

Daniel E Otzen

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272
papers

10,213
citations

55
h-index

93
g-index

293
ext. papers

11,966
ext. citations

5.7
avg, IF

6.75
L-index

#	Paper	IF	Citations
272	Proliferation of amyloid- β 2 aggregates occurs through a secondary nucleation mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9758-63	11.5	867
271	Protein-surfactant interactions: a tale of many states. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011 , 1814, 562-91	4	391
270	Amyloid adhesins are abundant in natural biofilms. <i>Environmental Microbiology</i> , 2007 , 9, 3077-90	5.2	229
269	Protein unfolding in detergents: effect of micelle structure, ionic strength, pH, and temperature. <i>Biophysical Journal</i> , 2002 , 83, 2219-30	2.9	227
268	Aggregation and fibrillation of bovine serum albumin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007 , 1774, 1128-38	4	196
267	Low-resolution structure of a vesicle disrupting α -synuclein oligomer that accumulates during fibrillation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3246-51	11.5	194
266	The changing face of glucagon fibrillation: structural polymorphism and conformational imprinting. <i>Journal of Molecular Biology</i> , 2006 , 355, 501-23	6.5	192
265	Functional amyloid in Pseudomonas. <i>Molecular Microbiology</i> , 2010 , 77, 1009-20	4.1	187
264	Unique identification of supramolecular structures in amyloid fibrils by solid-state NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2118-21	16.4	181
263	Structural changes in the transition state of protein folding: alternative interpretations of curved chevron plots. <i>Biochemistry</i> , 1999 , 38, 6499-511	3.2	179
262	The role of stable β -synuclein oligomers in the molecular events underlying amyloid formation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3859-68	16.4	163
261	SDS-induced fibrillation of alpha-synuclein: an alternative fibrillation pathway. <i>Journal of Molecular Biology</i> , 2010 , 401, 115-33	6.5	154
260	The antimicrobial mechanism of action of epsilon-poly-l-lysine. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 7758-70	4.8	149
259	We find them here, we find them there: functional bacterial amyloid. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 910-27	10.3	144
258	Half a century of amyloids: past, present and future. <i>Chemical Society Reviews</i> , 2020 , 49, 5473-5509	58.5	142
257	ThT 101: a primer on the use of thioflavin T to investigate amyloid formation. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2017 , 24, 1-16	2.7	139
256	Strategies to increase the reproducibility of protein fibrillization in plate reader assays. <i>Analytical Biochemistry</i> , 2010 , 400, 270-81	3.1	139

255	How epigallocatechin gallate can inhibit β -synuclein oligomer toxicity in vitro. <i>Journal of Biological Chemistry</i> , 2014 , 289, 21299-310	5.4	133
254	A SAXS study of glucagon fibrillation. <i>Journal of Molecular Biology</i> , 2009 , 387, 147-61	6.5	130
253	Interactions between folding factors and bacterial outer membrane proteins. <i>Molecular Microbiology</i> , 2005 , 57, 326-46	4.1	122
252	Branching in amyloid fibril growth. <i>Biophysical Journal</i> , 2009 , 96, 1529-36	2.9	120
251	Activation, inhibition, and destabilization of <i>Thermomyces lanuginosus</i> lipase by detergents. <i>Biochemistry</i> , 2005 , 44, 1719-30	3.2	119
250	The role of decorated SDS micelles in sub-CMC protein denaturation and association. <i>Journal of Molecular Biology</i> , 2009 , 391, 207-26	6.5	116
249	Biosurfactants and surfactants interacting with membranes and proteins: Same but different?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 639-649	3.8	115
248	Modulation of S6 fibrillation by unfolding rates and gatekeeper residues. <i>Journal of Molecular Biology</i> , 2004 , 341, 575-88	6.5	114
247	Expression of Fap amyloids in <i>Pseudomonas aeruginosa</i> , <i>P. fluorescens</i> , and <i>P. putida</i> results in aggregation and increased biofilm formation. <i>MicrobiologyOpen</i> , 2013 , 2, 365-82	3.4	105
246	Unfolding of beta-sheet proteins in SDS. <i>Biophysical Journal</i> , 2007 , 92, 3674-85	2.9	104
245	β -synuclein oligomers and fibrils: a spectrum of species, a spectrum of toxicities. <i>Journal of Neurochemistry</i> , 2019 , 150, 522-534	6	99
244	Sequential pH-driven dimerization and stabilization of the N-terminal domain enables rapid spider silk formation. <i>Nature Communications</i> , 2014 , 5, 3254	17.4	96
243	Folding of DsbB in mixed micelles: a kinetic analysis of the stability of a bacterial membrane protein. <i>Journal of Molecular Biology</i> , 2003 , 330, 641-9	6.5	96
242	Curli functional amyloid systems are phylogenetically widespread and display large diversity in operon and protein structure. <i>PLoS ONE</i> , 2012 , 7, e51274	3.7	95
241	Functional bacterial amyloid increases <i>Pseudomonas</i> biofilm hydrophobicity and stiffness. <i>Frontiers in Microbiology</i> , 2015 , 6, 1099	5.7	93
240	Alpha-Lactalbumin is unfolded by all classes of surfactants but by different mechanisms. <i>Journal of Colloid and Interface Science</i> , 2009 , 329, 273-83	9.3	93
239	Functional Amyloids. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019 , 11,	10.2	92
238	Conformational plasticity in folding of the split beta-alpha-beta protein S6: evidence for burst-phase disruption of the native state. <i>Journal of Molecular Biology</i> , 2002 , 317, 613-27	6.5	92

237	Amyloid structure--one but not the same: the many levels of fibrillar polymorphism. <i>FEBS Journal</i> , 2010 , 277, 4591-601	5.7	88
236	Co-existence of two different β synuclein oligomers with different core structures determined by hydrogen/deuterium exchange mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7560-3	16.4	85
235	The N-terminus of β synuclein is essential for both monomeric and oligomeric interactions with membranes. <i>FEBS Letters</i> , 2014 , 588, 497-502	3.8	84
234	Coexistence of ribbon and helical fibrils originating from hIAPP(20-29) revealed by quantitative nanomechanical atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2798-803	11.5	83
233	Assays for β synuclein aggregation. <i>Methods</i> , 2011 , 53, 295-305	4.6	80
232	Structure of a functional amyloid protein subunit computed using sequence variation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 22-5	16.4	78
231	Functional amyloid: turning swords into plowshares. <i>Prion</i> , 2010 , 4, 256-64	2.3	76
230	Interactions between misfolded protein oligomers and membranes: A central topic in neurodegenerative diseases?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015 , 1848, 1897-907	3.8	75
229	Global study of myoglobin-surfactant interactions. <i>Langmuir</i> , 2008 , 24, 399-407	4	72
228	Fibrillation of the major curli subunit CsgA under a wide range of conditions implies a robust design of aggregation. <i>Biochemistry</i> , 2011 , 50, 8281-90	3.2	70
227	Structural basis for cyclodextrins β suppression of human growth hormone aggregation. <i>Protein Science</i> , 2002 , 11, 1779-87	6.3	67
226	The influence of vesicle size and composition on alpha-synuclein structure and stability. <i>Biophysical Journal</i> , 2009 , 96, 2857-70	2.9	66
225	Amyloid-a state in many guises: survival of the fittest fibril fold. <i>Protein Science</i> , 2008 , 17, 2-10	6.3	66
224	Burst-phase expansion of native protein prior to global unfolding in SDS. <i>Journal of Molecular Biology</i> , 2002 , 315, 1231-40	6.5	66
223	Amyloid formation in surfactants and alcohols: membrane mimetics or structural switchers?. <i>Current Protein and Peptide Science</i> , 2010 , 11, 355-71	2.8	63
222	Detection of Pathogenic Biofilms with Bacterial Amyloid Targeting Fluorescent Probe, CDy11. <i>Journal of the American Chemical Society</i> , 2016 , 138, 402-7	16.4	61
221	Widespread abundance of functional bacterial amyloid in mycolata and other gram-positive bacteria. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 4101-10	4.8	61
220	High stability and cooperative unfolding of β synuclein oligomers. <i>Biochemistry</i> , 2014 , 53, 6252-63	3.2	56

219	Folding of outer membrane proteins. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 531, 34-43	4.1	56
218	Electrostatics in the active site of an alpha-amylase. <i>FEBS Journal</i> , 1999 , 264, 816-24		55
217	Effect of protein-surfactant interactions on aggregation of Lactoglobulin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011 , 1814, 713-23	4	54
216	The interaction of equine lysozyme:oleic acid complexes with lipid membranes suggests a cargo off-loading mechanism. <i>Journal of Molecular Biology</i> , 2010 , 398, 351-61	6.5	53
215	A comparative study of the unfolding of the endoglucanase Cel45 from <i>Humicola insolens</i> in denaturant and surfactant. <i>Protein Science</i> , 1999 , 8, 1878-87	6.3	52
214	Proteins in a brave new surfactant world. <i>Current Opinion in Colloid and Interface Science</i> , 2015 , 20, 161-169		49
213	Human phenotypically distinct TGFBI corneal dystrophies are linked to the stability of the fourth FAS1 domain of TGFBIp. <i>Journal of Biological Chemistry</i> , 2011 , 286, 4951-8	5.4	49
212	Glucagon amyloid-like fibril morphology is selected via morphology-dependent growth inhibition. <i>Biochemistry</i> , 2007 , 46, 7314-24	3.2	48
211	Glucagon fibril polymorphism reflects differences in protofilament backbone structure. <i>Journal of Molecular Biology</i> , 2010 , 397, 932-46	6.5	47
210	Wildtype and A30P mutant alpha-synuclein form different fibril structures. <i>PLoS ONE</i> , 2013 , 8, e67713	3.7	45
209	Cooperative folding of a polytopic helical membrane protein involves a compact N-terminal nucleus and nonnative loops. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7978-83	11.5	44
208	Bacterial RTX toxins allow acute ATP release from human erythrocytes directly through the toxin pore. <i>Journal of Biological Chemistry</i> , 2014 , 289, 19098-109	5.4	43
207	Evolutionary insight into the functional amyloids of the pseudomonads. <i>PLoS ONE</i> , 2013 , 8, e76630	3.7	43
206	In vitro and in silico assessment of the developability of a designed monoclonal antibody library. <i>MAbs</i> , 2019 , 11, 388-400	6.6	43
205	Potent β -Synuclein Aggregation Inhibitors, Identified by High-Throughput Screening, Mainly Target the Monomeric State. <i>Cell Chemical Biology</i> , 2018 , 25, 1389-1402.e9	8.2	43
204	Epigallocatechin Gallate Remodels Overexpressed Functional Amyloids in <i>Pseudomonas aeruginosa</i> and Increases Biofilm Susceptibility to Antibiotic Treatment. <i>Journal of Biological Chemistry</i> , 2016 , 291, 26540-26553	5.4	42
203	A new class of hybrid secretion system is employed in <i>Pseudomonas</i> amyloid biogenesis. <i>Nature Communications</i> , 2017 , 8, 263	17.4	41
202	Pardaxin permeabilizes vesicles more efficiently by pore formation than by disruption. <i>Biophysical Journal</i> , 2010 , 98, 576-85	2.9	40

201	p25alpha is flexible but natively folded and binds tubulin with oligomeric stoichiometry. <i>Protein Science</i> , 2005 , 14, 1396-409	6.3	40
200	Versatile interactions of the antimicrobial peptide novispirin with detergents and lipids. <i>Biochemistry</i> , 2006 , 45, 481-97	3.2	40
199	Physical Determinants of Amyloid Assembly in Biofilm Formation. <i>MBio</i> , 2019 , 10,	7.8	40
198	Protein-fatty acid complexes: biochemistry, biophysics and function. <i>FEBS Journal</i> , 2013 , 280, 1733-49	5.7	39
197	A simple way to measure protein refolding rates in water. <i>Journal of Molecular Biology</i> , 2001 , 313, 479-83	3.5	38
196	The role of proteins in biosilicification. <i>Scientifica</i> , 2012 , 2012, 867562	2.6	35
195	Oleuropein derivatives from olive fruit extracts reduce β synuclein fibrillation and oligomer toxicity. <i>Journal of Biological Chemistry</i> , 2019 , 294, 4215-4232	5.4	34
194	Alterations in Blood Monocyte Functions in Parkinson's Disease. <i>Movement Disorders</i> , 2019 , 34, 1711-1721	7.1	33
193	Mechanistic Understanding of the Interactions between Nano-Objects with Different Surface Properties and β synuclein. <i>ACS Nano</i> , 2019 , 13, 3243-3256	16.7	33
192	The anionic biosurfactant rhamnolipid does not denature industrial enzymes. <i>Frontiers in Microbiology</i> , 2015 , 6, 292	5.7	31
191	A kinetic analysis of the folding and unfolding of OmpA in urea and guanidinium chloride: single and parallel pathways. <i>Biochemistry</i> , 2012 , 51, 8371-83	3.2	31
190	How chain length and charge affect surfactant denaturation of acyl coenzyme A binding protein (ACBP). <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13942-52	3.4	31
189	Refolding of SDS-Unfolded Proteins by Nonionic Surfactants. <i>Biophysical Journal</i> , 2017 , 112, 1609-1620	2.9	30
188	Generic structures of cytotoxic lipotides: nano-sized complexes with oleic acid cores and shells of disordered proteins. <i>ChemBioChem</i> , 2014 , 15, 2693-702	3.8	30
187	Mutation in transforming growth factor beta induced protein associated with granular corneal dystrophy type 1 reduces the proteolytic susceptibility through local structural stabilization. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 2812-22	4	28
186	The Tubular Sheaths Encasing Methanosaeta thermophila Filaments Are Functional Amyloids. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20590-600	5.4	28
185	A thermodynamic analysis of fibrillar polymorphism. <i>Biophysical Chemistry</i> , 2010 , 149, 40-6	3.5	28
184	Aggregation of S6 in a quasi-native state by sub-micellar SDS. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008 , 1784, 400-14	4	28

183	Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 161, 578-587	6	28
182	Protein Engineering Reveals Mechanisms of Functional Amyloid Formation in <i>Pseudomonas aeruginosa</i> Biofilms. <i>Journal of Molecular Biology</i> , 2018 , 430, 3751-3763	6.5	27
181	Folding of outer membrane protein A in the anionic biosurfactant rhamnolipid. <i>FEBS Letters</i> , 2014 , 588, 1955-60	3.8	26
180	Mapping out the multistage fibrillation of glucagon. <i>FEBS Journal</i> , 2012 , 279, 752-65	5.7	26
179	Strong interactions with polyethylenimine-coated human serum albumin nanoparticles (PEI-HSA NPs) alter β synuclein conformation and aggregation kinetics. <i>Nanoscale</i> , 2015 , 7, 19627-40	7.7	25
178	β synuclein vaccination modulates regulatory T cell activation and microglia in the absence of brain pathology. <i>Journal of Neuroinflammation</i> , 2016 , 13, 74	10.1	25
177	The importance of being capped: Terminal capping of an amyloidogenic peptide affects fibrillation propensity and fibril morphology. <i>Biochemistry</i> , 2014 , 53, 6968-80	3.2	25
176	Mapping the folding pathway of the transmembrane protein DsbB by protein engineering. <i>Protein Engineering, Design and Selection</i> , 2011 , 24, 139-49	1.9	25
175	The potential of zwitterionic nanoliposomes against neurotoxic alpha-synuclein aggregates in Parkinson's Disease. <i>Nanoscale</i> , 2018 , 10, 9174-9185	7.7	24
174	A complete picture of protein unfolding and refolding in surfactants. <i>Chemical Science</i> , 2019 , 11, 699-712	9.4	24
173	Formation and Characterization of β synuclein Oligomers. <i>Methods in Molecular Biology</i> , 2016 , 1345, 133-50	1.4	23
172	The neural chaperone proSAAS blocks β synuclein fibrillation and neurotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4708-15	11.5	23
171	Denaturation of β lactalbumin and myoglobin by the anionic biosurfactant rhamnolipid. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 2338-45	4	23
170	Cyclodextrin-scaffolded alamethicin with remarkably efficient membrane permeabilizing properties and membrane current conductance. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7652-9	3.4	23
169	Mechanical stress affects glucagon fibrillation kinetics and fibril structure. <i>Langmuir</i> , 2011 , 27, 12539-49	4	23
168	Interaction and Stability of Mixed Micelle and Monolayer of Nonionic and Cationic Surfactant Mixtures. <i>Journal of Dispersion Science and Technology</i> , 2009 , 30, 1050-1058	1.5	23
167	The role of protonation in protein fibrillation. <i>FEBS Letters</i> , 2010 , 584, 780-4	3.8	23
166	Interactions between anionic mixed micelles and β cyclodextrin and their inclusion complexes: conductivity, NMR and fluorescence study. <i>Colloid and Polymer Science</i> , 2006 , 284, 916-926	2.4	23

165	Antibodies against the C-terminus of β synuclein modulate its fibrillation. <i>Biophysical Chemistry</i> , 2017 , 220, 34-41	3.5	22
164	Correspondence between anomalous m- and DeltaCp-values in protein folding. <i>Protein Science</i> , 2004 , 13, 3253-63	6.3	22
163	Early events in copper-ion catalyzed oxidation of β synuclein. <i>Free Radical Biology and Medicine</i> , 2018 , 121, 38-50	7.8	21
162	Structure, Aggregation, and Activity of a Covalent Insulin Dimer Formed During Storage of Neutral Formulation of Human Insulin. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 1376-86	3.9	21
161	Membrane interactions of novicidin, a novel antimicrobial peptide: phosphatidylglycerol promotes bilayer insertion. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11053-60	3.4	21
160	Divorcing folding from function: how acylation affects the membrane-perturbing properties of an antimicrobial peptide. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 806-20	4	21
159	Accelerated Amyloid Beta Pathogenesis by Bacterial Amyloid FapC. <i>Advanced Science</i> , 2020 , 7, 2001299	13.6	21
158	Stable intermediates determine proteins primary unfolding sites in the presence of surfactants. <i>Biopolymers</i> , 2009 , 91, 221-31	2.2	20
157	Two conformationally distinct β synuclein oligomers share common epitopes and the ability to impair long-term potentiation. <i>PLoS ONE</i> , 2019 , 14, e0213663	3.7	19
156	Low-resolution structures of OmpA?DDM protein-detergent complexes. <i>ChemBioChem</i> , 2014 , 15, 2113-248	3.8	19
155	Folding energetics and oligomerization of polytopic β helical transmembrane proteins. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 564, 281-96	4.1	19
154	Comparison of two phenotypically distinct lattice corneal dystrophies caused by mutations in the transforming growth factor beta induced (TGFBI) gene. <i>Proteomics - Clinical Applications</i> , 2014 , 8, 168-77 ^{3.1}	3.1	19
153	Polymorphic fibrillation of the destabilized fourth fasciclin-1 domain mutant A546T of the Transforming growth factor- β induced protein (TGFBIp) occurs through multiple pathways with different oligomeric intermediates. <i>Journal of Biological Chemistry</i> , 2012 , 287, 34730-42	5.4	19
152	Incorporation of β Silicon- β -Amino Acids in the Antimicrobial Peptide Alamethicin Provides a 20-Fold Increase in Membrane Permeabilization. <i>Chemistry - A European Journal</i> , 2016 , 22, 8358-67	4.8	19
151	Lipotides made of β lactalbumin and cis fatty acids form core-shell and multi-layer structures with a common membrane-targeting mechanism. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016 , 1864, 847-59	4	19
150	Imperfect repeats in the functional amyloid protein FapC reduce the tendency to fragment during fibrillation. <i>Protein Science</i> , 2019 , 28, 633-642	6.3	19
149	Plant Polyphenols Inhibit Functional Amyloid and Biofilm Formation in Strains by Directing Monomers to Off-Pathway Oligomers. <i>Biomolecules</i> , 2019 , 9,	5.9	18
148	Multiple roles of heparin in the aggregation of p25 β . <i>Journal of Molecular Biology</i> , 2012 , 421, 601-15	6.5	18

147	Critical Influence of Cosolutes and Surfaces on the Assembly of Serpin-Derived Amyloid Fibrils. <i>Biophysical Journal</i> , 2017 , 113, 580-596	2.9	17
146	Differential adsorption of variants of the <i>Thermomyces lanuginosus</i> lipase on a hydrophobic surface suggests a role for local flexibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 64, 223-8	6	17
145	Reducing the Amyloidogenicity of Functional Amyloid Protein FapC Increases Its Ability To Inhibit β Synuclein Fibrillation. <i>ACS Omega</i> , 2019 , 4, 4029-4039	3.9	17
144	The Use of Lipotides To Stabilize and Transport Hydrophobic Molecules. <i>Biochemistry</i> , 2015 , 54, 4815-23.2	3.2	16
143	Topological constraints and modular structure in the folding and functional motions of GlpG, an intramembrane protease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2098-103	11.5	16
142	Myoglobin and β Lactalbumin Form Smaller Complexes with the Biosurfactant Rhamnolipid Than with SDS. <i>Biophysical Journal</i> , 2017 , 113, 2621-2633	2.9	16
141	Interactions and influence of β Cyclodextrin on the aggregation and interfacial properties of mixtures of nonionic and zwitterionic surfactants. <i>Colloid and Polymer Science</i> , 2009 , 287, 1243-1252	2.4	16
140	Biochemical mechanisms of aggregation in TGFBI-linked corneal dystrophies. <i>Progress in Retinal and Eye Research</i> , 2020 , 77, 100843	20.5	16
139	Gallic acid loaded onto polyethylenimine-coated human serum albumin nanoparticles (PEI-HSA-GA NPs) stabilizes β Synuclein in the unfolded conformation and inhibits aggregation. <i>RSC Advances</i> , 2016 , 6, 85312-85323	3.7	16
138	The length distribution of frangible biofilaments. <i>Journal of Chemical Physics</i> , 2015 , 143, 164901	3.9	15
137	Characterization of dry globular proteins and protein fibrils by synchrotron radiation vacuum UV circular dichroism. <i>Biopolymers</i> , 2008 , 89, 779-95	2.2	15
136	How Glycosaminoglycans Promote Fibrillation of Salmon Calcitonin. <i>Journal of Biological Chemistry</i> , 2016 , 291, 16849-62	5.4	15
135	Breakdown of supersaturation barrier links protein folding to amyloid formation. <i>Communications Biology</i> , 2021 , 4, 120	6.7	15
134	The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth. <i>PLoS Computational Biology</i> , 2020 , 16, e1007767	5	14
133	Predicted Loop Regions Promote Aggregation: A Study of Amyloidogenic Domains in the Functional Amyloid FapC. <i>Journal of Molecular Biology</i> , 2020 , 432, 2232-2252	6.5	14
132	Bacterial amphiphiles as amyloid inducers: Effect of Rhamnolipid and Lipopolysaccharide on FapC fibrillation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 140263	4	14
131	Lipotides kill cancer cells by disrupting the plasma membrane. <i>Scientific Reports</i> , 2017 , 7, 15129	4.9	14
130	Modulation of fibrillation of hIAPP core fragments by chemical modification of the peptide backbone. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012 , 1824, 274-85	4	14

129	Using protein-fatty acid complexes to improve vitamin D stability. <i>Journal of Dairy Science</i> , 2016 , 99, 7754-7767	4	14
128	β-Synucleins from Animal Species Show Low Fibrillation Propensities and Weak Oligomer Membrane Disruption. <i>Biochemistry</i> , 2018 , 57, 5145-5158	3.2	13
127	Sucrose prevents protein fibrillation through compaction of the tertiary structure but hardly affects the secondary structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015 , 83, 2039-51	4.2	13
126	Alpha-synuclein and familial variants affect the chain order and the thermotropic phase behavior of anionic lipid vesicles. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016 , 1864, 1206-1214	4	13
125	β-Synuclein Oligomers: A Study in Diversity. <i>Israel Journal of Chemistry</i> , 2017 , 57, 699-723	3.4	12
124	A Possible Connection Between Plant Longevity and the Absence of Protein Fibrillation: Basis for Identifying Aggregation Inhibitors in Plants. <i>Frontiers in Plant Science</i> , 2019 , 10, 148	6.2	12
123	Nanosilver Mitigates Biofilm Formation via FapC Amyloidosis Inhibition. <i>Small</i> , 2020 , 16, e1906674	11	12
122	Corneal Dystrophy Mutations Drive Pathogenesis by Targeting TGFβ1p Stability and Solubility in a Latent Amyloid-forming Domain. <i>Journal of Molecular Biology</i> , 2018 , 430, 1116-1140	6.5	12
121	Kinetic partitioning between aggregation and vesicle permeabilization by modified ADan. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009 , 1794, 84-93	4	12
120	Oligomers of β-Synuclein: picking the culprit in the line-up. <i>Essays in Biochemistry</i> , 2014 , 56, 137-48	7.6	12
119	Unfolding and partial refolding of a cellulase from the SDS-denatured state: From β-sheet to β-helix and back. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129434	4	12
118	Can a Charged Surfactant Unfold an Uncharged Protein?. <i>Biophysical Journal</i> , 2018 , 115, 2081-2086	2.9	12
117	Transient formation of nano-crystalline structures during fibrillation of an Aβ-like peptide. <i>Protein Science</i> , 2004 , 13, 1417-21	6.3	11
116	Weak and Saturable Protein-Surfactant Interactions in the Denaturation of Apo-α-Lactalbumin by Acidic and Lactonic Sophorolipid. <i>Frontiers in Microbiology</i> , 2016 , 7, 1711	5.7	11
115	DIBMA nanodiscs keep β-Synuclein folded. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183314	3.8	10
114	Off-pathway aggregation can inhibit fibrillation at high protein concentrations. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 677-87	4	10
113	Synthesis of a ketomethylene isostere of the fibrillating peptide SNNFGAILSS. <i>Journal of Organic Chemistry</i> , 2009 , 74, 7955-7	4.2	10
112	Molecular dynamics study of ACBP denaturation in alkyl sulfates demonstrates possible pathways of unfolding through fused surfactant clusters. <i>Protein Engineering, Design and Selection</i> , 2019 , 32, 175-190	1.9	10

111	Adsorption of azo dyes by a novel bio-nanocomposite based on whey protein nanofibrils and nano-clay: Equilibrium isotherm and kinetic modeling. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 490-503	9.3	10
110	Glycolipid Biosurfactants Activate, Dimerize, and Stabilize <i>Thermomyces lanuginosus</i> Lipase in a pH-Dependent Fashion. <i>Biochemistry</i> , 2017 , 56, 4256-4268	3.2	9
109	Functional Amyloids in Bacteria 2013 , 411-438		9
108	Aggregation as the basis for complex behaviour of cutinase in different denaturants. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007 , 1774, 323-33	4	9
107	Lysophospholipids induce fibrillation of the repeat domain of Pmel17 through intermediate core-shell structures. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 519-528	4	9
106	A Complex Dance: The Importance of Glycosaminoglycans and Zinc in the Aggregation of Human Prolactin. <i>Biochemistry</i> , 2016 , 55, 3674-84	3.2	8
105	The Kinetics and Mechanisms of Amyloid Formation 2013 , 183-209		8
104	Quantitating denaturation by formic acid: imperfect repeats are essential to the stability of the functional amyloid protein FapC. <i>Journal of Biological Chemistry</i> , 2020 , 295, 13031-13046	5.4	8
103	Conservation of the Amyloid Interactome Across Diverse Fibrillar Structures. <i>Scientific Reports</i> , 2019 , 9, 3863	4.9	7
102	The natural, peptaibolic peptide SPF-5506-A4 adopts a β -end spiral structure, shows low hemolytic activity and targets membranes through formation of large pores. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015 , 1854, 882-9	4	7
101	Amyloid Formation of β -Synuclein Based on the Solubility- and Supersaturation-Dependent Mechanism. <i>Langmuir</i> , 2020 , 36, 4671-4681	4	7
100	<i>Pseudomonas aeruginosa</i> rhamnolipid induces fibrillation of human β -synuclein and modulates its effect on biofilm formation. <i>FEBS Letters</i> , 2018 , 592, 1484-1496	3.8	7
99	Synergistic behavior of sodiumdodecylsulfate and 1,2-diheptanoyl-sn-glycero-3-phosphocholine in an aqueous medium: interfacial and bulk behavior. <i>Colloid and Polymer Science</i> , 2005 , 283, 1219-1225	2.4	7
98	Antagonism, non-native interactions and non-two-state folding in S6 revealed by double-mutant cycle analysis. <i>Protein Engineering, Design and Selection</i> , 2005 , 18, 547-57	1.9	7
97	A Monte Carlo Study of the Early Steps of Functional Amyloid Formation. <i>PLoS ONE</i> , 2016 , 11, e0146096	3.7	7
96	Novel noscapine derivatives stabilize the native state of insulin against fibrillation. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 98-108	7.9	7
95	Multi-Step Unfolding and Rearrangement of β -Lactalbumin by SDS Revealed by Stopped-Flow SAXS. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 125	5.6	7
94	A multimethod approach for analyzing FapC fibrillation and determining mass per length. <i>Biophysical Journal</i> , 2021 , 120, 2262-2275	2.9	7

93	Epigallocatechin Gallate Remodels Fibrils of Lattice Corneal Dystrophy Protein, Facilitating Proteolytic Degradation and Preventing Formation of Membrane-Permeabilizing Species. <i>Biochemistry</i> , 2016 , 55, 2344-57	3.2	7
92	Role of Charge and Hydrophobicity in Lipotide Formation: A Molecular Dynamics Study with Experimental Constraints. <i>ChemBioChem</i> , 2018 , 19, 263-271	3.8	7
91	The Sheaths of Are Made of a New Type of Amyloid Protein. <i>Frontiers in Microbiology</i> , 2018 , 9, 2729	5.7	7
90	Scaffolded multimers of hIAPP(20-29) peptide fragments fibrillate faster and lead to different fibrils compared to the free hIAPP(20-29) peptide fragment. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015 , 1854, 1890-1897	4	6
89	Co-existence of Two Different β Synuclein Oligomers with Different Core Structures Determined by Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Angewandte Chemie</i> , 2014 , 126, 7690-7693	3.6	6
88	Reduction in the amount of 8-hydroxy-2Rdeoxyguanosine in the DNA of SV40-transformed human fibroblasts as compared with normal cells in culture. <i>FEBS Letters</i> , 1993 , 318, 186-8	3.8	6
87	Inhibitors of β Synuclein Fibrillation and Oligomer Toxicity in : The All-Pervading Powers of Flavonoids and Phenolic Glycosides. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 3161-3173	5.7	6
86	C subunit of the ATP synthase is an amyloidogenic calcium dependent channel-forming peptide with possible implications in mitochondrial permeability transition. <i>Scientific Reports</i> , 2021 , 11, 8744	4.9	6
85	Microfluidics and the quantification of biomolecular interactions. <i>Current Opinion in Structural Biology</i> , 2021 , 70, 8-15	8.1	6
84	Release of Pharmaceutical Peptides in an Aggregated State: Using Fibrillar Polymorphism to Modulate Release Levels. <i>Colloids and Interfaces</i> , 2019 , 3, 42	3	5
83	Peak Force Infrared-Kelvin Probe Force Microscopy. <i>Angewandte Chemie</i> , 2020 , 132, 16217-16224	3.6	5
82	Peak Force Infrared-Kelvin Probe Force Microscopy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16083-16090	16.4	5
81	The Compact and Biologically Relevant Structure of Inter- β Inhibitor Is Maintained by the Chondroitin Sulfate Chain and Divalent Cations. <i>Journal of Biological Chemistry</i> , 2016 , 291, 4658-70	5.4	5
80	The Changing Face of Aging: Highly Sulfated Glycosaminoglycans Induce Amyloid Formation in a Lattice Corneal Dystrophy Model Protein. <i>Journal of Molecular Biology</i> , 2017 , 429, 2755-2764	6.5	5
79	Assembling good amyloid: some structures at last. <i>Structure</i> , 2011 , 19, 1207-9	5.2	5
78	Influence of β Cyclodextrin on the Mixed Micellization Process of Sodium Dodecyl Sulfate and Sodium Lauroyl Sarcosine and Formation of Inclusion Complexes. <i>Journal of Dispersion Science and Technology</i> , 2008 , 29, 128-133	1.5	5
77	Conformational detours during folding of a collapsed state. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005 , 1750, 146-53	4	5
76	Bacterial Amyloids: Biogenesis and Biomaterials. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1174, 113-159	3.6	5

75	The interactome of stabilized β synuclein oligomers and neuronal proteins. <i>FEBS Journal</i> , 2020 , 287, 2037-2054	5.7	5
74	SDS-induced multi-stage unfolding of a small globular protein through different denatured states revealed by single-molecule fluorescence. <i>Chemical Science</i> , 2020 , 11, 9141-9153	9.4	5
73	Human Lysozyme Peptidase Resistance Is Perturbed by the Anionic Glycolipid Biosurfactant Rhamnolipid Produced by the Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 2017 , 56, 260-270	3.2	4
72	Quartz Crystal Microbalances as Tools for Probing Protein-Membrane Interactions. <i>Methods in Molecular Biology</i> , 2019 , 2003, 31-52	1.4	4
71	Stabilizing vitamin D using the molten globule state of β lactalbumin. <i>Journal of Dairy Science</i> , 2018 , 101, 1817-1826	4	4
70	Lipotides assist in folding of outer membrane proteins. <i>Protein Science</i> , 2018 , 27, 451-462	6.3	4
69	The Role of A β in Alzheimer's Disease 2013 , 263-293		4
68	Interactions of β Cyclodextrin with the Mixed Micelles of Anionic Surfactants and Their Inclusion Complexes Formation. <i>Journal of Dispersion Science and Technology</i> , 2008 , 29, 885-890	1.5	4
67	MIRRAGGE - Minimum Information Required for Reproducible AGGregation Experiments. <i>Frontiers in Molecular Neuroscience</i> , 2020 , 13, 582488	6.1	4
66	Structures and mechanisms of formation of lipotides. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140505	4	4
65	The Use of Surfactants to Solubilise a Glucagon Analogue. <i>Pharmaceutical Research</i> , 2018 , 35, 235	4.5	4
64	Using Lipotides to Deliver Cholesterol to the Plasma Membrane. <i>Journal of Membrane Biology</i> , 2018 , 251, 581-592	2.3	3
63	Promoting protein self-association in non-glycosylated <i>Thermomyces lanuginosus</i> lipase based on crystal lattice contacts. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015 , 1854, 1914-1921	4	3
62	Fluorescence Spectroscopy as a Tool to Characterize Amyloid Oligomers and Fibrils 2013 , 211-243		3
61	Experimental Approaches to Inducing Amyloid Aggregates 2013 , 295-320		3
60	Hormone Amyloids in Sickness and in Health 2013 , 395-410		3
59	The C-terminal tail of β synuclein protects against aggregate replication but is critical for oligomerization.. <i>Communications Biology</i> , 2022 , 5, 123	6.7	3
58	A Protein Corona Modulates Interactions of β synuclein with Nanoparticles and Alters the Rates of the Microscopic Steps of Amyloid Formation.. <i>ACS Nano</i> , 2022 ,	16.7	3

57	Amyloid fibril inhibition, acceleration, or fragmentation; Are nano-based approaches advance in the right direction?. <i>Nano Today</i> , 2020 , 35, 100983	17.9	3
56	Concatemers of Outer Membrane Protein A Take Detours in the Folding Landscape. <i>Biochemistry</i> , 2016 , 55, 7123-7140	3.2	3
55	Multiple Protective Roles of Nanoliposome-Incorporated Baicalein against Alpha-Synuclein Aggregates. <i>Advanced Functional Materials</i> , 2021 , 31, 2007765	15.6	3
54	Dynamic content exchange between lipotides. <i>Biophysical Chemistry</i> , 2018 , 233, 13-18	3.5	3
53	How epigallocatechin gallate binds and assembles oligomeric forms of human alpha-synuclein. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100788	5.4	3
52	Tailoring thermal treatment to form lipotide complexes between oleic acid and different proteins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 682-693	4	2
51	A monomer-trimer model supports intermittent glucagon fibril growth. <i>Scientific Reports</i> , 2015 , 5, 9005	4.9	2
50	Protein aggregation: close encounters of the greasy kind. <i>Nature Chemical Biology</i> , 2015 , 11, 176-7	11.7	2
49	The Amyloid Phenomenon and Its Significance 2013 , 1-19		2
48	What Does Solid-State NMR Tell Us about Amyloid Structures? 2013 , 39-61		2
47	The changing face of SDS denaturation: Complexes of <i>Thermomyces lanuginosus</i> lipase with SDS at pH 4.0, 6.0 and 8.0.. <i>Journal of Colloid and Interface Science</i> , 2022 , 614, 214-232	9.3	2
46	Folding Steps in the Fibrillation of Functional Amyloid: Denaturant Sensitivity Reveals Common Features in Nucleation and Elongation. <i>Journal of Molecular Biology</i> , 2021 , 434, 167337	6.5	2
45	Peroxyntrous acid (ONOOH) modifies the structure of anastellin and influences its capacity to polymerize fibronectin. <i>Redox Biology</i> , 2020 , 36, 101631	11.3	2
44	In situ Sub-Cellular Identification of Functional Amyloids in Bacteria and Archaea by Infrared Nanospectroscopy.. <i>Small Methods</i> , 2021 , 5, e2001002	12.8	2
43	Driving forces in amyloidosis: How does a light chain make a heavy heart?. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100785	5.4	2
42	Heparin promotes fibrillation of most phenol-soluble modulin virulence peptides from <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , 2021 , 297, 100953	5.4	2
41	Ubiquitin forms conventional decorated micelle structures with sodium dodecyl sulfate at saturation. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 233-244	9.3	2
40	Cys-labeling kinetics of membrane protein GlpG: a role for specific SDS binding and micelle changes?. <i>Biophysical Journal</i> , 2021 , 120, 4115-4128	2.9	2

39	Near-complete ¹ H, ¹³ C, ¹⁵ N resonance assignments of dimethylsulfoxide-denatured TGFβ1p FAS1-4 A546T. <i>Biomolecular NMR Assignments</i> , 2016 , 10, 25-9	0.7	1
38	The transcriptional regulator GalR self-assembles to form highly regular tubular structures. <i>Scientific Reports</i> , 2016 , 6, 27672	4.9	1
37	N for AsN - O for strOcture? A strand-loop-strand motif for prokaryotic O-glycosylation. <i>Molecular Microbiology</i> , 2012 , 83, 879-83	4.1	1
36	From Molecular to Supramolecular Amyloid Structures: Contributions from Fiber Diffraction and Electron Microscopy 2013 , 63-84		1
35	Pathways of Amyloid Formation 2013 , 151-166		1
34	Fibrillar Polymorphism 2013 , 321-343		1
33	Inhibitors of Amyloid and Oligomer Formation 2013 , 345-372		1
32	Development of Therapeutic Strategies for the Transthyretin Amyloidoses 2013 , 373-394		1
31	Harnessing the Self-Assembling Properties of Proteins in Spider Silk and Lung Surfactant 2013 , 455-470		1
30	An Aβ ₄₂ monomer with altered aggregation propensities. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 2025-35	4	1
29	Membrane Structure of Aquaporin Observed with Combined Experimental and Theoretical Sum Frequency Generation Spectroscopy. <i>Langmuir</i> , 2021 , 37, 13452-13459	4	1
28	Lipid Peroxidation Products HNE and ONE Promote and Stabilize Alpha-Synuclein Oligomers by Chemical Modifications. <i>Biochemistry</i> , 2021 , 60, 3644-3658	3.2	1
27	C subunit of the ATP synthase is an amyloidogenic channel-forming peptide: possible implications in mitochondrial pathogenesis		1
26	Quantitating denaturation by formic acid: Imperfect repeats are essential to the stability of the functional amyloid protein FapC		1
25	Identification of amyloidogenic proteins in the microbiomes of a rat Parkinson's disease model and wild-type rats. <i>Protein Science</i> , 2021 , 30, 1854-1870	6.3	1
24	Molecular characteristics of porcine alpha-synuclein splicing variants. <i>Biochimie</i> , 2021 , 180, 121-133	4.6	1
23	The status of the terminal regions of β-synuclein in different forms of aggregates during fibrillization. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 543-550	7.9	0
22	Bidirectional protein-protein interactions control liquid-liquid phase separation of PSD-95 and its interaction partners.. <i>IScience</i> , 2022 , 25, 103808	6.1	0

21	Induction, inhibition, and incorporation: Different roles for anionic and zwitterionic lysolipids in the fibrillation of the functional amyloid FapC.. <i>Journal of Biological Chemistry</i> , 2022 , 101569	5.4	○
20	A semi high-throughput method for real-time monitoring of curli producing biofilms on air-solid interfaces. <i>Biofilm</i> , 2021 , 3, 100060	5.9	○
19	Chaperones mainly suppress primary nucleation during formation of functional amyloid required for bacterial biofilm formation.. <i>Chemical Science</i> , 2022 , 13, 536-553	9.4	○
18	Human Fibrinogen Inhibits Amyloid Assembly of Most Phenol-Soluble Modulins from. <i>ACS Omega</i> , 2021 , 6, 21960-21970	3.9	○
17	Glycation modulates alpha-synuclein fibrillization kinetics: a sweet spot for inhibition.. <i>Journal of Biological Chemistry</i> , 2022 , 101848	5.4	○
16	Low dose DMSO treatment induces oligomerization and accelerates aggregation of β synuclein.. <i>Scientific Reports</i> , 2022 , 12, 3737	4.9	○
15	Amyloid Structures at the Atomic Level: Insights from Crystallography 2013 , 21-38		
14	Structures of Aggregating Species by Small-Angle X-Ray Scattering 2013 , 85-102		
13	Structural and Compositional Information about Pre-Amyloid Oligomers 2013 , 103-126		
12	The Oligomer Species: Mechanistics and Biochemistry 2013 , 127-150		
11	Sequence-Based Prediction of Protein Behavior 2013 , 167-182		
10	Animal Models of Amyloid Diseases 2013 , 245-262		
9	Structural Properties and Applications of Self-Assembling Peptides 2013 , 439-454		
8	Surfactants and Alcohols as Inducers of Protein Amyloid: Aggregation Chaperones or Membrane Simulators? 2011 , 57-92		
7	The neuroendocrine peptide 7B2 prevents neurodegenerative disease-related protein aggregation. <i>FASEB Journal</i> , 2012 , 26, 752.6	0.9	
6	Per-glycosylation of the Surface-Accessible Lysines: One-Pot Aqueous Route to Stabilized Proteins with Native Activity. <i>ChemBioChem</i> , 2021 , 22, 2478-2485	3.8	
5	A Triple Role for a Bilayer: Using Nanoliposomes to Cross and Protect Cellular Membranes. <i>Journal of Membrane Biology</i> , 2021 , 254, 29-39	2.3	
4	The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth 2020 , 16, e1007767		

- 3 The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth **2020**, 16, e1007767
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