Wenhui Xi

List of Publications by Year
in descending order

25	971	623574	610775
papers	citations	14	24
		h-index	g-index

30	30	30	1422
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Ensembles: How Does Nature Harness Thermodynamic Fluctuations for Life? The Diverse Functional Roles of Conformational Ensembles in the Cell. Chemical Reviews, 2016, 116, 6516-6551.	23.0	302
2	The molecular mechanism of fullerene-inhibited aggregation of Alzheimer's β-amyloid peptide fragment. Nanoscale, 2014, 6, 9752-9762.	2.8	135
3	Tunable assembly of amyloid-forming peptides into nanosheets as a retrovirus carrier. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2996-3001.	3.3	123
4	Interactions of a Water-Soluble Fullerene Derivative with Amyloid-β Protofibrils: Dynamics, Binding Mechanism, and the Resulting Salt-Bridge Disruption. Journal of Physical Chemistry B, 2014, 118, 6733-6741.	1.2	50
5	Synergistic Inhibitory Effect of Peptide–Organic Coassemblies on Amyloid Aggregation. ACS Nano, 2016, 10, 4143-4153.	7.3	47
6	Atomic-Level Study of the Effects of O4 Molecules on the Structural Properties of Protofibrillar Aβ Trimer: β-Sheet Stabilization, Salt Bridge Protection, and Binding Mechanism. Journal of Physical Chemistry B, 2015, 119, 2786-2794.	1.2	40
7	Simulating Protein Fold Switching by Replica Exchange with Tunneling. Journal of Chemical Theory and Computation, 2016, 12, 5656-5666.	2.3	31
8	Fibril–Barrel Transitions in Cylindrin Amyloids. Journal of Chemical Theory and Computation, 2017, 13, 3936-3944.	2.3	28
9	Ring-like N-fold Models of Aβ42 fibrils. Scientific Reports, 2017, 7, 6588.	1.6	26
10	On the Conformational Dynamics of β-Amyloid Forming Peptides: A Computational Perspective. Frontiers in Bioengineering and Biotechnology, 2020, 8, 532.	2.0	23
11	Out-of-Register Aβ_{42} Assemblies as Models for Neurotoxic Oligomers and Fibrils. Journal of Chemical Theory and Computation, 2018, 14, 1099-1110.	2.3	22
12	Stability of a Recently Found Triple-β-Stranded Aβ1–42 Fibril Motif. Journal of Physical Chemistry B, 2016, 120, 4548-4557.	1.2	21
13	Evaluation of residue-residue contact prediction methods: From retrospective to prospective. PLoS Computational Biology, 2021, 17, e1009027.	1.5	19
14	Template Induced Conformational Change of Amyloid-β Monomer. Journal of Physical Chemistry B, 2012, 116, 7398-7405.	1.2	17
15	The effect of retro-inverse D-amino acid Aβ-peptides on Aβ-fibril formation. Journal of Chemical Physics, 2019, 150, 095101.	1.2	14
16	Bioinformatics Screening of Potential Biomarkers from mRNA Expression Profiles to Discover Drug Targets and Agents for Cervical Cancer. International Journal of Molecular Sciences, 2022, 23, 3968.	1.8	13
17	Inhibitory effect of hydrophobic fullerenes on the β-sheet-rich oligomers of a hydrophilic GNNQQNY peptide revealed by atomistic simulations. RSC Advances, 2017, 7, 13947-13956.	1.7	12
18	Stability of the N-Terminal Helix and Its Role in Amyloid Formation of Serum Amyloid A. ACS Omega, 2018, 3, 16184-16190.	1.6	10

#	Article	IF	Citations
19	Large fatty acid-derived AÎ²42 oligomers form ring-like assemblies. Journal of Chemical Physics, 2019, 150, 075101.	1.2	9
20	Identification of Autism spectrum disorder based on a novel feature selection method and Variational Autoencoder. Computers in Biology and Medicine, 2022, 148, 105854.	3.9	9
21	Protein Residue Contact Prediction Based on Deep Learning and Massive Statistical Features from Multi-Sequence Alignment. Tsinghua Science and Technology, 2022, 27, 843-854.	4.1	8
22	Conversion between parallel and antiparallel Î²-sheets in wild-type and Iowa mutant AÎ²40 fibrils. Journal of Chemical Physics, 2018, 148, 045103.	1.2	6
23	Stability of AÎ²â€‹fibril fragments in the presence of fatty acids. Protein Science, 2019, 28, 1973-1981.	3.1	3
24	Inter-Residue Distance Prediction From Duet Deep Learning Models. Frontiers in Genetics, 2022, 13, .	1.1	3
25	STRUCTURAL INSIGHT INTO THE POLYMORPHISM OF NNQNTF PROTOFIBRIL: IMPORTANCE OF INTERFACIAL WATER, POLAR AND AROMATIC RESIDUES. Journal of Theoretical and Computational Chemistry, 2013, 12, 1341012.	1.8	0