

Christofer Lendel

List of Publications by Year in descending order

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45
papers

1,986
citations

279701

23
h-index

254106

43
g-index

47
all docs

47
docs citations

47
times ranked

2819
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of neurotoxic Alzheimer amyloid- β^2 oligomers by protein engineering. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15595-15600.	3.3	304
2	Inhibition of Amyloid Formation. Journal of Molecular Biology, 2012, 421, 441-465.	2.0	238
3	Design of an Optimized Scaffold for Affibody Molecules. Journal of Molecular Biology, 2010, 398, 232-247.	2.0	137
4	A Hexameric Peptide Barrel as Building Block of Amyloid- β^2 Protofibrils. Angewandte Chemie - International Edition, 2014, 53, 12756-12760.	7.2	128
5	An affibody in complex with a target protein: Structure and coupled folding. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3185-3190.	3.3	101
6	On the Mechanism of Nonspecific Inhibitors of Protein Aggregation: Dissecting the Interactions of β -Synuclein with Congo Red and Lacmoid. Biochemistry, 2009, 48, 8322-8334.	1.2	88
7	Flow-assisted assembly of nanostructured protein microfibers. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1232-1237.	3.3	77
8	Extracellular protein components of amyloid plaques and their roles in Alzheimer's disease pathology. Molecular Neurodegeneration, 2021, 16, 59.	4.4	69
9	Detergent-like Interaction of Congo Red with the Amyloid β^2 Peptide. Biochemistry, 2010, 49, 1358-1360.	1.2	66
10	On the role of peptide hydrolysis for fibrillation kinetics and amyloid fibril morphology. RSC Advances, 2018, 8, 6915-6924.	1.7	51
11	Structural Basis for Molecular Recognition in an Affibody:Affibody Complex. Journal of Molecular Biology, 2006, 359, 1293-1304.	2.0	46
12	Hydrophobicity and Conformational Change as Mechanistic Determinants for Nonspecific Modulators of Amyloid β^2 Self-Assembly. Biochemistry, 2012, 51, 126-137.	1.2	46
13	Amyloid- β^2 Protofibrils: Size, Morphology and Synaptotoxicity of an Engineered Mimic. PLoS ONE, 2013, 8, e66101.	1.1	46
14	Structure and Dynamics of a Partially Folded Protein Are Decoupled from Its Mechanism of Aggregation. Journal of the American Chemical Society, 2008, 130, 13040-13050.	6.6	38
15	Synergistic effects of metal-induced aggregation of human serum albumin. Colloids and Surfaces B: Biointerfaces, 2019, 173, 751-758.	2.5	35
16	Potato Protein Nanofibrils Produced from a Starch Industry Sidestream. ACS Sustainable Chemistry and Engineering, 2020, 8, 1058-1067.	3.2	35
17	Structural basis for the formation of soy protein nanofibrils. RSC Advances, 2019, 9, 6310-6319.	1.7	31
18	Protein nanofibrils and their use as building blocks of sustainable materials. RSC Advances, 2021, 11, 39188-39215.	1.7	29

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19	Protein Nanofibrils and Their Hydrogel Formation with Metal Ions. <i>ACS Nano</i> , 2021, 15, 5341-5354.	7.3	28
20	Protein Nanofibrils for Sustainable Food—Characterization and Comparison of Fibrils from a Broad Range of Plant Protein Isolates. <i>ACS Food Science & Technology</i> , 2021, 1, 854-864.	1.3	27
21	Thermodynamics of Folding, Stabilization, and Binding in an Engineered Protein—Protein Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 11220-11230.	6.6	26
22	Binding of Human Proteins to Amyloid- β^2 Protofibrils. <i>ACS Chemical Biology</i> , 2015, 10, 766-774.	1.6	26
23	Protein/Protein Nanocomposite Based on Whey Protein Nanofibrils in a Whey Protein Matrix. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5462-5469.	3.2	26
24	Metal release from stainless steel 316L in whey protein - And simulated milk solutions under static and stirring conditions. <i>Food Control</i> , 2019, 101, 163-172.	2.8	25
25	Systematic evaluation of SARS-CoV-2 antigens enables a highly specific and sensitive multiplex serological COVID-19 assay. <i>Clinical and Translational Immunology</i> , 2021, 10, e1312.	1.7	24
26	Biophysical characterization of ZSPA-1-A phage-display selected binder to protein A. <i>Protein Science</i> , 2004, 13, 2078-2088.	3.1	23
27	3D J-resolved NMR spectroscopy for unstructured polypeptides: fast measurement of $^3J_{\text{HNH}}^{\text{H}} \pm$ coupling constants with outstanding spectral resolution. <i>Journal of Biomolecular NMR</i> , 2009, 44, 35-42.	1.6	23
28	Transient small molecule interactions kinetically modulate amyloid β^2 peptide self-assembly. <i>FEBS Letters</i> , 2012, 586, 3991-3995.	1.3	21
29	Protein nanofibrils: Preparation, properties, and possible applications in industrial nanomaterials. , 2019, , 29-63.		19
30	Changes in secondary structure of β^2 -synuclein during oligomerization induced by reactive aldehydes. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 336-341.	1.0	18
31	Identification of proteins that specifically recognize and bind protofibrillar aggregates of amyloid- β^2 . <i>Scientific Reports</i> , 2017, 7, 5949.	1.6	17
32	Low molar excess of 4-oxo-2-nonenal and 4-hydroxy-2-nonenal promote oligomerization of alpha-synuclein through different pathways. <i>Free Radical Biology and Medicine</i> , 2017, 110, 421-431.	1.3	16
33	Thermodynamics of Folding and Binding in an Affibody:Affibody Complex. <i>Journal of Molecular Biology</i> , 2006, 359, 1305-1315.	2.0	14
34	Synthesis and chemoselective intramolecular crosslinking of a HER2-binding affibody. <i>Biopolymers</i> , 2009, 92, 116-123.	1.2	14
35	Sesquiterpenes from the saprotrophic fungus <i>Granulobasidium vellereum</i> (Ellis & Cragin) JÄ¼lich. <i>Phytochemistry</i> , 2014, 102, 197-204.	1.4	14
36	High-Temperature and Chemically Resistant Foams from Sustainable Nanostructured Protein. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100063.	2.7	11

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37	Intrinsically disordered protein as carbon nanotube dispersant: How dynamic interactions lead to excellent colloidal stability. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 172-179.	5.0	10
38	A Hexameric Peptide Barrel as Building Block of Amyloid- β Protofibrils. <i>Angewandte Chemie</i> , 2014, 126, 12970-12974.	1.6	8
39	^1H , ^{13}C and ^{15}N resonance assignments of an affibody-target complex. <i>Journal of Biomolecular NMR</i> , 2002, 24, 271-272.	1.6	7
40	Structural characterisation of amyloid-like fibrils formed by an amyloidogenic peptide segment of β -lactoglobulin. <i>RSC Advances</i> , 2021, 11, 27868-27879.	1.7	6
41	Hierarchical propagation of structural features in protein nanomaterials. <i>Nanoscale</i> , 2022, 14, 2502-2510.	2.8	6
42	Dissecting the Structural Organization of Multiprotein Amyloid Aggregates Using a Bottom-Up Approach. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1447-1457.	1.7	5
43	Combined Solution- and Magic Angle Spinning NMR Reveals Regions of Distinct Dynamics in Amyloid β Protofibrils. <i>ChemistrySelect</i> , 2016, 1, 5850-5853.	0.7	4
44	NMR Assignments of the Free and Bound-state Protein Components of an Anti-idiotypic Affibody Complex. <i>Journal of Biomolecular NMR</i> , 2006, 36, 13-13.	1.6	3
45	Mechanism of Non-Specific Inhibitors of Amyloid Assembly: Interactions of Lacmoid with the Amyloid Beta Peptide. <i>Biophysical Journal</i> , 2012, 102, 441a.	0.2	0