# 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 | pH-Dependent Conformational Ensemble and Polymorphism of Amyloid-Î² Core Fragment. Journal of Physical Chemistry B, 2013, 117, 8392-8399. | 1.2 | 13 |
| 2 | 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 |
| 3 | Effect of Self-Assembly of Fullerene Nano-Particles on Lipid Membrane. PLoS ONE, 2013, 8, e77436. | 1.1 | 21 |
| 4 | 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 |
| 5 | Configuration-Dependent Diffusion Dynamics of Downhill and Two-State Protein Folding. Journal of Physical Chemistry B, 2012, 116, 5152-5159. | 1.2 | 23 |
| 6 | 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 |
| 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 | 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 |
| 9 | The Molecular Basis of Distinct Aggregation Pathways of Islet Amyloid Polypeptide. Journal of Biological Chemistry, 2011, 286, 6291-6300. | 1.6 | 104 |
| 10 | Amyloidogenesis Abolished by Proline Substitutions but Enhanced by Lipid Binding. PLoS Computational Biology, 2009, 5, e1000357. | 1.5 | 39 |
| 11 | Assembly dynamics of two-Î² sheets revealed by molecular dynamics simulations. Journal of Chemical Physics, 2009, 130, 164709. | 1.2 | 28 |
| 12 | 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 |
| 13 | Ab initio folding simulation of Trpcage by replica exchange with hybrid Hamiltonian. Biophysical Chemistry, 2008, 137, 116-125. | 1.5 | 24 |
| 14 | 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 |
| 15 | Global optimisation by replica exchange with scaled hybrid Hamiltonians. Molecular Simulation, 2008, 34, 575-590. | 0.9 | 7 |
| 16 | Reversible folding simulation by hybrid Hamiltonian replica exchange. Journal of Chemical Physics, 2008, 128, 175105. | 1.2 | 25 |
| 17 | Hybrid Hamiltonian replica exchange molecular dynamics simulation method employing the Poissonâ€“Boltzmann model. Journal of Chemical Physics, 2007, 127, 084119. | 1.2 | 19 |