

Louise C Serpell

List of Publications by Year in descending order

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155
papers

18,880
citations

14655

66
h-index

11939

134
g-index

175
all docs

175
docs citations

175
times ranked

17154
citing authors

#	ARTICLE	IF	CITATIONS
1	Common core structure of amyloid fibrils by synchrotron X-ray diffraction 1 Edited by F. E. Cohen. Journal of Molecular Biology, 1997, 273, 729-739.	4.2	1,590
2	Nucleated Conformational Conversion and the Replication of Conformational Information by a Prion Determinant. Science, 2000, 289, 1317-1321.	12.6	912
3	Alzheimer's amyloid fibrils: structure and assembly. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1502, 16-30.	3.8	828
4	Distinct Tau Prion Strains Propagate in Cells and Mice and Define Different Tauopathies. Neuron, 2014, 82, 1271-1288.	8.1	822
5	Fiber diffraction of synthetic alpha -synuclein filaments shows amyloid-like cross-beta conformation. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4897-4902.	7.1	722
6	Molecular basis for amyloid fibril formation and stability. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 315-320.	7.1	612
7	Exploring the sequence determinants of amyloid structure using position-specific scoring matrices. Nature Methods, 2010, 7, 237-242.	19.0	566
8	Rational design and application of responsive α -helical peptide hydrogels. Nature Materials, 2009, 8, 596-600.	27.5	441
9	Structures for amyloid fibrils. FEBS Journal, 2005, 272, 5950-5961.	4.7	395
10	Amyloid fibrils. Prion, 2008, 2, 112-117.	1.8	392
11	Synchrotron X-ray studies suggest that the core of the transthyretin amyloid fibril is a continuous β -sheet helix. Structure, 1996, 4, 989-998.	3.3	387
12	Half a century of amyloids: past, present and future. Chemical Society Reviews, 2020, 49, 5473-5509.	38.1	345
13	The helix-hairpin-helix DNA-binding motif: a structural basis for non- sequence-specific recognition of DNA. Nucleic Acids Research, 1996, 24, 2488-2497.	14.5	334
14	The protofilament substructure of amyloid fibrils11 Edited by F. E. Cohen. Journal of Molecular Biology, 2000, 300, 1033-1039.	4.2	332
15	Membrane and surface interactions of Alzheimer's A β peptide – insights into the mechanism of cytotoxicity. FEBS Journal, 2011, 278, 3905-3917.	4.7	314
16	Proteasomal degradation of tau protein. Journal of Neurochemistry, 2002, 83, 176-185.	3.9	302
17	Protofilaments, Filaments, Ribbons, and Fibrils from Peptidomimetic Self-Assembly: Implications for Amyloid Fibril Formation and Materials Science. Journal of the American Chemical Society, 2000, 122, 5262-5277.	13.7	286
18	Tau filaments from human brain and from in vitro assembly of recombinant protein show cross- β structure. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9034-9038.	7.1	281

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19	The Common Architecture of Cross- β Amyloid. <i>Journal of Molecular Biology</i> , 2010, 395, 717-727.	4.2	261
20	Mutation E46K increases phospholipid binding and assembly into filaments of human β -synuclein. <i>FEBS Letters</i> , 2004, 576, 363-368.	2.8	241
21	Engineering nanoscale order into a designed protein fiber. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10853-10858.	7.1	234
22	Chemically programmed self-sorting of gelator networks. <i>Nature Communications</i> , 2013, 4, 1480.	12.8	230
23	Identification of a novel human islet amyloid polypeptide β -sheet domain and factors influencing fibrillogenesis. <i>Journal of Molecular Biology</i> , 2001, 308, 515-525.	4.2	226
24	Self-Assembly of Phenylalanine Oligopeptides: Insights from Experiments and Simulations. <i>Biophysical Journal</i> , 2009, 96, 5020-5029.	0.5	212
25	Self-Assembly Mechanism for a Naphthalene- β -Dipeptide Leading to Hydrogelation. <i>Langmuir</i> , 2010, 26, 5232-5242.	3.5	208
26	Hydrophobic, Aromatic, and Electrostatic Interactions Play a Central Role in Amyloid Fibril Formation and Stability. <i>Biochemistry</i> , 2011, 50, 2061-2071.	2.5	201
27	Structural Basis for Increased Toxicity of Pathological $A\beta_{42}:A\beta_{40}$ Ratios in Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2012, 287, 5650-5660.	3.4	201
28	Iron Promotes the Toxicity of Amyloid β Peptide by Impeding Its Ordered Aggregation. <i>Journal of Biological Chemistry</i> , 2011, 286, 4248-4256.	3.4	182
29	Direct visualisation of the β -sheet structure of synthetic Alzheimer's amyloid 11 Edited by F. E. Cohen. <i>Journal of Molecular Biology</i> , 2000, 299, 225-231.	4.2	178
30	Structural Insights into the Polymorphism of Amyloid-Like Fibrils Formed by Region 20-29 of Amylin Revealed by Solid-State NMR and X-ray Fiber Diffraction. <i>Journal of the American Chemical Society</i> , 2008, 130, 14990-15001.	13.7	177
31	Effect of Molecular Structure on the Properties of Naphthalene- β -Dipeptide Hydrogelators. <i>Langmuir</i> , 2010, 26, 13466-13471.	3.5	169
32	Molecular Structure of a Fibrillar Alzheimer's $A\beta$ Fragment. <i>Biochemistry</i> , 2000, 39, 13269-13275.	2.5	161
33	Crystal structure of human 53BP1 BRCT domains bound to p53 tumour suppressor. <i>EMBO Journal</i> , 2002, 21, 3863-3872.	7.8	161
34	Spider Silk and Amyloid Fibrils: A Structural Comparison. <i>Macromolecular Bioscience</i> , 2007, 7, 183-188.	4.1	161
35	A central role for dityrosine crosslinking of Amyloid- β in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2013, 1, 83.	5.2	150
36	Examination of the Structure of the Transthyretin Amyloid Fibril by Image Reconstruction from Electron Micrographs. <i>Journal of Molecular Biology</i> , 1995, 254, 113-118.	4.2	149

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37	A Systematic Investigation into the Effect of Protein Destabilisation on Beta 2-Microglobulin Amyloid Formation. <i>Journal of Molecular Biology</i> , 2003, 330, 943-954.	4.2	140
38	The molecular basis of amyloidosis. <i>Cellular and Molecular Life Sciences</i> , 1997, 53, 871.	5.4	139
39	Salt-induced hydrogelation of functionalised-dipeptides at high pH. <i>Chemical Communications</i> , 2011, 47, 12071.	4.1	137
40	Modular Design of Self-Assembling Peptide-Based Nanotubes. <i>Journal of the American Chemical Society</i> , 2015, 137, 10554-10562.	13.7	137
41	Structural Characterisation of Islet Amyloid Polypeptide Fibrils. <i>Journal of Molecular Biology</i> , 2004, 335, 1279-1288.	4.2	134
42	Dementia of the eye: the role of amyloid beta in retinal degeneration. <i>Eye</i> , 2015, 29, 1013-1026.	2.1	133
43	The delicate balance between gelation and crystallisation: structural and computational investigations. <i>Soft Matter</i> , 2010, 6, 4144.	2.7	121
44	Structure and Texture of Fibrous Crystals Formed by Alzheimer's A β (11-25) Peptide Fragment. <i>Structure</i> , 2003, 11, 915-926.	3.3	116
45	On Crystal versus Fiber Formation in Dipeptide Hydrogelator Systems. <i>Langmuir</i> , 2012, 28, 9797-9806.	3.5	114
46	Nuclear Tau and Its Potential Role in Alzheimer's Disease. <i>Biomolecules</i> , 2016, 6, 9.	4.0	114
47	Rational Design of Helical Nanotubes from Self-Assembly of Coiled-Coil Lock Washers. <i>Journal of the American Chemical Society</i> , 2013, 135, 15565-15578.	13.7	112
48	[34] X-Ray fiber diffraction of amyloid fibrils. <i>Methods in Enzymology</i> , 1999, 309, 526-536.	1.0	107
49	Kinetically Controlled Coassembly of Multichromophoric Peptide Hydrogelators and the Impacts on Energy Transport. <i>Journal of the American Chemical Society</i> , 2017, 139, 8685-8692.	13.7	104
50	A simple algorithm locates β -strands in the amyloid fibril core of β -synuclein, A β , and tau using the amino acid sequence alone. <i>Protein Science</i> , 2007, 16, 906-918.	7.6	101
51	CLEARER: a new tool for the analysis of X-ray fibre diffraction patterns and diffraction simulation from atomic structural models. <i>Journal of Applied Crystallography</i> , 2007, 40, 966-972.	4.5	94
52	Characterizing the Assembly of the Sup35 Yeast Prion Fragment, GNNQQNY: Structural Changes Accompany a Fiber-to-Crystal Switch. <i>Biophysical Journal</i> , 2010, 98, 330-338.	0.5	94
53	A β 42 oligomers, but not fibrils, simultaneously bind to and cause damage to ganglioside-containing lipid membranes. <i>Biochemical Journal</i> , 2011, 439, 67-77.	3.7	93
54	The Effect of Alzheimer's A β Aggregation State on the Permeation of Biomimetic Lipid Vesicles. <i>Langmuir</i> , 2010, 26, 17260-17268.	3.5	92

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55	The effect of self-sorting and co-assembly on the mechanical properties of low molecular weight hydrogels. <i>Nanoscale</i> , 2014, 6, 13719-13725.	5.6	92
56	Hydrogels formed from Fmoc amino acids. <i>CrystEngComm</i> , 2015, 17, 8047-8057.	2.6	92
57	Proteolytic cleavage of Ser52Pro variant transthyretin triggers its amyloid fibrillogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1539-1544.	7.1	91
58	The amyloid architecture provides a scaffold for enzyme-like catalysts. <i>Nanoscale</i> , 2017, 9, 10773-10783.	5.6	89
59	X-Ray Fibre Diffraction Studies of Amyloid Fibrils. <i>Methods in Molecular Biology</i> , 2012, 849, 121-135.	0.9	85
60	Presenilin structure, function and role in Alzheimer disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2000, 1502, 1-15.	3.8	83
61	From natural to designer self-assembling biopolymers, the structural characterisation of fibrous proteins & peptides using fibre diffraction. <i>Chemical Society Reviews</i> , 2010, 39, 3445.	38.1	79
62	The involvement of tau in nucleolar transcription and the stress response. <i>Acta Neuropathologica Communications</i> , 2018, 6, 70.	5.2	74
63	Structure and morphology of the Alzheimer's amyloid fibril. <i>Microscopy Research and Technique</i> , 2005, 67, 210-217.	2.2	73
64	Protein Fiber Linear Dichroism for Structure Determination and Kinetics in a Low-Volume, Low-Wavelength Couette Flow Cell. <i>Biophysical Journal</i> , 2004, 86, 404-410.	0.5	72
65	Expression and Characterization of Full-length Human Huntingtin, an Elongated HEAT Repeat Protein*. <i>Journal of Biological Chemistry</i> , 2006, 281, 15916-15922.	3.4	71
66	The involvement of dityrosine crosslinking in α -synuclein assembly and deposition in Lewy Bodies in Parkinson's disease. <i>Scientific Reports</i> , 2016, 6, 39171.	3.3	71
67	Alzheimer's Disease-like Paired Helical Filament Assembly from Truncated Tau Protein Is Independent of Disulfide Crosslinking. <i>Journal of Molecular Biology</i> , 2017, 429, 3650-3665.	4.2	70
68	Sequence Determinants for Amyloid Fibrillogenesis of Human α -Synuclein. <i>Journal of Molecular Biology</i> , 2007, 374, 454-464.	4.2	66
69	Low molecular weight gelator-dextran composites. <i>Chemical Communications</i> , 2010, 46, 6738.	4.1	66
70	Controlling the network type in self-assembled dipeptide hydrogels. <i>Soft Matter</i> , 2017, 13, 1914-1919.	2.7	65
71	De novo design of a biologically active amyloid. <i>Science</i> , 2016, 354, .	12.6	63
72	A critical role for the self-assembly of Amyloid- β 1-42 in neurodegeneration. <i>Scientific Reports</i> , 2016, 6, 30182.	3.3	63

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73	WALTZ-DB: a benchmark database of amyloidogenic hexapeptides. <i>Bioinformatics</i> , 2015, 31, 1698-1700.	4.1	61
74	Visualization of co-localization in A β 242-administered neuroblastoma cells reveals lysosome damage and autophagosome accumulation related to cell death. <i>Biochemical Journal</i> , 2012, 441, 579-590.	3.7	59
75	From genetics to pathology: tau and "synuclein assemblies in neurodegenerative diseases. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 213-227.	4.0	58
76	Characterization of Amyloid Cores in Prion Domains. <i>Scientific Reports</i> , 2016, 6, 34274.	3.3	56
77	Tau (297-391) forms filaments that structurally mimic the core of paired helical filaments in Alzheimer's disease brain. <i>FEBS Letters</i> , 2020, 594, 944-950.	2.8	56
78	Glucagon Fibril Polymorphism Reflects Differences in Protofilament Backbone Structure. <i>Journal of Molecular Biology</i> , 2010, 397, 932-946.	4.2	55
79	The relationship between amyloid structure and cytotoxicity. <i>Prion</i> , 2014, 8, 192-196.	1.8	53
80	Examining the structure of the mature amyloid fibril. <i>Biochemical Society Transactions</i> , 2002, 30, 521-525.	3.4	52
81	The architecture of amyloid-like peptide fibrils revealed by X-ray scattering, diffraction and electron microscopy. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 882-895.	2.5	50
82	The elusive tau molecular structures: can we translate the recent breakthroughs into new targets for intervention?. <i>Acta Neuropathologica Communications</i> , 2019, 7, 31.	5.2	49
83	The Structure of Cross β Tapes and Tubes Formed by an Octapeptide, β 1. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2279-2283.	13.8	46
84	Structural Analysis of Proteinaceous Components in Byssal Threads of the Mussel <i>Mytilus galloprovincialis</i> . <i>Macromolecular Bioscience</i> , 2009, 9, 162-168.	4.1	44
85	Diffraction to study protein and peptide assemblies. <i>Current Opinion in Chemical Biology</i> , 2006, 10, 417-422.	6.1	43
86	Exploring the sequence-structure relationship for amyloid peptides. <i>Biochemical Journal</i> , 2013, 450, 275-283.	3.7	43
87	X-Ray Diffraction Studies of Amyloid Structure. , 2005, 299, 067-080.		42
88	Amyloidogenicity and toxicity of the reverse and scrambled variants of amyloid β 1-42. <i>FEBS Letters</i> , 2017, 591, 822-830.	2.8	42
89	Revealing molecular-level surface structure of amyloid fibrils in liquid by means of frequency modulation atomic force microscopy. <i>Nanotechnology</i> , 2008, 19, 384010.	2.6	41
90	Stabilization of native amyloid β -protein oligomers by Copper and Hydrogen peroxide Induced Cross-linking of Unmodified Proteins (CHICUP). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 249-259.	2.3	40

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91	Using chirality to influence supramolecular gelation. <i>Chemical Science</i> , 2019, 10, 7801-7806.	7.4	40
92	Structural integrity of β^2 -sheet assembly. <i>Biochemical Society Transactions</i> , 2009, 37, 671-676.	3.4	39
93	Formation of functional, non-amyloidogenic fibres by recombinant <i>Bacillus subtilis</i> TasA. <i>Molecular Microbiology</i> , 2018, 110, 897-913.	2.5	37
94	Flow Linear Dichroism of Some Prototypical Proteins. <i>Journal of the American Chemical Society</i> , 2009, 131, 13305-13314.	13.7	36
95	Misfolded amyloid- β 42 impairs the endosomal-lysosomal pathway. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 5031-5043.	5.4	36
96	Structural analyses of fibrinogen amyloid fibrils. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2007, 14, 199-203.	3.0	35
97	Structural determinants in a library of low molecular weight gelators. <i>Soft Matter</i> , 2015, 11, 1174-1181.	2.7	35
98	Probing supramolecular protein assembly using covalently attached fluorescent molecular rotors. <i>Biomaterials</i> , 2017, 139, 195-201.	11.4	35
99	Atomic Models of De Novo Designed β^2 -Met Amyloid-Like Fibrils. <i>Journal of Molecular Biology</i> , 2008, 376, 898-912.	4.2	34
100	Nucleation of β^1 -Antichymotrypsin Polymerization. <i>Biochemistry</i> , 2003, 42, 2355-2363.	2.5	33
101	Tau Filament Self-Assembly and Structure: Tau as a Therapeutic Target. <i>Frontiers in Neurology</i> , 2020, 11, 590754.	2.4	32
102	Dehydration stability of amyloid fibrils studied by AFM. <i>European Biophysics Journal</i> , 2009, 38, 1135-1140.	2.2	30
103	The Involvement of β^2 42 and Tau in Nucleolar and Protein Synthesis Machinery Dysfunction. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 220.	3.7	29
104	The Molecular Basis for Apolipoprotein E4 as the Major Risk Factor for Late-Onset Alzheimer's Disease. <i>Journal of Molecular Biology</i> , 2019, 431, 2248-2265.	4.2	29
105	Identifying the Coiled-Coil Triple Helix Structure of β^2 -Peptide Nanofibers at Atomic Resolution. <i>ACS Nano</i> , 2018, 12, 9101-9109.	14.6	28
106	The "edge strand" hypothesis: Prediction and test of a mutational "hot-spot" on the transthyretin molecule associated with FAP amyloidogenesis. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1996, 3, 75-85.	3.0	27
107	Effects of β^2 exposure on long-term associative memory and its neuronal mechanisms in a defined neuronal network. <i>Scientific Reports</i> , 2015, 5, 10614.	3.3	27
108	Internalisation and toxicity of amyloid- β 1-42 are influenced by its conformation and assembly state rather than size. <i>FEBS Letters</i> , 2020, 594, 3490-3503.	2.8	27

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109	Two distinct β^2 -sheet structures in Italian-mutant amyloid-beta fibrils: a potential link to different clinical phenotypes. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4899-4913.	5.4	26
110	Cysteine-Independent Inhibition of Alzheimer's Disease-like Paired Helical Filament Assembly by Leuco-Methylthioninium (LMT). <i>Journal of Molecular Biology</i> , 2018, 430, 4119-4131.	4.2	26
111	Quantification of amyloid fibril polymorphism by nano-morphometry reveals the individuality of filament assembly. <i>Communications Chemistry</i> , 2020, 3, .	4.5	25
112	Cross- β^2 Spine Architecture of Fibrils Formed by the Amyloidogenic Segment NFGSVQFV of Medin from Solid-State NMR and X-ray Fiber Diffraction Measurements. <i>Biochemistry</i> , 2009, 48, 3089-3099.	2.5	24
113	Synuclein Proteins of the Pufferfish <i>Fugu rubripes</i> : Sequences and Functional Characterization. <i>Biochemistry</i> , 2006, 45, 2599-2607.	2.5	21
114	Silica Nanowires Templated by Amyloid-like Fibrils. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13327-13331.	13.8	20
115	Computational De Novo Design of a Self-Assembling Peptide with Predefined Structure. <i>Journal of Molecular Biology</i> , 2015, 427, 550-562.	4.2	20
116	The diversity and utility of amyloid fibrils formed by short amyloidogenic peptides. <i>Interface Focus</i> , 2017, 7, 20170027.	3.0	20
117	MIRAGGE – Minimum Information Required for Reproducible AGGregation Experiments. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 582488.	2.9	19
118	Insights into the architecture of the Ure2p yeast protein assemblies from helical twisted fibrils. <i>Protein Science</i> , 2006, 15, 2481-2487.	7.6	18
119	The CDR1 and Other Regions of Immunoglobulin Light Chains are Hot Spots for Amyloid Aggregation. <i>Scientific Reports</i> , 2019, 9, 3123.	3.3	18
120	Metal- and UV- Catalyzed Oxidation Results in Trapped Amyloid- β^2 Intermediates Revealing that Self-Assembly Is Required for $A\beta^2$ -Induced Cytotoxicity. <i>IScience</i> , 2020, 23, 101537.	4.1	18
121	Three-dimensional reconstruction of individual helical nano-filament structures from atomic force microscopy topographs. <i>Biomolecular Concepts</i> , 2020, 11, 102-115.	2.2	18
122	Structural Identification of Individual Helical Amyloid Filaments by Integration of Cryo-Electron Microscopy-Derived Maps in Comparative Morphometric Atomic Force Microscopy Image Analysis. <i>Journal of Molecular Biology</i> , 2022, 434, 167466.	4.2	18
123	Inflammation Protein SAA2.2 Spontaneously Forms Marginally Stable Amyloid Fibrils at Physiological Temperature. <i>Biochemistry</i> , 2011, 50, 9184-9191.	2.5	17
124	Fibres, crystals and polymorphism: the structural promiscuity of amyloidogenic peptides. <i>Soft Matter</i> , 2010, 6, 2110.	2.7	16
125	Human β^2 -Synuclein Rendered Fibrillogenic by Designed Mutations. <i>Journal of Biological Chemistry</i> , 2010, 285, 38555-38567.	3.4	15
126	Paired Helical Filament-Forming Region of Tau (297-391) Influences Endogenous Tau Protein and Accumulates in Acidic Compartments in Human Neuronal Cells. <i>Journal of Molecular Biology</i> , 2020, 432, 4891-4907.	4.2	15

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127	AlphaFold: A Special Issue and A Special Time for Protein Science. Journal of Molecular Biology, 2021, 433, 167231.	4.2	15
128	Amyloid structure. Essays in Biochemistry, 2014, 56, 1-10.	4.7	15
129	Mechanically functional amyloid fibrils in the adhesive of a marine invertebrate as revealed by Raman spectroscopy and atomic force microscopy. Archives of Histology and Cytology, 2009, 72, 199-207.	0.2	14
130	Polyglutamine Aggregate Structure In Vitro and In Vivo; New Avenues for Coherent Anti-Stokes Raman Scattering Microscopy. PLoS ONE, 2012, 7, e40536.	2.5	14
131	Methods for Structural Analysis of Amyloid Fibrils in Misfolding Diseases. Methods in Molecular Biology, 2019, 1873, 109-122.	0.9	14
132	Transition of Nano-Architectures Through Self-Assembly of Lipidated Î²3-Tripeptide Foldamers. Frontiers in Chemistry, 2020, 8, 217.	3.6	13
133	Structure-dependent effects of amyloid-Î² on long-term memory in <i>Lymnaea stagnalis</i> . FEBS Letters, 2017, 591, 1236-1246.	2.8	12
134	A Molecular Model of the Amyloid Fibril. Novartis Foundation Symposium, 1996, 199, 6-21.	1.1	12
135	Europium as an inhibitor of Amyloid-Î²(1-42) induced membrane permeation. FEBS Letters, 2015, 589, 3228-3236.	2.8	9
136	Oxidative Stress Conditions Result in Trapping of PHF-Core Tau (297-391) Intermediates. Cells, 2021, 10, 703.	4.1	9
137	An evaluation of the self-assembly enhancing properties of cell-derived hexameric amyloid-Î². Scientific Reports, 2021, 11, 11570.	3.3	9
138	Nucleation-dependent Aggregation Kinetics of Yeast Sup35 Fragment GNNQQNY. Journal of Molecular Biology, 2021, 433, 166732.	4.2	8
139	The Disease Associated Tau35 Fragment has an Increased Propensity to Aggregate Compared to Full-Length Tau. Frontiers in Molecular Biosciences, 2021, 8, 779240.	3.5	8
140	A multi-hit hypothesis for an APOE4-dependent pathophysiological state. European Journal of Neuroscience, 2022, 56, 5476-5515.	2.6	8
141	A Biophysical Approach to the Identification of Novel ApoE Chemical Probes. Biomolecules, 2019, 9, 48.	4.0	7
142	Silica Nanowires Templated by Amyloid-like Fibrils. Angewandte Chemie, 2015, 127, 13525-13529.	2.0	6
143	Polymerization of human angiotensinogen: insights into its structural mechanism and functional significance. Biochemical Journal, 2006, 400, 169-178.	3.7	5
144	Elevated amyloid beta disrupts the nanoscale organization and function of synaptic vesicle pools in hippocampal neurons. Cerebral Cortex, 2023, 33, 1263-1276.	2.9	5

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145	A cluster of familial Creutzfeldt-Jakob disease mutations recapitulate conserved residues in Doppel: a case of molecular mimicry?. FEBS Letters, 2002, 532, 21-26.	2.8	4
146	A new species of aplanosporic Haptoglossa, H.Âbeakesii, with vesiculate spore release. Botany, 2010, 88, 93-101.	1.0	4
147	Chemically and thermally stable silica nanowires with a Î²-sheet peptide core for bionanotechnology. Journal of Nanobiotechnology, 2016, 14, 79.	9.1	4
148	Monitoring changes of paramagnetically-shifted 31P signals in phospholipid vesicles. Chemical Physics Letters, 2016, 648, 124-129.	2.6	4
149	The involvement of dityrosine crosslinks in lipofuscin accumulation in Alzheimer's disease. Journal of Physics: Conference Series, 2019, 1294, 062107.	0.4	3
150	Salpyran: A Cu(II) Selective Chelator with Therapeutic Potential. Inorganic Chemistry, 2021, 60, 15310-15320.	4.0	3
151	Cathepsin K as a novel amyloid fibril protein in humans. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2017, 24, 68-69.	3.0	2
152	Zinc-dysprosium functionalized amyloid fibrils. Dalton Transactions, 2019, 48, 15371-15375.	3.3	1
153	HCN channelopathy couples disease-associated tau to synaptic dysfunction. Alzheimer's and Dementia, 2021, 17, e058346.	0.8	1
154	Three-dimensional structure of amyloid fibrils. Biochemical Society Transactions, 2002, 30, A54-A54.	3.4	0
155	Self-assembly and cellular effect of tau35, a disease-associated tau fragment.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e052072.	0.8	0