William M Jacobs

List of Publications by Year
in descending order

24	1,325	516710 16	794594 19
papers	citations	h-index	g-index

25	25	25	1745
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-assembly of photonic crystals by controlling the nucleation and growth of DNA-coated colloids. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	28
2	Self-Assembly of Biomolecular Condensates with Shared Components. Physical Review Letters, 2021, 126, 258101.	7.8	43
3	Cotranslational folding allows misfolding-prone proteins to circumvent deep kinetic traps. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1485-1495.	7.1	44
4	Effect of Protein Structure on Evolution of Cotranslational Folding. Biophysical Journal, 2020, 119, 1123-1134.	0.5	19
5	Competing Protein-RNA Interaction Networks Control Multiphase Intracellular Organization. Cell, 2020, 181, 306-324.e28.	28.9	543
6	Validation of DBFOLD: An efficient algorithm for computing folding pathways of complex proteins. PLoS Computational Biology, 2020, 16, e1008323.	3.2	11
7	Validation of DBFOLD: An efficient algorithm for computing folding pathways of complex proteins. , 2020, 16, e1008323.		0
8	Validation of DBFOLD: An efficient algorithm for computing folding pathways of complex proteins. , 2020, 16, e1008323.		0
9	Validation of DBFOLD: An efficient algorithm for computing folding pathways of complex proteins. , 2020, 16, e1008323.		0
10	Validation of DBFOLD: An efficient algorithm for computing folding pathways of complex proteins. , 2020, 16, e1008323.		0
11	Validation of DBFOLD: An efficient algorithm for computing folding pathways of complex proteins. , 2020, 16, e1008323.		0
12	Accurate Protein-Folding Transition-Path Statistics from a Simple Free-Energy Landscape. Journal of Physical Chemistry B, 2018, 122, 11126-11136.	2.6	13
13	Accessibility of the Shine-Dalgarno Sequence Dictates N-Terminal Codon Bias in E.Âcoli. Molecular Cell, 2018, 70, 894-905.e5.	9.7	58
14	Direct observation and rational design of nucleation behavior in addressable self-assembly. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5877-E5886.	7.1	22
15	Phase Transitions in Biological Systems with Many Components. Biophysical Journal, 2017, 112, 683-691.	0.5	121
16	Evidence of evolutionary selection for cotranslational folding. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11434-11439.	7.1	90
17	Oligomers of Heat-Shock Proteins: Structures That Donâ€™t Imply Function. PLoS Computational Biology, 2016, 12, e1004756.	3.2	9
18	Structure-Based Prediction of Protein-Folding Transition Paths. Biophysical Journal, 2016, 111, 925-936.	0.5	27

#	Article	IF	Citations
19	Self-Assembly of Structures with Addressable Complexity. Journal of the American Chemical Society, 2016, 138, 2457-2467.	13.7	73
20	Rational design of self-assembly pathways for complex multicomponent structures. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6313-6318.	7.1	97
21	Communication: Theoretical prediction of free-energy landscapes for complex self-assembly. Journal of Chemical Physics, 2015, 142, 021101.	3.0	34
22	Self-assembly protocol design for periodic multicomponent structures. Soft Matter, 2015, 11, 8930-8938.	2.7	17
23	Phase separation in solutions with specific and nonspecific interactions. Journal of Chemical Physics, 2014, 140, 204109.	3.0	29
24	Predicting phase behavior in multicomponent mixtures. Journal of Chemical Physics, 2013, 139, 024108.	3.0	46