

Daniel E Otzen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Bidirectional protein-protein interactions control liquid-liquid phase separation of PSD-95 and its interaction partners.. <i>Science</i> , 2022 , 25, 103808	6.1	0
271	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	0
270	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
269	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
268	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	0
267	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
266	Glycation modulates alpha-synuclein fibrillization kinetics: a sweet spot for inhibition.. <i>Journal of Biological Chemistry</i> , 2022 , 101848	5.4	0
265	Low dose DMSO treatment induces oligomerization and accelerates aggregation of β synuclein.. <i>Scientific Reports</i> , 2022 , 12, 3737	4.9	0
264	Membrane Structure of Aquaporin Observed with Combined Experimental and Theoretical Sum Frequency Generation Spectroscopy. <i>Langmuir</i> , 2021 , 37, 13452-13459	4	1
263	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
262	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
261	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	0
260	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
259	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
258	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	
257	A multimethod approach for analyzing FapC fibrillation and determining mass per length. <i>Biophysical Journal</i> , 2021 , 120, 2262-2275	2.9	7
256	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

255	Molecular characteristics of porcine alpha-synuclein splicing variants. <i>Biochimie</i> , 2021 , 180, 121-133	4.6	1
254	Multiple Protective Roles of Nanoliposome-Incorporated Baicalein against Alpha-Synuclein Aggregates. <i>Advanced Functional Materials</i> , 2021 , 31, 2007765	15.6	3
253	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
252	Breakdown of supersaturation barrier links protein folding to amyloid formation. <i>Communications Biology</i> , 2021 , 4, 120	6.7	15
251	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
250	Human Fibrinogen Inhibits Amyloid Assembly of Most Phenol-Soluble Modulins from. <i>ACS Omega</i> , 2021 , 6, 21960-21970	3.9	0
249	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
248	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
247	Microfluidics and the quantification of biomolecular interactions. <i>Current Opinion in Structural Biology</i> , 2021 , 70, 8-15	8.1	6
246	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
245	How epigallocatechin gallate binds and assembles oligomeric forms of human alpha-synuclein. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100788	5.4	3
244	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	
243	The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth. <i>PLoS Computational Biology</i> , 2020 , 16, e1007767	5	14
242	Peak Force Infrared-Kelvin Probe Force Microscopy. <i>Angewandte Chemie</i> , 2020 , 132, 16217-16224	3.6	5
241	Peak Force Infrared-Kelvin Probe Force Microscopy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16083-16090	16.4	5
240	DIBMA nanodiscs keep β synuclein folded. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183314	3.8	10
239	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
238	Half a century of amyloids: past, present and future. <i>Chemical Society Reviews</i> , 2020 , 49, 5473-5509	58.5	142

237	Nanosilver Mitigates Biofilm Formation via FapC Amyloidosis Inhibition. <i>Small</i> , 2020 , 16, e1906674	11	12
236	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
235	Amyloid Formation of β synuclein Based on the Solubility- and Supersaturation-Dependent Mechanism. <i>Langmuir</i> , 2020 , 36, 4671-4681	4	7
234	The interactome of stabilized β synuclein oligomers and neuronal proteins. <i>FEBS Journal</i> , 2020 , 287, 2037-2054	5.7	5
233	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
232	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
231	Accelerated Amyloid Beta Pathogenesis by Bacterial Amyloid FapC. <i>Advanced Science</i> , 2020 , 7, 2001299	13.6	21
230	MIRRAGGE - Minimum Information Required for Reproducible AGGregation Experiments. <i>Frontiers in Molecular Neuroscience</i> , 2020 , 13, 582488	6.1	4
229	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
228	Peroxynitrous acid (ONOOH) modifies the structure of anastellin and influences its capacity to polymerize fibronectin. <i>Redox Biology</i> , 2020 , 36, 101631	11.3	2
227	Biochemical mechanisms of aggregation in TGFBI-linked corneal dystrophies. <i>Progress in Retinal and Eye Research</i> , 2020 , 77, 100843	20.5	16
226	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
225	Structures and mechanisms of formation of lipotides. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140505	4	4
224	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
223	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
222	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
221	The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth 2020 , 16, e1007767		
220	The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth 2020 , 16, e1007767		

219	The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth 2020 , 16, e1007767		
218	The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth 2020 , 16, e1007767		
217	Alterations in Blood Monocyte Functions in Parkinson's Disease. <i>Movement Disorders</i> , 2019 , 34, 1711-1721		33
216	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
215	Quartz Crystal Microbalances as Tools for Probing Protein-Membrane Interactions. <i>Methods in Molecular Biology</i> , 2019 , 2003, 31-52	1.4	4
214	Functional Amyloids. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019 , 11,	10.2	92
213	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
212	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
211	Conservation of the Amyloid Interactome Across Diverse Fibrillar Structures. <i>Scientific Reports</i> , 2019 , 9, 3863	4.9	7
210	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
209	β -synuclein oligomers and fibrils: a spectrum of species, a spectrum of toxicities. <i>Journal of Neurochemistry</i> , 2019 , 150, 522-534	6	99
208	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
207	Bacterial Amyloids: Biogenesis and Biomaterials. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1174, 113-159	3.6	5
206	A complete picture of protein unfolding and refolding in surfactants. <i>Chemical Science</i> , 2019 , 11, 699-712	3.4	24
205	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
204	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
203	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	1.8	10
202	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

201	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
200	Physical Determinants of Amyloid Assembly in Biofilm Formation. <i>MBio</i> , 2019 , 10,	7.8	40
199	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
198	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
197	Using Lipotides to Deliver Cholesterol to the Plasma Membrane. <i>Journal of Membrane Biology</i> , 2018 , 251, 581-592	2.3	3
196	<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
195	Stabilizing vitamin D using the molten globule state of β lactalbumin. <i>Journal of Dairy Science</i> , 2018 , 101, 1817-1826	4	4
194	Early events in copper-ion catalyzed oxidation of β synuclein. <i>Free Radical Biology and Medicine</i> , 2018 , 121, 38-50	7.8	21
193	The potential of zwitterionic nanoliposomes against neurotoxic alpha-synuclein aggregates in Parkinson's Disease. <i>Nanoscale</i> , 2018 , 10, 9174-9185	7.7	24
192	Corneal Dystrophy Mutations Drive Pathogenesis by Targeting TGF β 1p Stability and Solubility in a Latent Amyloid-forming Domain. <i>Journal of Molecular Biology</i> , 2018 , 430, 1116-1140	6.5	12
191	Lipotides assist in folding of outer membrane proteins. <i>Protein Science</i> , 2018 , 27, 451-462	6.3	4
190	β synucleins from Animal Species Show Low Fibrillation Propensities and Weak Oligomer Membrane Disruption. <i>Biochemistry</i> , 2018 , 57, 5145-5158	3.2	13
189	Dynamic content exchange between lipotides. <i>Biophysical Chemistry</i> , 2018 , 233, 13-18	3.5	3
188	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
187	Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 161, 578-587	6	28
186	Can a Charged Surfactant Unfold an Uncharged Protein?. <i>Biophysical Journal</i> , 2018 , 115, 2081-2086	2.9	12
185	The Sheaths of Are Made of a New Type of Amyloid Protein. <i>Frontiers in Microbiology</i> , 2018 , 9, 2729	5.7	7
184	The Use of Surfactants to Solubilise a Glucagon Analogue. <i>Pharmaceutical Research</i> , 2018 , 35, 235	4.5	4

183	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
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	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
180	Refolding of SDS-Unfolded Proteins by Nonionic Surfactants. <i>Biophysical Journal</i> , 2017 , 112, 1609-1620	2.9	30
179	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
178	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
177	β Synuclein Oligomers: A Study in Diversity. <i>Israel Journal of Chemistry</i> , 2017 , 57, 699-723	3.4	12
176	A new class of hybrid secretion system is employed in <i>Pseudomonas amyloid</i> biogenesis. <i>Nature Communications</i> , 2017 , 8, 263	17.4	41
175	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
174	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
173	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
172	Lipptides kill cancer cells by disrupting the plasma membrane. <i>Scientific Reports</i> , 2017 , 7, 15129	4.9	14
171	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
170	Antibodies against the C-terminus of β Synuclein modulate its fibrillation. <i>Biophysical Chemistry</i> , 2017 , 220, 34-41	3.5	22
169	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
168	Near-complete ^1H , ^{13}C , ^{15}N resonance assignments of dimethylsulfoxide-denatured TGFBIp FAS1-4 A546T. <i>Biomolecular NMR Assignments</i> , 2016 , 10, 25-9	0.7	1
167	Formation and Characterization of β Synuclein Oligomers. <i>Methods in Molecular Biology</i> , 2016 , 1345, 133-50	1.4	23
166	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

165	The transcriptional regulator GalR self-assembles to form highly regular tubular structures. <i>Scientific Reports</i> , 2016 , 6, 27672	4.9	1
164	βSynuclein 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
163	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
162	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
161	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
160	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
159	The Compact and Biologically Relevant Structure of Inter-βInhibitor Is Maintained by the Chondroitin Sulfate Chain and Divalent Cations. <i>Journal of Biological Chemistry</i> , 2016 , 291, 4658-70	5.4	5
158	A Monte Carlo Study of the Early Steps of Functional Amyloid Formation. <i>PLoS ONE</i> , 2016 , 11, e0146096	3.7	7
157	Weak and Saturable Protein-Surfactant Interactions in the Denaturation of Apo-βLactalbumin by Acidic and Lactonic Sphorolipid. <i>Frontiers in Microbiology</i> , 2016 , 7, 1711	5.7	11
156	Incorporation of βSilicon-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
155	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
154	Concatemers of Outer Membrane Protein A Take Detours in the Folding Landscape. <i>Biochemistry</i> , 2016 , 55, 7123-7140	3.2	3
153	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
152	Liprotides made of βLactalbumin 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
151	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
150	Gallic acid loaded onto polyethylenimine-coated human serum albumin nanoparticles (PEI-HSA-GA NPs) stabilizes βSynuclein in the unfolded conformation and inhibits aggregation. <i>RSC Advances</i> , 2016 , 6, 85312-85323	3.7	16
149	How Glycosaminoglycans Promote Fibrillation of Salmon Calcitonin. <i>Journal of Biological Chemistry</i> , 2016 , 291, 16849-62	5.4	15
148	Using protein-fatty acid complexes to improve vitamin D stability. <i>Journal of Dairy Science</i> , 2016 , 99, 7754-7767	14	

147	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
146	Proteins in a brave new surfactant world. <i>Current Opinion in Colloid and Interface Science</i> , 2015 , 20, 161-169		49
145	The Use of Lipotides To Stabilize and Transport Hydrophobic Molecules. <i>Biochemistry</i> , 2015 , 54, 4815-23.2		16
144	The natural, peptaibolic peptide SPF-5506-A4 adopts a β -bend 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
143	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
142	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
141	The length distribution of frangible biofilaments. <i>Journal of Chemical Physics</i> , 2015 , 143, 164901	3.9	15
140	A monomer-trimer model supports intermittent glucagon fibril growth. <i>Scientific Reports</i> , 2015 , 5, 9005	4.9	2
139	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
138	The anionic biosurfactant rhamnolipid does not denature industrial enzymes. <i>Frontiers in Microbiology</i> , 2015 , 6, 292	5.7	31
137	Functional bacterial amyloid increases Pseudomonas biofilm hydrophobicity and stiffness. <i>Frontiers in Microbiology</i> , 2015 , 6, 1099	5.7	93
136	Cooperative folding of a polytopic β -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
135	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
134	The Tubular Sheaths Encasing <i>Methanosaeta thermophila</i> Filaments Are Functional Amyloids. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20590-600	5.4	28
133	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
132	Protein aggregation: close encounters of the greasy kind. <i>Nature Chemical Biology</i> , 2015 , 11, 176-7	11.7	2
131	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
130	Folding of outer membrane protein A in the anionic biosurfactant rhamnolipid. <i>FEBS Letters</i> , 2014 , 588, 1955-60	3.8	26

129	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
128	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
127	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
126	Low-resolution structures of OmpA?DDM protein-detergent complexes. <i>ChemBioChem</i> , 2014 , 15, 2113-248	3.8	19
125	How epigallocatechin gallate can inhibit β -synuclein oligomer toxicity in vitro. <i>Journal of Biological Chemistry</i> , 2014 , 289, 21299-310	5.4	133
124	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
123	High stability and cooperative unfolding of β -synuclein oligomers. <i>Biochemistry</i> , 2014 , 53, 6252-63	3.2	56
122	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
121	Folding energetics and oligomerization of polytopic β -helical transmembrane proteins. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 564, 281-96	4.1	19
120	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
119	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
118	The antimicrobial mechanism of action of epsilon-poly-l-lysine. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 7758-70	4.8	149
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