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List of Publications by Year
in descending order

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43 papers	1,831 citations	279798 23 h-index	276875 41 g-index
44 all docs	44 docs citations	44 times ranked	2230 citing authors

#	Article	IF	Citations
1	Amyloid-mimicking toxic nanofibers generated via self-assembly of dopamine. Nanoscale, 2022, 14, 8649-8662.	5.6	9
2	Analyzing organophosphate pesticide-serum albumin binding interaction: a combined STD NMR and molecular docking study. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1865-1878.	3.5	8
3	Osmoprotectant Coated Thermostable Gold Nanoparticles Efficiently Restrict Temperature-Induced Amyloid Aggregation of Insulin. Journal of Physical Chemistry Letters, 2021, 12, 1803-1813.	4.6	14
4	Genesis of Neurotoxic Hybrid Nanofibers from the Coassembly of Aromatic Amino Acids. ACS Applied Materials & Interfaces, 2021, 13, 36722-36736.	8.0	13
5	Evidence of Anti-amyloid Characteristics of Plumbagin via Inhibition of Protein Aggregation and Disassembly of Protein Fibrils. Biomacromolecules, 2021, 22, 3692-3703.	5.4	15
6	The intrinsic amyloidogenic propensity of cofilin-1 is aggravated by Cys-80 oxidation: A possible link with neurodegenerative diseases. Biochemical and Biophysical Research Communications, 2021, 569, 187-192.	2.1	5
7	In vitro interaction of organophosphate metabolites with bovine serum albumin: A comparative 1H NMR, fluorescence and molecular docking analysis. Pesticide Biochemistry and Physiology, 2020, 163, 39-50.	3.6	18
8	Myricetin inhibits amyloid fibril formation of globular proteins by stabilizing the native structures. Colloids and Surfaces B: Biointerfaces, 2020, 186, 110640.	5.0	22
9	Piperine-Coated Gold Nanoparticles Alleviate Paraquat-Induced Neurotoxicity in Drosophila melanogaster. ACS Chemical Neuroscience, 2020, 11, 3772-3785.	3.5	24
10	Protein Aggregation, Related Pathologies, and Aging. , 2020, , 419-441.		0
11	Amyloid cross-seeding raises new dimensions to understanding of amyloidogenesis mechanism. Ageing Research Reviews, 2019, 56, 100937.	10.9	43
12	Self-Assembly of Artificial Sweetener Aspartame Yields Amyloid-like Cytotoxic Nanostructures. ACS Nano, 2019, 13, 6033-6049.	14.6	37
13	AÎ² 1-40 mediated aggregation of proteins and metabolites unveils the relevance of amyloid cross-seeding in amyloidogenesis. Biochemical and Biophysical Research Communications, 2018, 501, 158-164.	2.1	18
14	An Aggregate Weight-Normalized Thioflavin-T Measurement Scale for Characterizing Polymorphic Amyloids and Assembly Intermediates. Methods in Molecular Biology, 2018, 1777, 121-144.	0.9	23
15	Tyrosine-Generated Nanostructures Initiate Amyloid Cross-Seeding in Proteins Leading to a Lethal Aggregation Trap. Biochemistry, 2018, 57, 5202-5209.	2.5	28
16	Biophysical Characterization of SG2NA Variants and their Interaction with DJ-1 and Calmodulin in vitro. Cell Biochemistry and Biophysics, 2018, 76, 451-461.	1.8	6
17	Eugenol prevents amyloid formation of proteins and inhibits amyloid-induced hemolysis. Scientific Reports, 2017, 7, 40744.	3.3	52
18	Uniform, Polycrystalline, and Thermostable Piperine-Coated Gold Nanoparticles to Target Insulin Fibril Assembly. ACS Biomaterials Science and Engineering, 2017, 3, 1136-1145.	5.2	36

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19	Backbone Engineering within a Latent Î²-Hairpin Structure to Design Inhibitors of Polyglutamine Amyloid Formation. Journal of Molecular Biology, 2017, 429, 308-323.	4.2	21
20	Intrinsic property of phenylalanine to trigger protein aggregation and hemolysis has a direct relevance to phenylketonuria. Scientific Reports, 2017, 7, 11146.	3.3	53
21	Strategically Designed Antifibrotic Gold Nanoparticles to Prevent Collagen Fibril Formation. Langmuir, 2017, 33, 13252-13261.	3.5	13
22	Rapid Î±-oligomer formation mediated by the AÎ² C terminus initiates an amyloid assembly pathway. Nature Communications, 2016, 7, 12419.	12.8	51
23	Capsaicin-Coated Silver Nanoparticles Inhibit Amyloid Fibril Formation of Serum Albumin. Biochemistry, 2016, 55, 3345-3348.	2.5	42
24	Huntingtin exon 1 fibrils feature an interdigitated Î²-hairpinâ€“based polyglutamine core. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1546-1551.	7.1	143
25	Huntingtin N-Terminal Fragment Fibrils have a Rigid Amyloid Core Flanked by Non-Amyloid Domains with Increased Dynamics. Biophysical Journal, 2015, 108, 385a-386a.	0.5	0
26	Capsaicin inhibits collagen fibril formation and increases the stability of collagen fibers. European Biophysics Journal, 2015, 44, 69-76.	2.2	24
27	Tyrosine- and tryptophan-coated gold nanoparticles inhibit amyloid aggregation of insulin. Amino Acids, 2015, 47, 2551-2560.	2.7	90
28	Evidence of Rapid Coaggregation of Globular Proteins during Amyloid Formation. Biochemistry, 2014, 53, 8001-8004.	2.5	41
29	Polyglutamine Amyloid Core Boundaries and Flanking Domain Dynamics in Huntingtin Fragment Fibrils Determined by Solid-State Nuclear Magnetic Resonance. Biochemistry, 2014, 53, 6653-6666.	2.5	74
30	Type I collagen prevents amyloid aggregation of hen egg white lysozyme. Biochemical and Biophysical Research Communications, 2014, 448, 480-484.	2.1	19
31	d-Polyglutamine Amyloid Recruits l-Polyglutamine Monomers and Kills Cells. Journal of Molecular Biology, 2014, 426, 816-829.	4.2	36
32	Levels of supramolecular chirality of polyglutamine aggregates revealed by vibrational circular dichroism. FEBS Letters, 2013, 587, 1638-1643.	2.8	31
33	Structural and Motional Investigations of Polyglutamine-Containing Amyloid Fibrils by Magic-Angle-Spinning Solid-State NMR. Biophysical Journal, 2013, 104, 181a.	0.5	1
34	Î²-Hairpin-Mediated Nucleation of Polyglutamine Amyloid Formation. Journal of Molecular Biology, 2013, 425, 1183-1197.	4.2	91
35	Assays for studying nucleated aggregation of polyglutamine proteins. Methods, 2011, 53, 246-254.	3.8	29
36	Critical nucleus size for disease-related polyglutamine aggregation is repeat-length dependent. Nature Structural and Molecular Biology, 2011, 18, 328-336.	8.2	187

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37	Thermodynamic properties of aqueous 4-hydroxyproline at different temperatures. Journal of Chemical Thermodynamics, 2010, 42, 597-604.	2.0	16
38	Aromatic Interactions Promote Self-Association of Collagen Triple-Helical Peptides to Higher-Order Structures. Biochemistry, 2009, 48, 7959-7968.	2.5	102
39	Tripleâ€helical peptides: An approach to collagen conformation, stability, and selfâ€association. Biopolymers, 2008, 89, 345-353.	2.4	165
40	Sequence dependence of kinetics and morphology of collagen model peptide selfâ€assembly into higher order structures. Protein Science, 2008, 17, 1086-1095.	7.6	31
41	Enhancement of thermal stability and inhibition of protein aggregation by osmolytic effect of hydroxyproline. Biopolymers, 2007, 87, 339-351.	2.4	55
42	Self-association of Collagen Triple Helic Peptides into Higher Order Structures. Journal of Biological Chemistry, 2006, 281, 33283-33290.	3.4	121
43	Thermodynamics of the interactions of calcium chloride with Î±-chymotrypsin. Journal of Chemical Thermodynamics, 2002, 34, 319-336.	2.0	24