John J Portman

List of Publications by Year
in descending order

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15	540	933447 10	996975 15
papers	citations	h-index	g-index

15	15	15	465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerging accessibility patterns in long telomeric overhangs. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	9
2	Coarse-grained molecular simulations of allosteric cooperativity. Journal of Chemical Physics, 2016, 144, 105101.	3.0	8
3	Comparing allosteric transitions in the domains of calmodulin through coarse-grained simulations. Journal of Chemical Physics, 2016, 144, 105102.	3.0	5
4	Allostery and Folding of the N-terminal Receiver Domain of Protein NtrC. Journal of Physical Chemistry B, 2013, 117, 13182-13193.	2.6	5
5	Conformational flexibility and the mechanisms of allosteric transitions in topologically similar proteins. Journal of Chemical Physics, 2011, 135, 075104.	3.0	11
6	Cooperativity and protein folding rates. Current Opinion in Structural Biology, 2010, 20, 11-15.	5.7	26
7	Inherent flexibility determines the transition mechanisms of the EF-hands of calmodulin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2104-2109.	7.1	63
8	Variationally Determined Free Energy Profiles for Structural Models of Proteins:â€‰ Characteristic Temperatures for Folding and Trapping. Journal of Physical Chemistry B, 2008, 112, 6074-6082.	2.6	8
9	Capillarity-like growth of protein folding nuclei. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11164-11169.	7.1	10
10	Inherent flexibility and protein function: The open/closed conformational transition in the N-terminal domain of calmodulin. Journal of Chemical Physics, 2008, 128, 205104.	3.0	22
11	Excluded volume, local structural cooperativity, and the polymer physics of protein folding rates. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10841-10846.	7.1	20
12	Non-Gaussian dynamics from a simulation of a short peptide: Loop closure rates and effective diffusion coefficients. Journal of Chemical Physics, 2003, 118, 2381-2391.	3.0	60
13	Microscopic theory of protein folding rates. II. Local reaction coordinates and chain dynamics. Journal of Chemical Physics, 2001, 114, 5082-5096.	3.0	164
14	Microscopic theory of protein folding rates. I. Fine structure of the free energy profile and folding routes from a variational approach. Journal of Chemical Physics, 2001, 114, 5069-5081.	3.0	99
15	Complementary Variational Approximations for Intermittency and Reaction Dynamics in Fluctuating Environments. Journal of Physical Chemistry A, 1999, 103, 10602-10610.	2.5	30