-934.	2.3	26
3	Crystal structure of a poly(rA) staggered zipper at acidic pH: evidence that adenine N1 protonation mediates parallel double helix formation. Nucleic Acids Research, 2016, 44, 8417-8424.	6.5	24
4	Nuclear Magnetic Resonance of Single-Stranded RNAs and DNAs of CAAU and UCAAUC as Benchmarks for Molecular Dynamics Simulations. Journal of Chemical Theory and Computation, 2020, 16, 1968-1984.	2.3	22
5	Accurate geometrical restraints for Watsonâ€“Crick base pairs. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 235-245.	0.5	14
6	Nuclear Magnetic Resonance Spectra and AMBER OL3 and ROC-RNA Simulations of UCUCGU Reveal Force Field Strengths and Weaknesses for Single-Stranded RNA. Journal of Chemical Theory and Computation, 2022, 18, 1241-1254.	2.3	11
7	Nuclear Magnetic Resonance Structure of an 8 Ã— 8 Nucleotide RNA Internal Loop Flanked on Each Side by Three Watsonâ€“Crick Pairs and Comparison to Three-Dimensional Predictions. Biochemistry, 2017, 56, 3733-3744.	1.2	4
8	Ab initio molecular dynamics studies on the growth of ammonium chloride clusters. Theoretical Chemistry Accounts, 2013, 132, 1.	0.5	3