Christofer Lendel

List of Publications by Year
in descending order

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	Hierarchical propagation of structural features in protein nanomaterials. Nanoscale, 2022, 14, 2502-2510.	2.8	6
2	Systematic evaluation of SARSâ€CoVâ€2 antigens enables a highly specific and sensitive multiplex serological COVIDâ€19 assay. Clinical and Translational Immunology, 2021, 10, e1312.	1.7	24
3	Protein Nanofibrils and Their Hydrogel Formation with Metal Ions. ACS Nano, 2021, 15, 5341-5354.	7.3	28
4	Highâ€Temperature and Chemically Resistant Foams from Sustainable Nanostructured Protein. Advanced Sustainable Systems, 2021, 5, 2100063.	2.7	11
5	Protein Nanofibrils for Sustainable Foodâ€"Characterization and Comparison of Fibrils from a Broad Range of Plant Protein Isolates. ACS Food Science & Technology, 2021, 1, 854-864.	1.3	27
6	Extracellular protein components of amyloid plaques and their roles in Alzheimerâ€™s disease pathology. Molecular Neurodegeneration, 2021, 16, 59.	4.4	69
7	Structural characterisation of amyloid-like fibrils formed by an amyloidogenic peptide segment of Î²-lactoglobulin. RSC Advances, 2021, 11, 27868-27879.	1.7	6
8	Protein nanofibrils and their use as building blocks of sustainable materials. RSC Advances, 2021, 11, 39188-39215.	1.7	29
9	Potato Protein Nanofibrils Produced from a Starch Industry Sidestream. ACS Sustainable Chemistry and Engineering, 2020, 8, 1058-1067.	3.2	35
10	Dissecting the Structural Organization of Multiprotein Amyloid Aggregates Using a Bottom-Up Approach. ACS Chemical Neuroscience, 2020, 11, 1447-1457.	1.7	5
11	Intrinsically disordered protein as carbon nanotube dispersant: How dynamic interactions lead to excellent colloidal stability. Journal of Colloid and Interface Science, 2019, 556, 172-179.	5.0	10
12	Protein nanofibrils: Preparation, properties, and possible applications in industrial nanomaterials. , 2019, , 29-63.		19
13	Structural basis for the formation of soy protein nanofibrils. RSC Advances, 2019, 9, 6310-6319.	1.7	31
14	Metal release from stainless steel 316L in whey protein - And simulated milk solutions under static and stirring conditions. Food Control, 2019, 101, 163-172.	2.8	25
15	Synergistic effects of metal-induced aggregation of human serum albumin. Colloids and Surfaces B: Biointerfaces, 2019, 173, 751-758.	2.5	35
16	On the role of peptide hydrolysis for fibrillation kinetics and amyloid fibril morphology. RSC Advances, 2018, 8, 6915-6924.	1.7	51
17	Protein/Protein Nanocomposite Based on Whey Protein Nanofibrils in a Whey Protein Matrix. ACS Sustainable Chemistry and Engineering, 2018, 6, 5462-5469.	3.2	26
18	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

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19	Identification of proteins that specifically recognize and bind protofibrillar aggregates of amyloid-Î². Scientific Reports, 2017, 7, 5949.	1.6	17
20	Low molar excess of 4-oxo-2-nonenal and 4-hydroxy-2-nonenal promote oligomerization of alpha-synuclein through different pathways. Free Radical Biology and Medicine, 2017, 110, 421-431.	1.3	16
21	Combined Solutionâ€•and Magic Angle Spinning NMR Reveals Regions of Distinct Dynamics in Amyloid Î² Protofibrils. ChemistrySelect, 2016, 1, 5850-5853.	0.7	4
22	Changes in secondary structure of Î±-synuclein during oligomerization induced by reactive aldehydes. Biochemical and Biophysical Research Communications, 2015, 464, 336-341.	1.0	18
23	Binding of Human Proteins to Amyloid-Î² Protofibrils. ACS Chemical Biology, 2015, 10, 766-774.	1.6	26
24	A Hexameric Peptide Barrel as Building Block of Amyloidâ€Î² Protofibrils. Angewandte Chemie - International Edition, 2014, 53, 12756-12760.	7.2	128
25	Sesquiterpenes from the saprotrophic fungus Granulobasidium vellereum (Ellis & Cragin) JÃ¼lich. Phytochemistry, 2014, 102, 197-204.	1.4	14
26	A Hexameric Peptide Barrel as Building Block of Amyloidâ€Î² Protofibrils. Angewandte Chemie, 2014, 126, 12970-12974.	1.6	8
27	Amyloid-Î² Protofibrils: Size, Morphology and Synaptotoxicity of an Engineered Mimic. PLoS ONE, 2013, 8, e66101.	1.1	46
28	Transient small molecule interactions kinetically modulate amyloid Î² peptide selfâ€assembly. FEBS Letters, 2012, 586, 3991-3995.	1.3	21
29	Mechanism of Non-Specific Inhibitors of Amyloid Assembly: Interactions of Lacmoid with the Amyloid Beta Peptide. Biophysical Journal, 2012, 102, 441a.	0.2	0
30	Inhibition of Amyloid Formation. Journal of Molecular Biology, 2012, 421, 441-465.	2.0	238
31	Hydrophobicity and Conformational Change as Mechanistic Determinants for Nonspecific Modulators of Amyloid Î² Self-Assembly. Biochemistry, 2012, 51, 126-137.	1.2	46
32	Stabilization of neurotoxic Alzheimer amyloid-Î² oligomers by protein engineering. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15595-15600.	3.3	304
33	Design of an Optimized Scaffold for Affibody Molecules. Journal of Molecular Biology, 2010, 398, 232-247.	2.0	137
34	Detergent-like Interaction of Congo Red with the Amyloid Î² Peptide. Biochemistry, 2010, 49, 1358-1360.	1.2	66
35	Synthesis and chemoselective intramolecular crosslinking of a HER2â€binding affibody. Biopolymers, 2009, 92, 116-123.	1.2	14
36	3D J-resolved NMR spectroscopy for unstructured polypeptides: fast measurement of 3JHNHÎ± coupling constants with outstanding spectral resolution. Journal of Biomolecular NMR, 2009, 44, 35-42.	1.6	23

#	Article	IF	Citations
37	On the Mechanism of Nonspecific Inhibitors of Protein Aggregation: Dissecting the Interactions of Î±-Synuclein with Congo Red and Lacmoid. Biochemistry, 2009, 48, 8322-8334.	1.2	88
38	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
39	Thermodynamics of Folding and Binding in an Affibody:Affibody Complex. Journal of Molecular Biology, 2006, 359, 1305-1315.	2.0	14
40	Structural Basis for Molecular Recognition in an Affibody:Affibody Complex. Journal of Molecular Biology, 2006, 359, 1293-1304.	2.0	46
41	NMR Assignments of the Free and Bound-state Protein Components of an Anti-idiotypic Affibody Complex. Journal of Biomolecular NMR, 2006, 36, 13-13.	1.6	3
42	Thermodynamics of Folding, Stabilization, and Binding in an Engineered Proteinâ˜'Protein Complex. Journal of the American Chemical Society, 2004, 126, 11220-11230.	6.6	26
43	Biophysical characterization of ZSPA-1-A phage-display selected binder to protein A. Protein Science, 2004, 13, 2078-2088.	3.1	23
44	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
45	1H, 13C and 15N resonance assignments of an affibody-target complex. Journal of Biomolecular NMR, 2002, 24, 271-272.	1.6	7