# Daniel E Otzen

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 258 papers | 13,622 citations | 22099 59 h-index | 29081 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. | 3.3 | 1,162 |
| 2 | Proteinâ€“surfactant interactions: A tale of many states. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 562-591. | 1.1 | 482 |
| 3 | Half a century of amyloids: past, present and future. Chemical Society Reviews, 2020, 49, 5473-5509. | 18.7 | 345 |
| 4 | Amyloid adhesins are abundant in natural biofilms. Environmental Microbiology, 2007, 9, 3077-3090. | 1.8 | 291 |
| 5 | Protein Unfolding in Detergents: Effect of Micelle Structure, Ionic Strength, pH, and Temperature. Biophysical Journal, 2002, 83, 2219-2230. | 0.2 | 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. | 1.4 | 257 |
| 7 | Functional amyloid in <i>Pseudomonas</i>. Molecular Microbiology, 2010, 77, 1009-1020. | 1.2 | 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. | 3.3 | 222 |
| 9 | Aggregation and fibrillation of bovine serum albumin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1128-1138. | 1.1 | 219 |
| 10 | The Antimicrobial Mechanism of Action of Epsilon-Poly- <scp>l</scp> -Lysine. Applied and Environmental Microbiology, 2014, 80, 7758-7770. | 1.4 | 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. | 6.6 | 218 |
| 12 | The Changing Face of Glucagon Fibrillation: Structural Polymorphism and Conformational Imprinting. Journal of Molecular Biology, 2006, 355, 501-523. | 2.0 | 211 |
| 13 | Î±â€synuclein oligomers and fibrils: a spectrum of species, a spectrum of toxicities. Journal of Neurochemistry, 2019, 150, 522-534. | 2.1 | 201 |
| 14 | Functional Amyloids. Cold Spring Harbor Perspectives in Biology, 2019, 11, a033860. | 2.3 | 200 |
| 15 | Unique Identification of Supramolecular Structures in Amyloid Fibrils by Solidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 2118-2121. | 7.2 | 195 |
| 16 | Structural Changes in the Transition State of Protein Folding:â€‰ Alternative Interpretations of Curved Chevron Plots. Biochemistry, 1999, 38, 6499-6511. | 1.2 | 184 |
| 17 | SDS-Induced Fibrillation of Î±-Synuclein: An Alternative Fibrillation Pathway. Journal of Molecular Biology, 2010, 401, 115-133. | 2.0 | 182 |
| 18 | How Epigallocatechin Gallate Can Inhibit Î±-Synuclein Oligomer Toxicity in Vitro. Journal of Biological Chemistry, 2014, 289, 21299-21310. | 1.6 | 172 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Biosurfactants and surfactants interacting with membranes and proteins: Same but different?. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 639-649. | 1.4 | 171 |
| 20 | Strategies to increase the reproducibility of protein fibrillization in plate reader assays. Analytical Biochemistry, 2010, 400, 270-281. | 1.1 | 163 |
| 21 | We find them here, we find them there: Functional bacterial amyloid. Cellular and Molecular Life Sciences, 2008, 65, 910-927. | 2.4 | 162 |
| 22 | Branching in Amyloid Fibril Growth. Biophysical Journal, 2009, 96, 1529-1536. | 0.2 | 146 |
| 23 | A SAXS Study of Glucagon Fibrillation. Journal of Molecular Biology, 2009, 387, 147-161. | 2.0 | 145 |
| 24 | Sequential pH-driven dimerization and stabilization of the N-terminal domain enables rapid spider silk formation. Nature Communications, 2014, 5, 3254. | 5.8 | 134 |
| 25 | Functional bacterial amyloid increases Pseudomonas biofilm hydrophobicity and stiffness. Frontiers in Microbiology, 2015, 6, 1099. | 1.5 | 133 |
| 26 | Interactions between folding factors and bacterial outer membrane proteins. Molecular Microbiology, 2005, 57, 326-346. | 1.2 | 132 |
| 27 | Activation, Inhibition, and Destabilization of Thermomyces lanuginosus Lipase by Detergents. Biochemistry, 2005, 44, 1719-1730. | 1.2 | 132 |
| 28 | The Role of Decorated SDS Micelles in Sub-CMC Protein Denaturation and Association. Journal of Molecular Biology, 2009, 391, 207-226. | 2.0 | 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. | 1.2 | 130 |
| 30 | Curli Functional Amyloid Systems Are Phylogenetically Widespread and Display Large Diversity in Operon and Protein Structure. PLoS ONE, 2012, 7, e51274. | 1.1 | 124 |
| 31 | Unfolding of Î²-Sheet Proteins in SDS. Biophysical Journal, 2007, 92, 3674-3685. | 0.2 | 116 |
| 32 | Modulation of S6 Fibrillation by Unfolding Rates and Gatekeeper Residues. Journal of Molecular Biology, 2004, 341, 575-588. | 2.0 | 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. | 2.0 | 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. | 5.0 | 105 |
| 35 | Coexistence of ribbon and helical fibrils originating from hIAPP <sub>20â€“29</sub> revealed by quantitative nanomechanical atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2798-2803. | 3.3 | 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. | 7.2 | 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. | 1.3 | 102 |
| 38 | Amyloid structure â€" one but not the same: the many levels of fibrillar polymorphism. FEBS Journal, 2010, 277, 4591-4601. | 2.2 | 101 |
| 39 | Functional amyloid. Prion, 2010, 4, 256-264. | 0.9 | 98 |
| 40 | Assays for Î±-synuclein aggregation. Methods, 2011, 53, 295-305. | 1.9 | 98 |
| 41 | Structure of a Functional Amyloid Protein Subunit Computed Using Sequence Variation. Journal of the American Chemical Society, 2015, 137, 22-25. | 6.6 | 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. | 2.0 | 96 |
| 43 | Interactions between misfolded protein oligomers and membranes: A central topic in neurodegenerative diseases?. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1897-1907. | 1.4 | 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. | 1.2 | 89 |
| 45 | Detection of Pathogenic Biofilms with Bacterial Amyloid Targeting Fluorescent Probe, CDy11. Journal of the American Chemical Society, 2016, 138, 402-407. | 6.6 | 82 |
| 46 | The Influence of Vesicle Size and Composition on Î±-Synuclein Structure and Stability. Biophysical Journal, 2009, 96, 2857-2870. | 0.2 | 79 |
| 47 | Global Study of Myoglobinâˆ'Surfactant Interactions. Langmuir, 2008, 24, 399-407. | 1.6 | 78 |
| 48 | Structural basis for cyclodextrins' suppression of human growth hormone aggregation. Protein Science, 2009, 11, 1779-1787. | 3.1 | 77 |
| 49 | Amyloidâ€"a state in many guises: Survival of the fittest fibril fold. Protein Science, 2008, 17, 2-10. | 3.1 | 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. | 1.6 | 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. | 5.0 | 74 |
| 52 | Burst-phase expansion of native protein prior to global unfolding in SDS. Journal of Molecular Biology, 2002, 315, 1231-1240. | 2.0 | 73 |
| 53 | In vitro and in silico assessment of the developability of a designed monoclonal antibody library. MAbs, 2019, 11, 388-400. | 2.6 | 72 |
| 54 | Amyloid Formation in Surfactants and Alcohols: Membrane Mimetics or Structural Switchers?. Current Protein and Peptide Science, 2010, 11, 355-371. | 0.7 | 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. | 2.5 | 68 |
| 56 | Folding of outer membrane proteins. Archives of Biochemistry and Biophysics, 2013, 531, 34-43. | 1.4 | 67 |
| 57 | High Stability and Cooperative Unfolding of Î±-Synuclein Oligomers. Biochemistry, 2014, 53, 6252-6263. | 1.2 | 67 |
| 58 | Alterations in Blood Monocyte Functions in Parkinson's Disease. Movement Disorders, 2019, 34, 1711-1721. | 2.2 | 67 |
| 59 | Widespread Abundance of Functional Bacterial Amyloid in Mycolata and Other Gram-Positive Bacteria. Applied and Environmental Microbiology, 2009, 75, 4101-4110. | 1.4 | 66 |
| 60 | Physical Determinants of Amyloid Assembly in Biofilm Formation. MBio, 2019, 10, . | 1.8 | 66 |
| 61 | Effect of proteinâ€"surfactant interactions on aggregation of Î²-lactoglobulin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 713-723. | 1.1 | 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. | 3.4 | 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. | 3.3 | 60 |
| 65 | Evolutionary Insight into the Functional Amyloids of the Pseudomonads. PLoS ONE, 2013, 8, e76630. | 1.1 | 56 |
| 66 | A new class of hybrid secretion system is employed in Pseudomonas amyloid biogenesis. Nature Communications, 2017, 8, 263. | 5.8 | 56 |
| 67 | Glucagon Fibril Polymorphism Reflects Differences in Protofilament Backbone Structure. Journal of Molecular Biology, 2010, 397, 932-946. | 2.0 | 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. | 1.6 | 55 |
| 69 | Oleuropein derivatives from olive fruit extracts reduce Î±-synuclein fibrillation and oligomer toxicity. Journal of Biological Chemistry, 2019, 294, 4215-4232. | 1.6 | 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. | 2.0 | 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. | 1.6 | 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. | 3.1 | 52 |

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| 73 | Glucagon Amyloid-like Fibril Morphology Is Selected via Morphology-Dependent Growth Inhibition. Biochemistry, 2007, 46, 7314-7324. | 1.2 | 52 |
| 74 | Mechanistic Understanding of the Interactions between Nano-Objects with Different Surface Properties and Î±-Synuclein. ACS Nano, 2019, 13, 3243-3256. | 7.3 | 51 |
| 75 | A complete picture of protein unfolding and refolding in surfactants. Chemical Science, 2020, 11, 699-712. | 3.7 | 51 |
| 76 | Wildtype and A30P Mutant Alpha-Synuclein Form Different Fibril Structures. PLoS ONE, 2013, 8, e67713. | 1.1 | 48 |
| 77 | Biochemical mechanisms of aggregation in TGFBI-linked corneal dystrophies. Progress in Retinal and Eye Research, 2020, 77, 100843. | 7.3 | 48 |
| 78 | Accelerated Amyloid Beta Pathogenesis by Bacterial Amyloid FapC. Advanced Science, 2020, 7, 2001299. | 5.6 | 47 |
| 79 | The Role of Proteins in Biosilicification. Scientifica, 2012, 2012, 1-22. | 0.6 | 46 |
| 80 | Proteinâ€"fatty acid complexes: biochemistry, biophysics and function. FEBS Journal, 2013, 280, 1733-1749. | 2.2 | 44 |
| 81 | Protein Engineering Reveals Mechanisms of Functional Amyloid Formation in Pseudomonas aeruginosa Biofilms. Journal of Molecular Biology, 2018, 430, 3751-3763. | 2.0 | 44 |
| 82 | Pardaxin Permeabilizes Vesicles More Efficiently by Pore Formation than by Disruption. Biophysical Journal, 2010, 98, 576-585. | 0.2 | 43 |
| 83 | Refolding of SDS-Unfolded Proteins by Nonionic Surfactants. Biophysical Journal, 2017, 112, 1609-1620. | 0.2 | 43 |
| 84 | The anionic biosurfactant rhamnolipid does not denature industrial enzymes. Frontiers in Microbiology, 2015, 6, 292. | 1.5 | 42 |
| 85 | A simple way to measure protein refolding rates in water. Journal of Molecular Biology, 2001, 313, 479-483. | 2.0 | 40 |
| 86 | Versatile Interactions of the Antimicrobial Peptide Novispirin with Detergents and Lipidsâ€. Biochemistry, 2006, 45, 481-497. | 1.2 | 40 |
| 87 | p25Î± is flexible but natively folded and binds tubulin with oligomeric stoichiometry. Protein Science, 2009, 14, 1396-1409. | 3.1 | 40 |
| 88 | Breakdown of supersaturation barrier links protein folding to amyloid formation. Communications Biology, 2021, 4, 120. | 2.0 | 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. | 3.3 | 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. | 1.2 | 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. | 1.3 | 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. | 1.2 | 36 |
| 93 | The Tubular Sheaths Encasing Methanosaeta thermophila Filaments Are Functional Amyloids. Journal of Biological Chemistry, 2015, 290, 20590-20600. | 1.6 | 36 |
| 94 | Formation and Characterization of Î±-Synuclein Oligomers. Methods in Molecular Biology, 2016, 1345, 133-150. | 0.4 | 36 |
| 95 | Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. Colloids and Surfaces B: Biointerfaces, 2018, 161, 578-587. | 2.5 | 36 |
| 96 | Imperfect repeats in the functional amyloid protein FapC reduce the tendency to fragment during fibrillation. Protein Science, 2019, 28, 633-642. | 3.1 | 36 |
| 97 | Î±-Synuclein vaccination modulates regulatory T cell activation and microglia in the absence of brain pathology. Journal of Neuroinflammation, 2016, 13, 74. | 3.1 | 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. | 1.6 | 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. | 1.1 | 33 |
| 100 | The Importance of Being Capped: Terminal Capping of an Amyloidogenic Peptide Affects Fibrillation Propensity and Fibril Morphology. Biochemistry, 2014, 53, 6968-6980. | 1.2 | 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. | 1.1 | 32 |
| 102 | A thermodynamic analysis of fibrillar polymorphism. Biophysical Chemistry, 2010, 149, 40-46. | 1.5 | 31 |
| 103 | Two conformationally distinct Î±-synuclein oligomers share common epitopes and the ability to impair long-term potentiation. PLoS ONE, 2019, 14, e0213663. | 1.1 | 31 |
| 104 | Mapping the folding pathway of the transmembrane protein DsbB by protein engineering. Protein Engineering, Design and Selection, 2011, 24, 139-149. | 1.0 | 30 |
| 105 | Mapping out the multistage fibrillation of glucagon. FEBS Journal, 2012, 279, 752-765. | 2.2 | 30 |
| 106 | Plant Polyphenols Inhibit Functional Amyloid and Biofilm Formation in Pseudomonas Strains by Directing Monomers to Off-Pathway Oligomers. Biomolecules, 2019, 9, 659. | 1.8 | 30 |
| 107 | The C-terminal tail of Î±-synuclein protects against aggregate replication but is critical for oligomerization. Communications Biology, 2022, 5, 123. | 2.0 | 30 |
| 108 | Folding of outer membrane protein A in the anionic biosurfactant rhamnolipid. FEBS Letters, 2014, 588, 1955-1960. | 1.3 | 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. | 2.8 | 29 |
| 110 | Antibodies against the C-terminus of Î±-synuclein modulate its fibrillation. Biophysical Chemistry, 2017, 220, 34-41. | 1.5 | 29 |
| 111 | Myoglobin and Î±-Lactalbumin Form Smaller Complexes with the Biosurfactant Rhamnolipid Than with SDS. Biophysical Journal, 2017, 113, 2621-2633. | 0.2 | 29 |
| 112 | The potential of zwitterionic nanoliposomes against neurotoxic alpha-synuclein aggregates in Parkinson's Disease. Nanoscale, 2018, 10, 9174-9185. | 2.8 | 29 |
| 113 | The hydrophobic effect characterises the thermodynamic signature of amyloid fibril growth. PLoS Computational Biology, 2020, 16, e1007767. | 1.5 | 29 |
| 114 | Stable intermediates determine proteins' primary unfolding sites in the presence of surfactants. Biopolymers, 2009, 91, 221-231. | 1.2 | 28 |
| 115 | Cyclodextrin-Scaffolded Alamethicin with Remarkably Efficient Membrane Permeabilizing Properties and Membrane Current Conductance. Journal of Physical Chemistry B, 2012, 116, 7652-7659. | 1.2 | 28 |
| 116 | Denaturation of Î±-lactalbumin and myoglobin by the anionic biosurfactant rhamnolipid. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 2338-2345. | 1.1 | 28 |
| 117 | Mechanical Stress Affects Glucagon Fibrillation Kinetics and Fibril Structure. Langmuir, 2011, 27, 12539-12549. | 1.6 | 27 |
| 118 | Folding energetics and oligomerization of polytopic Î±-helical transmembrane proteins. Archives of Biochemistry and Biophysics, 2014, 564, 281-296. | 1.4 | 27 |
| 119 | The role of protonation in protein fibrillation. FEBS Letters, 2010, 584, 780-784. | 1.3 | 26 |
| 120 | Reducing the Amyloidogenicity of Functional Amyloid Protein FapC Increases Its Ability To Inhibit Î±-Synuclein Fibrillation. ACS Omega, 2019, 4, 4029-4039. | 1.6 | 26 |
| 121 | Nanosilver Mitigates Biofilm Formation via FapC Amyloidosis Inhibition. Small, 2020, 16, e1906674. | 5.2 | 26 |
| 122 | Membrane Interactions of Novicidin, a Novel Antimicrobial Peptide: Phosphatidylglycerol Promotes Bilayer Insertion. Journal of Physical Chemistry B, 2010, 114, 11053-11060. | 1.2 | 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. | 1.3 | 24 |
| 124 | Correspondence between anomalous m- and Î” Cp-values in protein folding. Protein Science, 2009, 13, 3253-3263. | 3.1 | 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. | 0.8 | 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. | 1.0 | 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. | 1.3 | 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. | 1.1 | 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. | 2.0 | 23 |
| 130 | Lowâ€Resolution Structures of OmpAâ‹…DDM Proteinâ€"Detergent Complexes. ChemBioChem, 2014, 15, 2113-2124. | 1.3 | 22 |
| 131 | Using protein-fatty acid complexes to improve vitamin D stability. Journal of Dairy Science, 2016, 99, 7755-7767. | 1.4 | 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. | 1.1 | 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. | 1.6 | 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. | 1.7 | 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. | 1.7 | 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. | 3.3 | 21 |
| 137 | Multiple Roles of Heparin in the Aggregation of p25Î±. Journal of Molecular Biology, 2012, 421, 601-615. | 2.0 | 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. | 1.1 | 20 |
| 139 | Critical Influence of Cosolutes and Surfaces on the Assembly of Serpin-Derived Amyloid Fibrils. Biophysical Journal, 2017, 113, 580-596. | 0.2 | 20 |
| 140 | Can a Charged Surfactant Unfold an Uncharged Protein?. Biophysical Journal, 2018, 115, 2081-2086. | 0.2 | 20 |
| 141 | The length distribution of frangible biofilaments. Journal of Chemical Physics, 2015, 143, 164901. | 1.2 | 19 |
| 142 | MIRRAGGE â€" Minimum Information Required for Reproducible AGGregation Experiments. Frontiers in Molecular Neuroscience, 2020, 13, 582488. | 1.4 | 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. | 1.0 | 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. | 1.5 | 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. | 1.1 | 18 |
| 146 | Amyloid Formation of Î±-Synuclein Based on the Solubility- and Supersaturation-Dependent Mechanism. Langmuir, 2020, 36, 4671-4681. | 1.6 | 18 |
| 147 | Microfluidics and the quantification of biomolecular interactions. Current Opinion in Structural Biology, 2021, 70, 8-15. | 2.6 | 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, . | 3.3 | 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. | 2.5 | 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. | 2.0 | 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. | 1.1 | 17 |
| 152 | Functional Bacterial Amyloids: Understanding Fibrillation, Regulating Biofilm Fibril Formation and Organizing Surface Assemblies. Molecules, 2022, 27, 4080. | 1.7 | 17 |
| 153 | The Use of Liprotides To Stabilize and Transport Hydrophobic Molecules. Biochemistry, 2015, 54, 4815-4823. | 1.2 | 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. | 1.1 | 16 |
| 155 | Î±â€Synuclein Oligomers: A Study in Diversity. Israel Journal of Chemistry, 2017, 57, 699-723. | 1.0 | 16 |
| 156 | Peak Force Infraredâ€“Kelvin Probe Force Microscopy. Angewandte Chemie - International Edition, 2020, 59, 16083-16090. | 7.2 | 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. | 1.6 | 16 |
| 158 | Characterization of dry globular proteins and protein fibrils by synchrotron radiation vacuum UV circular dichroism. Biopolymers, 2008, 89, 779-795. | 1.2 | 15 |
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