

Yiming Wang

List of Publications by Year in descending order

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18
papers

743
citations

1039880

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794469

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all docs

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docs citations

19
times ranked

717
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural insights into peptide self-assembly using photo-induced crosslinking experiments and discontinuous molecular dynamics. <i>AICHE Journal</i> , 2021, 67, e17101.	1.8	4
2	Amyloid Oligomers: A Joint Experimental/Computational Perspective on Alzheimer's Disease, Parkinson's Disease, Type II Diabetes, and Amyotrophic Lateral Sclerosis. <i>Chemical Reviews</i> , 2021, 121, 2545-2647.	23.0	406
3	CATCH Peptides Coassemble into Structurally Heterogeneous β -Sheet Nanofibers with Little Preference to β -Strand Alignment. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4004-4015.	1.2	7
4	De novo design of peptides that coassemble into β sheet-based nanofibrils. <i>Science Advances</i> , 2021, 7, eabf7668.	4.7	20
5	Engineering β -Sheet Peptide Coassemblies for Biomaterial Applications. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13599-13609.	1.2	10
6	Development of a coarse-grained lipid model, LIME 2.0, for DSPE using multistate iterative Boltzmann inversion and discontinuous molecular dynamics simulations. <i>Fluid Phase Equilibria</i> , 2020, 521, 112704.	1.4	4
7	Molecular complementarity and structural heterogeneity within co-assembled peptide β -sheet nanofibers. <i>Nanoscale</i> , 2020, 12, 4506-4518.	2.8	23
8	Anatomy of a selectively coassembled β -sheet peptide nanofiber. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4710-4717.	3.3	32
9	Thermodynamic phase diagram of amyloid- β (16-22) peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2091-2096.	3.3	63
10	Molecular insights into the surface-catalyzed secondary nucleation of amyloid- β ($A\beta$). <i>Journal of Biological Chemistry</i> , 2019, 294, 1075-1084.	4.7	54
11	Differential Misfolding Properties of Glaucoma-Associated Olfactomedin Domains from Humans and Mice. <i>Biochemistry</i> , 2019, 58, 1718-1727.	1.2	9
12	Seeding and cross-seeding fibrillation of N-terminal prion protein peptides PrP(120-144). <i>Protein Science</i> , 2018, 27, 1304-1313.	3.1	12
13	Simulations and Experiments Delineate Amyloid Fibrilization by Peptides Derived from Glaucoma-Associated Myocilin. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5845-5850.	1.2	9
14	Modulation of phase transition of thermosensitive liposomes with leucine zipper-structured lipopeptides. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15916-15925.	1.3	3
15	Amyloid Beta Aggregation in the Presence of Naturally-Derived Inhibitors. <i>Biophysical Journal</i> , 2017, 112, 365a.	0.2	1
16	Aggregation of $A\beta$ (17-36) in the Presence of Naturally Occurring Phenolic Inhibitors Using Coarse-Grained Simulations. <i>Journal of Molecular Biology</i> , 2017, 429, 3893-3908.	2.0	45
17	Extended Concerted Rotation Technique Enhances the Sampling Efficiency of the Computational Peptide-Design Algorithm. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 5709-5720.	2.3	12
18	N-terminal Prion Protein Peptides (PrP(120-144)) Form Parallel In-register β -Sheets via Multiple Nucleation-dependent Pathways. <i>Journal of Biological Chemistry</i> , 2016, 291, 22093-22105.	1.6	27