Sara Snogerup Linse

List of Publications by Year
in descending order

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276 papers	26,240 citations	8159 76 h-index	7496 151 g-index
298 all docs	298 docs citations	298 times ranked	23053 citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the nanoparticle-protein corona using methods to quantify exchange rates and affinities of proteins for nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2050-2055.	3.3	2,705
2	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
3	Nucleation of protein fibrillation by nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8691-8696.	3.3	800
4	Detailed Identification of Plasma Proteins Adsorbed on Copolymer Nanoparticles. Angewandte Chemie - International Edition, 2007, 46, 5754-5756.	7.2	721
5	Atomic Resolution Structure of Monomorphic AÎ²₄₂ Amyloid Fibrils. Journal of the American Chemical Society, 2016, 138, 9663-9674.	6.6	695
6	The nanoparticleâ€“protein complex as a biological entity; a complex fluids and surface science challenge for the 21st century. Advances in Colloid and Interface Science, 2007, 134-135, 167-174.	7.0	618
7	On the lag phase in amyloid fibril formation. Physical Chemistry Chemical Physics, 2015, 17, 7606-7618.	1.3	590
8	Methods for the detection and analysis of proteinâ€“protein interactions. Proteomics, 2007, 7, 2833-2842.	1.3	554
9	Solution conditions determine the relative importance of nucleation and growth processes in Î±-synuclein aggregation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7671-7676.	3.3	546
10	Molecular mechanisms of protein aggregation from global fitting of kinetic models. Nature Protocols, 2016, 11, 252-272.	5.5	546
11	Inhibition of Amyloid Î² Protein Fibrillation by Polymeric Nanoparticles. Journal of the American Chemical Society, 2008, 130, 15437-15443.	6.6	499
12	Brain damage and behavioural disorders in fish induced by plastic nanoparticles delivered through the food chain. Scientific Reports, 2017, 7, 11452.	1.6	491
13	Altered Behavior, Physiology, and Metabolism in Fish Exposed to Polystyrene Nanoparticles. Environmental Science & Technology, 2015, 49, 553-561.	4.6	421
14	Differences in nucleation behavior underlie the contrasting aggregation kinetics of the AÎ²40 and AÎ²42 peptides. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9384-9389.	3.3	405
15	Food Chain Transport of Nanoparticles Affects Behaviour and Fat Metabolism in Fish. PLoS ONE, 2012, 7, e32254.	1.1	397
16	A molecular chaperone breaks the catalytic cycle that generates toxic AÎ² oligomers. Nature Structural and Molecular Biology, 2015, 22, 207-213.	3.6	373
17	Systematic Investigation of the Thermodynamics of HSA Adsorption toN-iso-Propylacrylamide/N-tert-Butylacrylamide Copolymer Nanoparticles. Effects of Particle Size and Hydrophobicity. Nano Letters, 2007, 7, 914-920.	4.5	357
18	Amyloid Î²-Protein Aggregation Produces Highly Reproducible Kinetic Data and Occurs by a Two-Phase Process. ACS Chemical Neuroscience, 2010, 1, 13-18.	1.7	339

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19	Secondary nucleation in amyloid formation. Chemical Communications, 2018, 54, 8667-8684.	2.2	323
20	Acceleration of Î±-Synuclein Aggregation by Exosomes. Journal of Biological Chemistry, 2015, 290, 2969-2982.	1.6	305
21	Modeling the Time Evolution of the Nanoparticle-Protein Corona in a Body Fluid. PLoS ONE, 2010, 5, e10949.	1.1	272
22	Dual Effect of Amino Modified Polystyrene Nanoparticles on Amyloid Î² Protein Fibrillation. ACS Chemical Neuroscience, 2010, 1, 279-287.	1.7	252
23	Complete highâ€density lipoproteins in nanoparticle corona. FEBS Journal, 2009, 276, 3372-3381.	2.2	247
24	A facile method for expression and purification of the Alzheimerâ€™s diseaseâ€associated amyloid Î²â€peptide. FEBS Journal, 2009, 276, 1266-1281.	2.2	237
25	Dynamics of oligomer populations formed during the aggregation of Alzheimerâ€™s AÎ²42 peptide. Nature Chemistry, 2020, 12, 445-451.	6.6	223
26	Kinetic analysis reveals the diversity of microscopic mechanisms through which molecular chaperones suppress amyloid formation. Nature Communications, 2016, 7, 10948.	5.8	219
27	Galectin-3, a novel endogenous TREM2 ligand, detrimentally regulates inflammatory response in Alzheimerâ€™s disease. Acta Neuropathologica, 2019, 138, 251-273.	3.9	187
28	Cholesterol catalyses AÎ²42 aggregation through a heterogeneous nucleation pathway in the presence of lipid membranes. Nature Chemistry, 2018, 10, 673-683.	6.6	186
29	Molecular Characterization of Î±â€"Lactalbumin Folding Variants That Induce Apoptosis in Tumor Cells. Journal of Biological Chemistry, 1999, 274, 6388-6396.	1.6	185
30	Detecting Cryptic Epitopes Created by Nanoparticles. Science Signaling, 2006, 2006, pe14-pe14.	1.6	184
31	Secondary nucleation of monomers on fibril surface dominates<i>Î±</i>-synuclein aggregation and provides autocatalytic amyloid amplification. Quarterly Reviews of Biophysics, 2017, 50, e6.	2.4	183
32	An anticancer drug suppresses the primary nucleation reaction that initiates the production of the toxic AÎ²42 aggregates linked with Alzheimerâ€™s disease. Science Advances, 2016, 2, e1501244.	4.7	180
33	Systematic development of small molecules to inhibit specific microscopic steps of AÎ²42 aggregation in Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E200-E208.	3.3	180
34	Interaction of the Molecular Chaperone DNAJB6 with Growing Amyloid-beta 42 (AÎ²42) Aggregates Leads to Sub-stoichiometric Inhibition of Amyloid Formation. Journal of Biological Chemistry, 2014, 289, 31066-31076.	1.6	158
35	Surface Effects on Aggregation Kinetics of Amyloidogenic Peptides. Journal of the American Chemical Society, 2014, 136, 11776-11782.	6.6	158
36	Electrostatic contributions to the binding of calcium in calbindin D9k. Biochemistry, 1991, 30, 154-162.	1.2	152

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37	The nanoparticle protein corona formed in human blood or human blood fractions. PLoS ONE, 2017, 12, e0175871.	1.1	148
38	The role of protein surface charges in ion binding. Nature, 1988, 335, 651-652.	13.7	144
39	HAMLET kills tumor cells by an apoptosis-like mechanismâ€”cellular, molecular, and therapeutic aspects. Advances in Cancer Research, 2003, 88, 1-29.	1.9	143
40	The S/T-Rich Motif in the DNAJB6 Chaperone Delays Polyglutamine Aggregation and the Onset of Disease in a Mouse Model. Molecular Cell, 2016, 62, 272-283.	4.5	140
41	Structure-function relationships in EF-hand calcium-binding proteins. Protein engineering and biophysical studies of calbindin D9k. Biochemistry, 1987, 26, 6723-6735.	1.2	139
42	Structure and functional properties of the <i>Bacillus subtilis</i> transcriptional repressor Rex. Molecular Microbiology, 2008, 69, 466-478.	1.2	134
43	Distinct thermodynamic signatures of oligomer generation in the aggregation of the amyloid-Î² peptide. Nature Chemistry, 2018, 10, 523-531.	6.6	129
44	BRICHOS Domains Efficiently Delay Fibrillation of Amyloid Î²-Peptide. Journal of Biological Chemistry, 2012, 287, 31608-31617.	1.6	127
45	Secondary nucleation and elongation occur at different sites on Alzheimerâ€™s amyloid-Î² aggregates. Science Advances, 2019, 5, eaau3112.	4.7	127
46	Membrane Interaction of Î±-Synuclein in Different Aggregation States. Journal of Parkinson's Disease, 2011, 1, 359-371.	1.5	123
47	Kinetic fingerprints differentiate the mechanisms of action of anti-AÎ² antibodies. Nature Structural and Molecular Biology, 2020, 27, 1125-1133.	3.6	123
48	Protein Microgels from Amyloid Fibril Networks. ACS Nano, 2015, 9, 43-51.	7.3	121
49	The AÎ²40 and AÎ²42 peptides self-assemble into separate homomolecular fibrils in binary mixtures but cross-react during primary nucleation. Chemical Science, 2015, 6, 4215-4233.	3.7	121
50	Î±-Lactalbumin unfolding is not sufficient to cause apoptosis, but is required for the conversion to HAMLET (human Î±-lactalbumin made lethal to tumor cells). Protein Science, 2003, 12, 2794-2804.	3.1	120
51	Quantification of the Concentration of AÎ²42 Propagons during the Lag Phase by an Amyloid Chain Reaction Assay. Journal of the American Chemical Society, 2014, 136, 219-225.	6.6	120
52	Selective targeting of primary and secondary nucleation pathways in AÎ²42 aggregation using a rational antibody scanning method. Science Advances, 2017, 3, e1700488.	4.7	116
53	3 Determinants that govern high-affinity calcium binding. Advances in Second Messenger and Phosphoprotein Research, 1995, 30, 89-151.	4.5	114
54	Calbindin D28k Exhibits Properties Characteristic of a Ca2+ Sensor. Journal of Biological Chemistry, 2002, 277, 16662-16672.	1.6	113

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55	Membrane Lipid Co-Aggregation with Î±-Synuclein Fibrils. PLoS ONE, 2013, 8, e77235.	1.1	113
56	Monomer-dependent secondary nucleation in amyloid formation. Biophysical Reviews, 2017, 9, 329-338.	1.5	112
57	Salting the Charged Surface: pH and Salt Dependence of Protein G B1 Stability. Biophysical Journal, 2006, 90, 2911-2921.	0.2	111
58	Trodusquemine enhances AÎ²42 aggregation but suppresses its toxicity by displacing oligomers from cell membranes. Nature Communications, 2019, 10, 225.	5.8	111
59	Microfluidic Diffusion Analysis of the Sizes and Interactions of Proteins under Native Solution Conditions. ACS Nano, 2016, 10, 333-341.	7.3	105
60	High Resolution Structural Characterization of AÎ²₄₂ Amyloid Fibrils by Magic Angle Spinning NMR. Journal of the American Chemical Society, 2015, 137, 7509-7518.	6.6	103
61	Kinetic diversity of amyloid oligomers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12087-12094.	3.3	103
62	Residue-Specific p<i>K</i>_a Determination of Lysine and Arginine Side Chains by Indirect ¹⁵N and ¹³C NMR Spectroscopy:â€‰ Application to <i>apo</i> Calmodulin. Journal of the American Chemical Society, 2007, 129, 15805-15813.	6.6	99
63	Lipids as cofactors in protein folding: Stereo-specific lipid-protein interactions are required to form HAMLET (human Î±-lactalbumin made lethal to tumor cells). Protein Science, 2003, 12, 2805-2814.	3.1	98
64	On the role of sidechain size and charge in the aggregation of A <i>Î²</i> 42 with familial mutations. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5849-E5858.	3.3	98
65	Mutational effects on the cooperativity of calcium binding in calmodulin. Biochemistry, 1993, 32, 7866-7871.	1.2	96
66	Semenogelins I and II bind zinc and regulate the activity of prostate-specific antigen. Biochemical Journal, 2005, 387, 447-453.	1.7	96
67	Structural Changes in Apolipoproteins Bound to Nanoparticles. Langmuir, 2011, 27, 14360-14369.	1.6	95
68	Role of Aromatic Side Chains in Amyloid Î²-Protein Aggregation. ACS Chemical Neuroscience, 2012, 3, 1008-1016.	1.7	92
69	Measurement of Ca2+-Binding Constants of Proteins and Presentation of the CaLigator Software. Analytical Biochemistry, 2002, 305, 195-205.	1.1	91
70	A folding variant of Î±-lactalbumin with bactericidal activity against Streptococcus pneumoniae. Molecular Microbiology, 2002, 35, 589-600.	1.2	91
71	Physical determinants of the self-replication of protein fibrils. Nature Physics, 2016, 12, 874-880.	6.5	90
72	Binding of calcium ions and SNAP-25 to the hexa EF-hand protein secretagogin. Biochemical Journal, 2007, 401, 353-363.	1.7	88

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73	Battle for the EF-Hands:â€‰ Magnesiumâˆ’Calcium Interference in Calmodulin. Biochemistry, 1999, 38, 11844-11850.	1.2	85
74	Adsorption of Î±-Synuclein to Supported Lipid Bilayers: Positioning and Role of Electrostatics. ACS Chemical Neuroscience, 2013, 4, 1339-1351.	1.7	82
75	Measurement and Modelling of Sequence-specific pKaValues of Lysine Residues in Calbindin D9k. Journal of Molecular Biology, 1996, 259, 828-839.	2.0	81
76	Quantitative analysis of intrinsic and extrinsic factors in the aggregation mechanism of Alzheimer-associated AÎ²-peptide. Scientific Reports, 2016, 6, 18728.	1.6	77
77	140 Mouse Brain Proteins Identified by Ca2+-Calmodulin Affinity Chromatography and Tandem Mass Spectrometry. Journal of Proteome Research, 2006, 5, 669-687.	1.8	76
78	Size-Dependent Effects of Nanoparticles on Enzymes in the Blood Coagulation Cascade. Nano Letters, 2014, 14, 4736-4744.	4.5	76
79	Cooperativity: over the Hill. Trends in Biochemical Sciences, 1995, 20, 495-497.	3.7	73
80	Polystyrene nanoparticles affecting blood coagulation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 981-986.	1.7	73
81	AÎ² dimers differ from monomers in structural propensity, aggregation paths and population of synaptotoxic assemblies. Biochemical Journal, 2014, 461, 413-426.	1.7	71
82	The BRICHOS Domain, Amyloid Fibril Formation, and Their Relationship. Biochemistry, 2013, 52, 7523-7531.	1.2	70
83	myo-Inositol Monophosphatase Is an Activated Target of Calbindin D28k. Journal of Biological Chemistry, 2002, 277, 41954-41959.	1.6	68
84	Mechanism of amyloid protein aggregation and the role of inhibitors. Pure and Applied Chemistry, 2019, 91, 211-229.	0.9	68
85	Calcium binding, structural stability and guanylate cyclase activation in GCAP1 variants associated with human cone dystrophy. Cellular and Molecular Life Sciences, 2010, 67, 973-984.	2.4	67
86	Calmodulin Binding to the Polybasic C-Termini of STIM Proteins Involved in Store-Operated Calcium Entry. Biochemistry, 2008, 47, 6089-6091.	1.2	66
87	Structural basis for the negative allostery between Ca²⁺â€•and Mg²⁺ â€•binding in the intracellular Ca²⁺ â€•receptor calbindin D_{9k}. Protein Science, 1997, 6, 1139-1147.	3.1	65
88	Retardation of AÎ² Fibril Formation by Phospholipid Vesicles Depends onÂMembrane Phase Behavior. Biophysical Journal, 2010, 98, 2206-2214.	0.2	65
89	Scaling behaviour and rate-determining steps in filamentous self-assembly. Chemical Science, 2017, 8, 7087-7097.	3.7	65
90	Identification of on- and off-pathway oligomers in amyloid fibril formation. Chemical Science, 2020, 11, 6236-6247.	3.7	64

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91	Isolated Hypervariable Regions Derived from Streptococcal M Proteins Specifically Bind Human C4b-Binding Protein: Implications for Antigenic Variation. Journal of Immunology, 2001, 167, 3870-3877.	0.4	62
92	Charge Dependent Retardation of Amyloid Î² Aggregation by Hydrophilic Proteins. ACS Chemical Neuroscience, 2014, 5, 266-274.	1.7	62
93	Protein surface charges and calcium binding to individual sites in calbindin D9k: stopped-flow studies. Biochemistry, 1990, 29, 4188-4193.	1.2	61
94	Modulation of electrostatic interactions to reveal a reaction network unifying the aggregation behaviour of the AÎ²42 peptide and its variants. Chemical Science, 2017, 8, 4352-4362.	3.7	60
95	Phage display and kinetic selection of antibodies that specifically inhibit amyloid self-replication. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6444-6449.	3.3	60
96	Stability of HAMLET--A kinetically trapped Â-lactalbumin oleic acid complex. Protein Science, 2005, 14, 329-340.	3.1	59
97	N-Terminal Extensions Retard AÎ²42 Fibril Formation but Allow Cross-Seeding and Coaggregation with AÎ²42. Journal of the American Chemical Society, 2015, 137, 14673-14685.	6.6	58
98	The role of fibril structure and surface hydrophobicity in secondary nucleation of amyloid fibrils. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25272-25283.	3.3	58
99	The Role of Electrostatic Interactions in Calmodulin-Peptide Complex Formation. Biophysical Journal, 2004, 87, 1929-1938.	0.2	57
100	Ganglioside lipids accelerate Î±-synuclein amyloid formation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 1062-1072.	1.1	57
101	Extreme Sequence Divergence but Conserved Ligand-Binding Specificity in Streptococcus pyogenes M Protein. PLoS Pathogens, 2006, 2, e47.	2.1	56
102	Latent analysis of unmodified biomolecules and their complexes in solution with attomole detection sensitivity. Nature Chemistry, 2015, 7, 802-809.	6.6	56
103	SAR by kinetics for drug discovery in protein misfolding diseases. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10245-10250.	3.3	54
104	Conserved S/T Residues of the Human Chaperone DNAJB6 Are Required for Effective Inhibition of AÎ²42 Amyloid Fibril Formation. Biochemistry, 2018, 57, 4891-4902.	1.2	52
105	Protein reconstitution and threeâ€dimensional domain swapping: Benefits and constraints of covalency. Protein Science, 2007, 16, 2317-2333.	3.1	51
106	Specific Binding of a Î²-Cyclodextrin Dimer to the Amyloid Î² Peptide Modulates the Peptide Aggregation Process. Biochemistry, 2012, 51, 4280-4289.	1.2	49
107	Calmodulin mutations causing catecholaminergic polymorphic ventricular tachycardia confer opposing functional and biophysical molecular changes. FEBS Journal, 2015, 282, 803-816.	2.2	49
108	Thermodynamic and kinetic design principles for amyloid-aggregation inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24251-24257.	3.3	49

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109	High Affinity Antibodies to Plasmodium falciparum Merozoite Antigens Are Associated with Protection from Malaria. PLoS ONE, 2012, 7, e32242.	1.1	49
110	Calcium binding to calbindin D9k strongly affects backbone dynamics: measurements of exchange rates of individual amide protons using proton NMR. Biochemistry, 1990, 29, 5925-5934.	1.2	48
111	Effect of amino acid substitutions and deletions on the thermal stability, the pH stability and unfolding by urea of bovine calbindin D9k. FEBS Journal, 1988, 175, 439-445.	0.2	47
112	Quantitative measurements of the cooperativity in an EFâ€•hand protein with sequential calcium binding. Protein Science, 1995, 4, 1038-1044.	3.1	47
113	Disulfide bonds in homoâ€•and heterodimers of EFâ€•hand subdomains of calbindin D_{9k}: Stability, calcium binding, and NMR studies. Protein Science, 1993, 2, 985-1000.	3.1	46
114	Binding Site for C4b-Binding Protein in Vitamin K-Dependent Protein S Fully Contained in Carboxy-Terminal Laminin-G-type Repeats. A Study Using Recombinant Factor IX-Protein S Chimeras and Surface Plasmon Resonanceâ€. Biochemistry, 1997, 36, 3745-3754.	1.2	46
115	pKa Values for Side-Chain Carboxyl Groups of a PGB1 Variant Explain Salt and pH-Dependent Stability. Biophysical Journal, 2007, 92, 257-266.	0.2	46
116	Autocatalytic amplification of Alzheimer-associated AÎ²42 peptide aggregation in human cerebrospinal fluid. Communications Biology, 2019, 2, 365.	2.0	46
117	Ca2+- and H+-Dependent Conformational Changes of Calbindin D28kâ€. Biochemistry, 2000, 39, 6864-6873.	1.2	45
118	Monomeric and fibrillar Î±-synuclein exert opposite effects on the catalytic cycle that promotes the proliferation of AÎ²42 aggregates. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8005-8010.	3.3	45
119	Dynamics of Conformational Ca²⁺-Switches in Signaling Networks Detected by a Planar Plasmonic Device. Analytical Chemistry, 2012, 84, 2982-2989.	3.2	44
120	The chaperone domain BRICHOS prevents amyloid Î²-peptide CNS toxicity in Drosophila melanogaster. DMM Disease Models and Mechanisms, 2014, 7, 659-65.	1.2	44
121	Lipid Dynamics and Phase Transition within Î±-Synuclein Amyloid Fibrils. Journal of Physical Chemistry Letters, 2019, 10, 7872-7877.	2.1	43
122	Ionization Behavior of Acidic Residues in Calbindin D9k. , 1999, 37, 106-115.		41
123	The chaperone-like activity of a small heat shock protein is lost after sulfoxidation of conserved methionines in a surface-exposed amphipathic Î±-helix. BBA - Proteins and Proteomics, 2001, 1545, 227-237.	2.1	41
124	Calcium Binding and Thermostability of Carbohydrate Binding Module CBM4-2 of Xyn10A fromRhodothermus marinusâ€. Biochemistry, 2002, 41, 5720-5729.	1.2	41
125	Integrated Protein Array Screening and High Throughput Validation of 70 Novel Neural Calmodulin-binding Proteins. Molecular and Cellular Proteomics, 2010, 9, 1118-1132.	2.5	41
126	A peptide from human semenogelin I self-assembles into a pH-responsive hydrogel. Soft Matter, 2015, 11, 414-421.	1.2	41

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127	Fragment Complementation Studies of Protein Stabilization by Hydrophobic Core Residuesâ€. Biochemistry, 2001, 40, 1257-1264.	1.2	40
128	Three-Dimensional Tracking of Small Aquatic Organisms Using Fluorescent Nanoparticles. PLoS ONE, 2013, 8, e78498.	1.1	40
129	Direct High Affinity Interaction between AÎ²42 and GSK3Î± Stimulates Hyperphosphorylation of Tau. A New Molecular Link in Alzheimerâ€™s Disease?. ACS Chemical Neuroscience, 2016, 7, 161-170.	1.7	40
130	Hydrophobic Core Substitutions in Calbindin D9k:Â Effects on Ca2+Binding and Dissociationâ€. Biochemistry, 1998, 37, 8926-8937.	1.2	39
131	Electrostatic Contributions to the Kinetics and Thermodynamics of Protein Assembly. Biophysical Journal, 2005, 88, 1991-2002.	0.2	39
132	On-chip label-free protein analysis with downstream electrodes for direct removal of electrolysis products. Lab on A Chip, 2018, 18, 162-170.	3.1	39
133	Ca2+-Binding Stoichiometry of Calbindin D28k As Assessed by Spectroscopic Analyses of Synthetic Peptide Fragments. Biochemistry, 1996, 35, 3662-3669.	1.2	38
134	Domain organization of calbindin D_{28k} as determined from the association of six synthetic EFâ€hand fragments. Protein Science, 1997, 6, 2385-2396.	3.1	38
135	Delivery success rate of engineered nanoparticles in the presence of the protein corona: a systems-level screening. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 1271-1281.	1.7	38
136	Direct measurement of lipid membrane disruption connects kinetics and toxicity of AÎ²42 aggregation. Nature Structural and Molecular Biology, 2020, 27, 886-891.	3.6	38
137	Mechanism of Secondary Nucleation at the Single Fibril Level from Direct Observations of AÎ²42 Aggregation. Journal of the American Chemical Society, 2021, 143, 16621-16629.	6.6	38
138	Ultrastructural evidence for self-replication of Alzheimer-associated AÎ²42 amyloid along the sides of fibrils. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11265-11273.	3.3	37
139	Mastoparan binding induces a structural change affecting both the N-terminal and C-terminal domains of calmodulin. FEBS Letters, 1986, 199, 28-32.	1.3	36
140	An extended hudrophobic core induces EF-hand swapping. Protein Science, 2001, 10, 927-933.	3.1	36
141	Hydrophobic Core Substitutions in Calbindin D9k:Â Effects on Stability and Structureâ€. Biochemistry, 1998, 37, 8915-8925.	1.2	35
142	Focusing of the electrostatic potential at EF-hands of calbindin D9k: Titration of acidic residues. Proteins: Structure, Function and Bioinformatics, 2001, 45, 129-135.	1.5	35
143	Identification of a high-affinity network of secretagogin-binding proteins involved in vesicle secretion. Molecular BioSystems, 2011, 7, 2196.	2.9	35
144	Effects of Polyamino Acids and Polyelectrolytes on Amyloid Î² Fibril Formation. Langmuir, 2014, 30, 8812-8818.	1.6	35

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145	The High Affinity Calcium-binding Sites in the Epidermal Growth Factor Module Region of Vitamin K-dependent Protein S. Journal of Biological Chemistry, 1997, 272, 23255-23260.	1.6	34
146	Compact oleic acid in HAMLET. FEBS Letters, 2005, 579, 6095-6100.	1.3	34
147	Role of protein surface charge in monellin sweetness. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 410-420.	1.1	34
148	Translocation of 40â€‰nm diameter nanowires through the intestinal epithelium of <i>Daphnia magna</i>. Nanotoxicology, 2016, 10, 1160-1167.	1.6	34
149	Ion-binding properties of calbindin D9k: a Monte Carlo simulation study. Biochemistry, 1991, 30, 5209-5217.	1.2	33
150	The First Epidermal Growth Factor-like Domain of the Low-Density Lipoprotein Receptor Contains a Noncanonical Calcium Binding Site. Biochemistry, 2001, 40, 2555-2563.	1.2	33
151	Calcium Binding to Proteins Studied via Competition with Chromophoric Chelators. , 2002, 173, 015-024.		33
152	Charge Regulation during Amyloid Formation of Î±-Synuclein. Journal of the American Chemical Society, 2021, 143, 7777-7791.	6.6	33
153	SHBG region of the anticoagulant cofactor protein S: Secondary structure prediction, circular dichroism spectroscopy, and analysis of naturally occurring mutations. , 1997, 29, 478-491.		32
154	Both G-type domains of proteinâ€ƒS are required for the high-affinity interaction with C4b-binding protein. FEBS Journal, 1999, 266, 935-942.	0.2	32
155	Coupling of ligand binding and dimerization of helix-loop-helix peptides: Spectroscopic and sedimentation analyses of calbindin D9k EF-hands. Proteins: Structure, Function and Bioinformatics, 2002, 47, 323-333.	1.5	31
156	Electrostatic Contributions to Residue-Specific Protonation Equilibria and Proton Binding Capacitance for a Small Protein. Biochemistry, 2006, 45, 13993-14002.	1.2	31
157	Site-Specific Protonation Kinetics of Acidic Side Chains in Proteins Determined by pH-Dependent Carboxyl ¹³C NMR Relaxation. Journal of the American Chemical Society, 2015, 137, 3093-3101.	6.6	31
158	Domain Identification of Hormone-sensitive Lipase by Circular Dichroism and Fluorescence Spectroscopy, Limited Proteolysis, and Mass Spectrometry. Journal of Biological Chemistry, 1999, 274, 15382-15388.	1.6	30
159	Hamlet â€” A Complex from Human Milk that Induces Apoptosis in Tumor Cells but Spares Healthy Cells. Advances in Experimental Medicine and Biology, 2002, 503, 125-132.	0.8	30
160	Protein Reconstitution and 3D Domain Swapping. Current Protein and Peptide Science, 2002, 3, 629-642.	0.7	30
161	A Region of Vitamin K-dependent Protein S That Binds to C4b Binding Protein (C4BP) Identified Using Bacteriophage Peptide Display Libraries. Journal of Biological Chemistry, 1997, 272, 14658-14665.	1.6	29
162	Monte Carlo simulations of protein amyloid formation reveal origin of sigmoidal aggregation kinetics. Molecular BioSystems, 2011, 7, 2296.	2.9	29

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163	A Microfluidic Platform for Real-Time Detection and Quantification of Protein-Ligand Interactions. Biophysical Journal, 2016, 110, 1957-1966.	0.2	29
164	The Properties of Î±-Synuclein Secondary Nuclei Are Dominated by the Solution Conditions Rather than the Seed Fibril Strain. ACS Chemical Neuroscience, 2020, 11, 909-918.	1.7	29
165	An EF-hand phage display study of calmodulin subdomain pairing 1 1Edited by J. A. Wells. Journal of Molecular Biology, 2000, 296, 473-486.	2.0	28
166	Intra- versus Intermolecular Interactions in Monellin: Contribution of Surface Charges to Protein Assembly. Journal of Molecular Biology, 2006, 358, 1244-1255.	2.0	28
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