Weixin Xu

List of Publications by Year
in descending order

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17	464	623188	887659
papers	citations	14 h-index	17 g-index

17	17	17	753
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Molecular Basis of Distinct Aggregation Pathways of Islet Amyloid Polypeptide. Journal of Biological Chemistry, 2011, 286, 6291-6300.	1.6	104
2	Amyloidogenesis Abolished by Proline Substitutions but Enhanced by Lipid Binding. PLoS Computational Biology, 2009, 5, e1000357.	1.5	39
3	Acidic pH retards the fibrillization of human islet amyloid polypeptide due to electrostatic repulsion of histidines. Journal of Chemical Physics, 2013, 139, 055102.	1.2	38
4	Conformation Preorganization: Effects of S20G Mutation on the Structure of Human Islet Amyloid Polypeptide Segment. Journal of Physical Chemistry B, 2009, 113, 7308-7314.	1.2	30
5	Assembly dynamics of two-Î² sheets revealed by molecular dynamics simulations. Journal of Chemical Physics, 2009, 130, 164709.	1.2	28
6	Effects of cholesterol on pore formation in lipid bilayers induced by human islet amyloid polypeptide fragments: A coarse-grained molecular dynamics study. Physical Review E, 2011, 84, 051922.	0.8	27
7	Intrinsic Determinants of AÎ²12â€“24 pH-Dependent Self-Assembly Revealed by Combined Computational and Experimental Studies. PLoS ONE, 2011, 6, e24329.	1.1	26
8	Reversible folding simulation by hybrid Hamiltonian replica exchange. Journal of Chemical Physics, 2008, 128, 175105.	1.2	25
9	Ab initio folding simulation of Trpcage by replica exchange with hybrid Hamiltonian. Biophysical Chemistry, 2008, 137, 116-125.	1.5	24
10	Configuration-Dependent Diffusion Dynamics of Downhill and Two-State Protein Folding. Journal of Physical Chemistry B, 2012, 116, 5152-5159.	1.2	23
11	Effect of Self-Assembly of Fullerene Nano-Particles on Lipid Membrane. PLoS ONE, 2013, 8, e77436.	1.1	21
12	Hybrid Hamiltonian replica exchange molecular dynamics simulation method employing the Poissonâ€“Boltzmann model. Journal of Chemical Physics, 2007, 127, 084119.	1.2	19
13	Dynamical Stability and Assembly Cooperativity of Î²-Sheet Amyloid Oligomers â€“ Effect of Polarization. Journal of Physical Chemistry B, 2012, 116, 13368-13373.	1.2	19
14	Molecular Dynamics Simulation Study on the Molecular Structures of the Amylin Fibril Models. Journal of Physical Chemistry B, 2012, 116, 13991-13999.	1.2	19
15	pH-Dependent Conformational Ensemble and Polymorphism of Amyloid-Î² Core Fragment. Journal of Physical Chemistry B, 2013, 117, 8392-8399.	1.2	13
16	Global optimisation by replica exchange with scaled hybrid Hamiltonians. Molecular Simulation, 2008, 34, 575-590.	0.9	7
17	A GLOBAL OPTIMIZATION SCHEME: KERNEL REPLICA EXCHANGE SIMULATION METHOD FOR PROTEIN FOLDING. Journal of Theoretical and Computational Chemistry, 2008, 07, 177-187.	1.8	2