Daniel E Otzen

List of Publications by Year
in descending order

258 papers	13,622 citations	22153 59 h-index	29157 104 g-index
293 all docs	293 docs citations	293 times ranked	13252 citing authors

#	Article	IF	Citations
1	Proliferation of amyloid-Î²42 aggregates occurs through a secondary nucleation mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9758-9763.	7.1	1,162
2	Proteinâ€“surfactant interactions: A tale of many states. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 562-591.	2.3	482
3	Half a century of amyloids: past, present and future. Chemical Society Reviews, 2020, 49, 5473-5509.	38.1	345
4	Amyloid adhesins are abundant in natural biofilms. Environmental Microbiology, 2007, 9, 3077-3090.	3.8	291
5	Protein Unfolding in Detergents: Effect of Micelle Structure, Ionic Strength, pH, and Temperature. Biophysical Journal, 2002, 83, 2219-2230.	0.5	263
6	ThT 101: a primer on the use of thioflavin T to investigate amyloid formation. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2017, 24, 1-16.	3.0	257
7	Functional amyloid in <i>Pseudomonas</i>. Molecular Microbiology, 2010, 77, 1009-1020.	2.5	256
8	Low-resolution structure of a vesicle disrupting Î±-synuclein oligomer that accumulates during fibrillation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3246-3251.	7.1	222
9	Aggregation and fibrillation of bovine serum albumin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1128-1138.	2.3	219
10	The Antimicrobial Mechanism of Action of Epsilon-Poly- <scp>l</scp> -Lysine. Applied and Environmental Microbiology, 2014, 80, 7758-7770.	3.1	218
11	The Role of Stable Î±-Synuclein Oligomers in the Molecular Events Underlying Amyloid Formation. Journal of the American Chemical Society, 2014, 136, 3859-3868.	13.7	218
12	The Changing Face of Glucagon Fibrillation: Structural Polymorphism and Conformational Imprinting. Journal of Molecular Biology, 2006, 355, 501-523.	4.2	211
13	Î±â€synuclein oligomers and fibrils: a spectrum of species, a spectrum of toxicities. Journal of Neurochemistry, 2019, 150, 522-534.	3.9	201
14	Functional Amyloids. Cold Spring Harbor Perspectives in Biology, 2019, 11, a033860.	5.5	200
15	Unique Identification of Supramolecular Structures in Amyloid Fibrils by Solidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 2118-2121.	13.8	195
16	Structural Changes in the Transition State of Protein Folding:â€‰ Alternative Interpretations of Curved Chevron Plots. Biochemistry, 1999, 38, 6499-6511.	2.5	184
17	SDS-Induced Fibrillation of Î±-Synuclein: An Alternative Fibrillation Pathway. Journal of Molecular Biology, 2010, 401, 115-133.	4.2	182
18	How Epigallocatechin Gallate Can Inhibit Î±-Synuclein Oligomer Toxicity in Vitro. Journal of Biological Chemistry, 2014, 289, 21299-21310.	3.4	172

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19	Biosurfactants and surfactants interacting with membranes and proteins: Same but different?. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 639-649.	2.6	171
20	Strategies to increase the reproducibility of protein fibrillization in plate reader assays. Analytical Biochemistry, 2010, 400, 270-281.	2.4	163
21	We find them here, we find them there: Functional bacterial amyloid. Cellular and Molecular Life Sciences, 2008, 65, 910-927.	5.4	162
22	Branching in Amyloid Fibril Growth. Biophysical Journal, 2009, 96, 1529-1536.	0.5	146
23	A SAXS Study of Glucagon Fibrillation. Journal of Molecular Biology, 2009, 387, 147-161.	4.2	145
24	Sequential pH-driven dimerization and stabilization of the N-terminal domain enables rapid spider silk formation. Nature Communications, 2014, 5, 3254.	12.8	134
25	Functional bacterial amyloid increases Pseudomonas biofilm hydrophobicity and stiffness. Frontiers in Microbiology, 2015, 6, 1099.	3.5	133
26	Interactions between folding factors and bacterial outer membrane proteins. Molecular Microbiology, 2005, 57, 326-346.	2.5	132
27	Activation, Inhibition, and Destabilization of Thermomyces lanuginosus Lipase by Detergents. Biochemistry, 2005, 44, 1719-1730.	2.5	132
28	The Role of Decorated SDS Micelles in Sub-CMC Protein Denaturation and Association. Journal of Molecular Biology, 2009, 391, 207-226.	4.2	130
29	Expression of Fap amyloids in <i><scp>P</scp>seudomonas aeruginosa</i>,<i><scp>P</scp>.Âfluorescens,</i> and <i><scp>P</scp>.Âputida</i> results in aggregation and increased biofilm formation. MicrobiologyOpen, 2013, 2, 365-382.	3.0	130
30	Curli Functional Amyloid Systems Are Phylogenetically Widespread and Display Large Diversity in Operon and Protein Structure. PLoS ONE, 2012, 7, e51274.	2.5	124
31	Unfolding of Î²-Sheet Proteins in SDS. Biophysical Journal, 2007, 92, 3674-3685.	0.5	116
32	Modulation of S6 Fibrillation by Unfolding Rates and Gatekeeper Residues. Journal of Molecular Biology, 2004, 341, 575-588.	4.2	115
33	Folding of DsbB in Mixed Micelles: A Kinetic Analysis of the Stability of a Bacterial Membrane Protein. Journal of Molecular Biology, 2003, 330, 641-649.	4.2	105
34	Î±-Lactalbumin is unfolded by all classes of surfactants but by different mechanisms. Journal of Colloid and Interface Science, 2009, 329, 273-283.	9.4	105
35	Coexistence of ribbon and helical fibrils originating from hIAPP _{20â€“29} revealed by quantitative nanomechanical atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2798-2803.	7.1	104
36	Coâ€existence of Two Different Î±â€Synuclein Oligomers with Different Core Structures Determined by Hydrogen/Deuterium Exchange Mass Spectrometry. Angewandte Chemie - International Edition, 2014, 53, 7560-7563.	13.8	103

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37	The Nâ€terminus of Î±â€synuclein is essential for both monomeric and oligomeric interactions with membranes. FEBS Letters, 2014, 588, 497-502.	2.8	102
38	Amyloid structure â€“ one but not the same: the many levels of fibrillar polymorphism. FEBS Journal, 2010, 277, 4591-4601.	4.7	101
39	Functional amyloid. Prion, 2010, 4, 256-264.	1.8	98
40	Assays for Î±-synuclein aggregation. Methods, 2011, 53, 295-305.	3.8	98
41	Structure of a Functional Amyloid Protein Subunit Computed Using Sequence Variation. Journal of the American Chemical Society, 2015, 137, 22-25.	13.7	98
42	Conformational plasticity in folding of the split Î²-Î±-Î² protein S6: evidence for burst-phase disruption of the native state 1 1Edited by A. R. Fersht. Journal of Molecular Biology, 2002, 317, 613-627.	4.2	96
43	Interactions between misfolded protein oligomers and membranes: A central topic in neurodegenerative diseases?. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1897-1907.	2.6	91
44	Fibrillation of the Major Curli Subunit CsgA under a Wide Range of Conditions Implies a Robust Design of Aggregation. Biochemistry, 2011, 50, 8281-8290.	2.5	89
45	Detection of Pathogenic Biofilms with Bacterial Amyloid Targeting Fluorescent Probe, CDy11. Journal of the American Chemical Society, 2016, 138, 402-407.	13.7	82
46	The Influence of Vesicle Size and Composition on Î±-Synuclein Structure and Stability. Biophysical Journal, 2009, 96, 2857-2870.	0.5	79
47	Global Study of Myoglobinâ^'Surfactant Interactions. Langmuir, 2008, 24, 399-407.	3.5	78
48	Structural basis for cyclodextrins' suppression of human growth hormone aggregation. Protein Science, 2009, 11, 1779-1787.	7.6	77
49	Amyloidâ€"a state in many guises: Survival of the fittest fibril fold. Protein Science, 2008, 17, 2-10.	7.6	75
50	Epigallocatechin Gallate Remodels Overexpressed Functional Amyloids in Pseudomonas aeruginosa and Increases Biofilm Susceptibility to Antibiotic Treatment. Journal of Biological Chemistry, 2016, 291, 26540-26553.	3.4	75
51	Adsorption of azo dyes by a novel bio-nanocomposite based on whey protein nanofibrils and nano-clay: Equilibrium isotherm and kinetic modeling. Journal of Colloid and Interface Science, 2021, 602, 490-503.	9.4	74
52	Burst-phase expansion of native protein prior to global unfolding in SDS. Journal of Molecular Biology, 2002, 315, 1231-1240.	4.2	73
53	In vitro and in silico assessment of the developability of a designed monoclonal antibody library. MAbs, 2019, 11, 388-400.	5.2	72
54	Amyloid Formation in Surfactants and Alcohols: Membrane Mimetics or Structural Switchers?. Current Protein and Peptide Science, 2010, 11, 355-371.	1.4	69

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55	Potent Î±-Synuclein Aggregation Inhibitors, Identified by High-Throughput Screening, Mainly Target the Monomeric State. Cell Chemical Biology, 2018, 25, 1389-1402.e9.	5.2	68
56	Folding of outer membrane proteins. Archives of Biochemistry and Biophysics, 2013, 531, 34-43.	3.0	67
57	High Stability and Cooperative Unfolding of Î±-Synuclein Oligomers. Biochemistry, 2014, 53, 6252-6263.	2.5	67
58	Alterations in Blood Monocyte Functions in Parkinson's Disease. Movement Disorders, 2019, 34, 1711-1721.	3.9	67
59	Widespread Abundance of Functional Bacterial Amyloid in Mycolata and Other Gram-Positive Bacteria. Applied and Environmental Microbiology, 2009, 75, 4101-4110.	3.1	66
60	Physical Determinants of Amyloid Assembly in Biofilm Formation. MBio, 2019, 10, .	4.1	66
61	Effect of proteinâ€“surfactant interactions on aggregation of Î²-lactoglobulin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 713-723.	2.3	65
62	Electrostatics in the active site of an alpha-amylase. FEBS Journal, 1999, 264, 816-824.	0.2	63
63	Proteins in a brave new surfactant world. Current Opinion in Colloid and Interface Science, 2015, 20, 161-169.	7.4	63
64	Cooperative folding of a polytopic Î±-helical membrane protein involves a compact N-terminal nucleus and nonnative loops. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7978-7983.	7.1	60
65	Evolutionary Insight into the Functional Amyloids of the Pseudomonads. PLoS ONE, 2013, 8, e76630.	2.5	56
66	A new class of hybrid secretion system is employed in Pseudomonas amyloid biogenesis. Nature Communications, 2017, 8, 263.	12.8	56
67	Glucagon Fibril Polymorphism Reflects Differences in Protofilament Backbone Structure. Journal of Molecular Biology, 2010, 397, 932-946.	4.2	55
68	Human Phenotypically Distinct TGFBI Corneal Dystrophies Are Linked to the Stability of the Fourth FAS1 Domain of TGFBIp. Journal of Biological Chemistry, 2011, 286, 4951-4958.	3.4	55
69	Oleuropein derivatives from olive fruit extracts reduce Î±-synuclein fibrillation and oligomer toxicity. Journal of Biological Chemistry, 2019, 294, 4215-4232.	3.4	55
70	The Interaction of Equine Lysozyme:Oleic Acid Complexes with Lipid Membranes Suggests a Cargo Off-Loading Mechanism. Journal of Molecular Biology, 2010, 398, 351-361.	4.2	54
71	Bacterial RTX Toxins Allow Acute ATP Release from Human Erythrocytes Directly through the Toxin Pore. Journal of Biological Chemistry, 2014, 289, 19098-19109.	3.4	54
72	A comparative study of the unfolding of the endoglucanase Cel45 from <i>Humicola insolens</i> in denaturant and surfactant. Protein Science, 1999, 8, 1878-1887.	7.6	52

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73	Glucagon Amyloid-like Fibril Morphology Is Selected via Morphology-Dependent Growth Inhibition. Biochemistry, 2007, 46, 7314-7324.	2.5	52
74	Mechanistic Understanding of the Interactions between Nano-Objects with Different Surface Properties and Î±-Synuclein. ACS Nano, 2019, 13, 3243-3256.	14.6	51
75	A complete picture of protein unfolding and refolding in surfactants. Chemical Science, 2020, 11, 699-712.	7.4	51
76	Wildtype and A30P Mutant Alpha-Synuclein Form Different Fibril Structures. PLoS ONE, 2013, 8, e67713.	2.5	48
77	Biochemical mechanisms of aggregation in TGFBI-linked corneal dystrophies. Progress in Retinal and Eye Research, 2020, 77, 100843.	15.5	48
78	Accelerated Amyloid Beta Pathogenesis by Bacterial Amyloid FapC. Advanced Science, 2020, 7, 2001299.	11.2	47
79	The Role of Proteins in Biosilicification. Scientifica, 2012, 2012, 1-22.	1.7	46
80	Proteinâ€"fatty acid complexes: biochemistry, biophysics and function. FEBS Journal, 2013, 280, 1733-1749.	4.7	44
81	Protein Engineering Reveals Mechanisms of Functional Amyloid Formation in Pseudomonas aeruginosa Biofilms. Journal of Molecular Biology, 2018, 430, 3751-3763.	4.2	44
82	Pardaxin Permeabilizes Vesicles More Efficiently by Pore Formation than by Disruption. Biophysical Journal, 2010, 98, 576-585.	0.5	43
83	Refolding of SDS-Unfolded Proteins by Nonionic Surfactants. Biophysical Journal, 2017, 112, 1609-1620.	0.5	43
84	The anionic biosurfactant rhamnolipid does not denature industrial enzymes. Frontiers in Microbiology, 2015, 6, 292.	3.5	42
85	A simple way to measure protein refolding rates in water. Journal of Molecular Biology, 2001, 313, 479-483.	4.2	40
86	Versatile Interactions of the Antimicrobial Peptide Novispirin with Detergents and Lipidsâ€. Biochemistry, 2006, 45, 481-497.	2.5	40
87	p25Î± is flexible but natively folded and binds tubulin with oligomeric stoichiometry. Protein Science, 2009, 14, 1396-1409.	7.6	40
88	Breakdown of supersaturation barrier links protein folding to amyloid formation. Communications Biology, 2021, 4, 120.	4.4	39
89	The neural chaperone proSAAS blocks Î±-synuclein fibrillation and neurotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4708-15.	7.1	38
90	How Chain Length and Charge Affect Surfactant Denaturation of Acyl Coenzyme A Binding Protein (ACBP). Journal of Physical Chemistry B, 2009, 113, 13942-13952.	2.6	37

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91	Generic Structures of Cytotoxic Liprotides: Nanoâ€Sized Complexes with Oleic Acid Cores and Shells of Disordered Proteins. ChemBioChem, 2014, 15, 2693-2702.	2.6	37
92	A Kinetic Analysis of the Folding and Unfolding of OmpA in Urea and Guanidinium Chloride: Single and Parallel Pathways. Biochemistry, 2012, 51, 8371-8383.	2.5	36
93	The Tubular Sheaths Encasing Methanosaeta thermophila Filaments Are Functional Amyloids. Journal of Biological Chemistry, 2015, 290, 20590-20600.	3.4	36
94	Formation and Characterization of Î±-Synuclein Oligomers. Methods in Molecular Biology, 2016, 1345, 133-150.	0.9	36
95	Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. Colloids and Surfaces B: Biointerfaces, 2018, 161, 578-587.	5.0	36
96	Imperfect repeats in the functional amyloid protein FapC reduce the tendency to fragment during fibrillation. Protein Science, 2019, 28, 633-642.	7.6	36
97	Î±-Synuclein vaccination modulates regulatory T cell activation and microglia in the absence of brain pathology. Journal of Neuroinflammation, 2016, 13, 74.	7.2	35
98	Structure, Aggregation, and Activity of a Covalent Insulin Dimer Formed During Storage of Neutral Formulation of Human Insulin. Journal of Pharmaceutical Sciences, 2016, 105, 1376-1386.	3.3	34
99	Mutation in transforming growth factor beta induced protein associated with granular corneal dystrophy type 1 reduces the proteolytic susceptibility through local structural stabilization. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 2812-2822.	2.3	33
100	The Importance of Being Capped: Terminal Capping of an Amyloidogenic Peptide Affects Fibrillation Propensity and Fibril Morphology. Biochemistry, 2014, 53, 6968-6980.	2.5	33
101	Aggregation of S6 in a quasi-native state by sub-micellar SDS. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 400-414.	2.3	32
102	A thermodynamic analysis of fibrillar polymorphism. Biophysical Chemistry, 2010, 149, 40-46.	2.8	31
103	Two conformationally distinct Î±-synuclein oligomers share common epitopes and the ability to impair long-term potentiation. PLoS ONE, 2019, 14, e0213663.	2.5	31
104	Mapping the folding pathway of the transmembrane protein DsbB by protein engineering. Protein Engineering, Design and Selection, 2011, 24, 139-149.	2.1	30
105	Mapping out the multistage fibrillation of glucagon. FEBS Journal, 2012, 279, 752-765.	4.7	30
106	Plant Polyphenols Inhibit Functional Amyloid and Biofilm Formation in Pseudomonas Strains by Directing Monomers to Off-Pathway Oligomers. Biomolecules, 2019, 9, 659.	4.0	30
107	The C-terminal tail of Î±-synuclein protects against aggregate replication but is critical for oligomerization. Communications Biology, 2022, 5, 123.	4.4	30
108	Folding of outer membrane protein A in the anionic biosurfactant rhamnolipid. FEBS Letters, 2014, 588, 1955-1960.	2.8	29

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109	Strong interactions with polyethylenimine-coated human serum albumin nanoparticles (PEI-HSA NPs) alter Î±-synuclein conformation and aggregation kinetics. Nanoscale, 2015, 7, 19627-19640.	5.6	29
110	Antibodies against the C-terminus of Î±-synuclein modulate its fibrillation. Biophysical Chemistry, 2017, 220, 34-41.	2.8	29
111	Myoglobin and Î±-Lactalbumin Form Smaller Complexes with the Biosurfactant Rhamnolipid Than with SDS. Biophysical Journal, 2017, 113, 2621-2633.	0.5	29
112	The potential of zwitterionic nanoliposomes against neurotoxic alpha-synuclein aggregates in Parkinson's Disease. Nanoscale, 2018, 10, 9174-9185.	5.6	29
113	The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth. PLoS Computational Biology, 2020, 16, e1007767.	3.2	29
114	Stable intermediates determine proteins' primary unfolding sites in the presence of surfactants. Biopolymers, 2009, 91, 221-231.	2.4	28
115	Cyclodextrin-Scaffolded Alamethicin with Remarkably Efficient Membrane Permeabilizing Properties and Membrane Current Conductance. Journal of Physical Chemistry B, 2012, 116, 7652-7659.	2.6	28
116	Denaturation of Î±-lactalbumin and myoglobin by the anionic biosurfactant rhamnolipid. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 2338-2345.	2.3	28
117	Mechanical Stress Affects Glucagon Fibrillation Kinetics and Fibril Structure. Langmuir, 2011, 27, 12539-12549.	3.5	27
118	Folding energetics and oligomerization of polytopic Î±-helical transmembrane proteins. Archives of Biochemistry and Biophysics, 2014, 564, 281-296.	3.0	27
119	The role of protonation in protein fibrillation. FEBS Letters, 2010, 584, 780-784.	2.8	26
120	Reducing the Amyloidogenicity of Functional Amyloid Protein FapC Increases Its Ability To Inhibit Î±-Synuclein Fibrillation. ACS Omega, 2019, 4, 4029-4039.	3.5	26
121	Nanosilver Mitigates Biofilm Formation via FapC Amyloidosis Inhibition. Small, 2020, 16, e1906674.	10.0	26
122	Membrane Interactions of Novicidin, a Novel Antimicrobial Peptide: Phosphatidylglycerol Promotes Bilayer Insertion. Journal of Physical Chemistry B, 2010, 114, 11053-11060.	2.6	25
123	Interaction and Stability of Mixed Micelle and Monolayer of Nonionic and Cationic Surfactant Mixtures. Journal of Dispersion Science and Technology, 2009, 30, 1050-1058.	2.4	24
124	Correspondence between anomalous m- and Î” Cp-values in protein folding. Protein Science, 2009, 13, 3253-3263.	7.6	24
125	Comparison of two phenotypically distinct lattice corneal dystrophies caused by mutations in the transforming growth factor beta induced (<i>TGFBI</i>) gene. Proteomics - Clinical Applications, 2014, 8, 168-177.	1.6	24
126	Interactions between anionic mixed micelles and Î±-cyclodextrin and their inclusion complexes: conductivity, NMR and fluorescence study. Colloid and Polymer Science, 2006, 284, 916-926.	2.1	23

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127	Early events in copper-ion catalyzed oxidation of Î±-synuclein. Free Radical Biology and Medicine, 2018, 121, 38-50.	2.9	23
128	Bacterial amphiphiles as amyloid inducers: Effect of Rhamnolipid and Lipopolysaccharide on FapC fibrillation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 140263.	2.3	23
129	Predicted Loop Regions Promote Aggregation: A Study of Amyloidogenic Domains in the Functional Amyloid FapC. Journal of Molecular Biology, 2020, 432, 2232-2252.	4.2	23
130	Lowâ€Resolution Structures of OmpAâ‹…DDM Proteinâ€"Detergent Complexes. ChemBioChem, 2014, 15, 2113-2124.	2.6	22
131	Using protein-fatty acid complexes to improve vitamin D stability. Journal of Dairy Science, 2016, 99, 7755-7767.	3.4	22
132	Divorcing folding from function: How acylation affects the membrane-perturbing properties of an antimicrobial peptide. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 806-820.	2.3	21
133	Polymorphic Fibrillation of the Destabilized Fourth Fasciclin-1 Domain Mutant A546T of the Transforming Growth Factor-Î²-induced Protein (TGFBIp) Occurs through Multiple Pathways with Different Oligomeric Intermediates. Journal of Biological Chemistry, 2012, 287, 34730-34742.	3.4	21
134	Incorporation of Î²â€Siliconâ€Î²3â€Amino Acids in the Antimicrobial Peptide Alamethicin Provides a 20â€Fold Increase in Membrane Permeabilization. Chemistry - A European Journal, 2016, 22, 8358-8367.	3.3	21
135	Gallic acid loaded onto polyethylenimine-coated human serum albumin nanoparticles (PEI-HSA-GA NPs) stabilizes Î±-synuclein in the unfolded conformation and inhibits aggregation. RSC Advances, 2016, 6, 85312-85323.	3.6	21
136	Topological constraints and modular structure in the folding and functional motions of GlpG, an intramembrane protease. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2098-2103.	7.1	21
137	Multiple Roles of Heparin in the Aggregation of p25Î±. Journal of Molecular Biology, 2012, 421, 601-615.	4.2	20
138	Liprotides made of Î±-lactalbumin and cis fatty acids form coreâ€"shell and multi-layer structures with a common membrane-targeting mechanism. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 847-859.	2.3	20
139	Critical Influence of Cosolutes and Surfaces on the Assembly of Serpin-Derived Amyloid Fibrils. Biophysical Journal, 2017, 113, 580-596.	0.5	20
140	Can a Charged Surfactant Unfold an Uncharged Protein?. Biophysical Journal, 2018, 115, 2081-2086.	0.5	20
141	The length distribution of frangible biofilaments. Journal of Chemical Physics, 2015, 143, 164901.	3.0	19
142	MIRRAGGE â€" Minimum Information Required for Reproducible AGGregation Experiments. Frontiers in Molecular Neuroscience, 2020, 13, 582488.	2.9	19
143	Interactions and influence of Î±-cyclodextrin on the aggregation and interfacial properties of mixtures of nonionic and zwitterionic surfactants. Colloid and Polymer Science, 2009, 287, 1243-1252.	2.1	18
144	Sucrose prevents protein fibrillation through compaction of the tertiary structure but hardly affects the secondary structure. Proteins: Structure, Function and Bioinformatics, 2015, 83, 2039-2051.	2.6	18

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145	Unfolding and partial refolding of a cellulase from the SDS-denatured state: From Î²-sheet to Î±-helix and back. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129434.	2.4	18
146	Amyloid Formation of Î±-Synuclein Based on the Solubility- and Supersaturation-Dependent Mechanism. Langmuir, 2020, 36, 4671-4681.	3.5	18
147	Microfluidics and the quantification of biomolecular interactions. Current Opinion in Structural Biology, 2021, 70, 8-15.	5.7	18
148	The optimal docking strength for reversibly tethered kinases. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	18
149	Differential adsorption of variants of the Thermomyces lanuginosus lipase on a hydrophobic surface suggests a role for local flexibility. Colloids and Surfaces B: Biointerfaces, 2008, 64, 223-228.	5.0	17
150	Corneal Dystrophy Mutations Drive Pathogenesis by Targeting TGFBIp Stability and Solubility in a Latent Amyloid-forming Domain. Journal of Molecular Biology, 2018, 430, 1116-1140.	4.2	17
151	Lysophospholipids induce fibrillation of the repeat domain of Pmel17 through intermediate core-shell structures. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 519-528.	2.3	17
152	Functional Bacterial Amyloids: Understanding Fibrillation, Regulating Biofilm Fibril Formation and Organizing Surface Assemblies. Molecules, 2022, 27, 4080.	3.8	17
153	The Use of Liprotides To Stabilize and Transport Hydrophobic Molecules. Biochemistry, 2015, 54, 4815-4823.	2.5	16
154	Alpha-synuclein and familial variants affect the chain order and the thermotropic phase behavior of anionic lipid vesicles. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 1206-1214.	2.3	16
155	Î±â€Synuclein Oligomers: A Study in Diversity. Israel Journal of Chemistry, 2017, 57, 699-723.	2.3	16
156	Peak Force Infraredâ€“Kelvin Probe Force Microscopy. Angewandte Chemie - International Edition, 2020, 59, 16083-16090.	13.8	16
157	C subunit of the ATP synthase is an amyloidogenic calcium dependent channel-forming peptide with possible implications in mitochondrial permeability transition. Scientific Reports, 2021, 11, 8744.	3.3	16
158	Characterization of dry globular proteins and protein fibrils by synchrotron radiation vacuum UV circular dichroism. Biopolymers, 2008, 89, 779-795.	2.4	15
159	How Glycosaminoglycans Promote Fibrillation of Salmon Calcitonin. Journal of Biological Chemistry, 2016, 291, 16849-16862.	3.4	15
160	Liprotides kill cancer cells by disrupting the plasma membrane. Scientific Reports, 2017, 7, 15129.	3.3	15
161	Î±-Synucleins from Animal Species Show Low Fibrillation Propensities and Weak Oligomer Membrane Disruption. Biochemistry, 2018, 57, 5145-5158.	2.5	15
162	Novel noscapine derivatives stabilize the native state of insulin against fibrillation. International Journal of Biological Macromolecules, 2020, 147, 98-108.	7.5	15

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163	Inhibitors of Î±-Synuclein Fibrillation and Oligomer Toxicity in <i>Rosa damascena</i>: The All-Pervading Powers of Flavonoids and Phenolic Glycosides. ACS Chemical Neuroscience, 2020, 11, 3161-3173.	3.5	15
164	Quantitating denaturation by formic acid: imperfect repeats are essential to the stability of the functional amyloid protein FapC. Journal of Biological Chemistry, 2020, 295, 13031-13046.	3.4	15
165	AlphaFold: A Special Issue and A Special Time for Protein Science. Journal of Molecular Biology, 2021, 433, 167231.	4.2	15
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