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	Microscopic theory of protein folding rates. II. Local reaction coordinates and chain dynamics. Journal of Chemical Physics, 2001, 114, 5082-5096.	3.0	164
2	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
3	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
4	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
5	Complementary Variational Approximations for Intermittency and Reaction Dynamics in Fluctuating Environments. Journal of Physical Chemistry A, 1999, 103, 10602-10610.	2.5	30
6	Cooperativity and protein folding rates. Current Opinion in Structural Biology, 2010, 20, 11-15.	5.7	26
7	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
8	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
9	Conformational flexibility and the mechanisms of allosteric transitions in topologically similar proteins. Journal of Chemical Physics, 2011, 135, 075104.	3.0	11
10	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
11	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
12	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
13	Coarse-grained molecular simulations of allosteric cooperativity. Journal of Chemical Physics, 2016, 144, 105101.	3.0	8
14	Allostery and Folding of the N-terminal Receiver Domain of Protein NtrC. Journal of Physical Chemistry B, 2013, 117, 13182-13193.	2.6	5
15	Comparing allosteric transitions in the domains of calmodulin through coarse-grained simulations. Journal of Chemical Physics, 2016, 144, 105102.	3.0	5