

Jan Johansson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176 papers	8,154 citations	51 h-index	85 g-index
185 ext. papers	9,227 ext. citations	6.3 avg, IF	5.92 L-index

#	Paper	IF	Citations
176	A Novel Approach for the Production of Aggregation-Prone Proteins Using the Spidroin-Derived NT* Tag.. <i>Methods in Molecular Biology</i> , 2022 , 2406, 113-130	1.4	1
175	A "spindle and thread" mechanism unblocks p53 translation by modulating N-terminal disorder.. <i>Structure</i> , 2022 ,	5.2	1
174	The dimerization mechanism of the N-terminal domain of spider silk proteins is conserved despite extensive sequence divergence.. <i>Journal of Biological Chemistry</i> , 2022 , 101913	5.4	1
173	Artificial spider silk supports and guides neurite extension in vitro. <i>FASEB Journal</i> , 2021 , 35, e21896	0.9	1
172	AA amyloid in human food chain is a possible biohazard. <i>Scientific Reports</i> , 2021 , 11, 21069	4.9	2
171	Tyrosine residues mediate supercontraction in biomimetic spider silk. <i>Communications Materials</i> , 2021 , 2,	6	6
170	Ablation of p75 signaling strengthens gamma-theta rhythm interaction and counteracts Aβ-induced degradation of neuronal dynamics in mouse hippocampus in vitro. <i>Translational Psychiatry</i> , 2021 , 11, 212	8.6	3
169	The synthesis and characterization of Bri2 BRICHOS coated magnetic particles and their application to protein fishing: Identification of novel binding proteins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 198, 113996	3.5	0
168	In Vitro Study of Human Immune Responses to Hyaluronic Acid Hydrogels, Recombinant Spidroins and Human Neural Progenitor Cells of Relevance to Spinal Cord Injury Repair. <i>Cells</i> , 2021 , 10,	7.9	2
167	Citrullination Alters the Antibacterial and Anti-Inflammatory Functions of the Host Defense Peptide Canine Cathelicidin K9CATH In Vitro. <i>Journal of Immunology</i> , 2021 , 207, 974-984	5.3	
166	Expression of the human molecular chaperone domain Bri2 BRICHOS on a gram per liter scale with an E. coli fed-batch culture. <i>Microbial Cell Factories</i> , 2021 , 20, 150	6.4	2
165	Impact of synthetic surfactant CHF5633 with SP-B and SP-C analogues on lung function and inflammation in rabbit model of acute respiratory distress syndrome. <i>Physiological Reports</i> , 2021 , 9, e14700	2.6	6
164	Native-like Flow Properties of an Artificial Spider Silk Dope. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 462-471	5.5	4
163	Smallest Secondary Nucleation Competent Aβ Aggregates Probed by an ATP-Independent Molecular Chaperone Domain. <i>Biochemistry</i> , 2021 , 60, 678-688	3.2	3
162	High-yield production of a super-soluble miniature spidroin for biomimetic high-performance materials. <i>Materials Today</i> , 2021 ,	21.8	5
161	Bri2 BRICHOS chaperone rescues impaired fast-spiking interneuron behavior and neuronal network dynamics in an AD mouse model in vitro. <i>Neurobiology of Disease</i> , 2021 , 159, 105514	7.5	0
160	Ion mobility-mass spectrometry shows stepwise protein unfolding under alkaline conditions. <i>Chemical Communications</i> , 2021 , 57, 1450-1453	5.8	1

159	Doing What Spiders Cannot-A Road Map to Supreme Artificial Silk Fibers. <i>ACS Nano</i> , 2021 , 15, 1952-1959	16.7	16
158	Recombinant BRICHOS chaperone domains delivered to mouse brain parenchyma by focused ultrasound and microbubbles are internalized by hippocampal and cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2020 , 105, 103498	4.8	7
157	Structure-Function Relationship of Artificial Spider Silk Fibers Produced by Straining Flow Spinning. <i>Biomacromolecules</i> , 2020 , 21, 2116-2124	6.9	16
156	Tensile properties of synthetic pyriform spider silk fibers depend on the number of repetitive units as well as the presence of N- and C-terminal domains. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 765-772	7.9	11
155	Recombinant Bri3 BRICHOS domain is a molecular chaperone with effect against amyloid formation and non-fibrillar protein aggregation. <i>Scientific Reports</i> , 2020 , 10, 9817	4.9	2
154	High-yield Production of Amyloid- β Peptide Enabled by a Customized Spider Silk Domain. <i>Scientific Reports</i> , 2020 , 10, 235	4.9	16
153	Augmentation of Bri2 molecular chaperone activity against amyloid- β reduces neurotoxicity in mouse hippocampus in vitro. <i>Communications Biology</i> , 2020 , 3, 32	6.7	11
152	High intracellular stability of the spidroin N-terminal domain in spite of abundant amyloidogenic segments revealed by in-cell hydrogen/deuterium exchange mass spectrometry. <i>FEBS Journal</i> , 2020 , 287, 2823-2833	5.7	4
151	Modulation of Kv3.1/Kv3.2 promotes gamma oscillations by rescuing A β -induced desynchronization of fast-spiking interneuron firing in an AD mouse model in vitro. <i>Journal of Physiology</i> , 2020 , 598, 3711-3725	3.9	7
150	Functionalization of amyloid fibrils via the Bri2 BRICHOS domain. <i>Scientific Reports</i> , 2020 , 10, 21765	4.9	5
149	Blood-brain and blood-cerebrospinal fluid passage of BRICHOS domains from two molecular chaperones in mice. <i>Journal of Biological Chemistry</i> , 2019 , 294, 2606-2615	5.4	6
148	BRICHOS: a chaperone with different activities depending on quaternary structure and cellular location?. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2019 , 26, 152-153	2.7	4
147	Synthetic surfactant with a recombinant surfactant protein C analogue improves lung function and attenuates inflammation in a model of acute respiratory distress syndrome in adult rabbits. <i>Respiratory Research</i> , 2019 , 20, 245	7.3	10
146	Efficient delipidation of a recombinant lung surfactant lipopeptide analogue by liquid-gel chromatography. <i>PLoS ONE</i> , 2019 , 14, e0226072	3.7	0
145	Disulphide Bridges in Surfactant Protein B Analogues Affect Their Activity in Synthetic Surfactant Preparations. <i>Neonatology</i> , 2019 , 115, 134-141	4	0
144	Synthetic surfactants with SP-B and SP-C analogues to enable worldwide treatment of neonatal respiratory distress syndrome and other lung diseases. <i>Journal of Internal Medicine</i> , 2019 , 285, 165-186	10.8	27
143	BRICHOS domain of Bri2 inhibits islet amyloid polypeptide (IAPP) fibril formation and toxicity in human beta cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2752-E2761	11.5	28
142	Production and Properties of Triple Chimeric Spidroins. <i>Biomacromolecules</i> , 2018 , 19, 2825-2833	6.9	14

141	A spidroin-derived solubility tag enables controlled aggregation of a designed amyloid protein. <i>FEBS Journal</i> , 2018 , 285, 1873-1885	5.7	22
140	Mass Spectrometry Reveals the Direct Action of a Chemical Chaperone. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4082-4086	6.4	16
139	The Bri2 and Bri3 BRICHOS Domains Interact Differently with A β and Alzheimer Amyloid Plaques. <i>Journal of Alzheimer's Disease Reports</i> , 2018 , 2, 27-39	3.3	11
138	Novel expression of a functional trimeric fragment of human SP-A with efficacy in neutralisation of RSV. <i>Immunobiology</i> , 2017 , 222, 111-118	3.4	16
137	Biomimetic spinning of artificial spider silk from a chimeric minispidroin. <i>Nature Chemical Biology</i> , 2017 , 13, 262-264	11.7	143
136	Mass spectrometry captures structural intermediates in protein fiber self-assembly. <i>Chemical Communications</i> , 2017 , 53, 3319-3322	5.8	12
135	BRICHOS - an anti-amyloid chaperone: evaluation of blood-brain barrier permeability of Bri2 BRICHOS. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2017 , 24, 7-8	2.7	0
134	Efficient protein production inspired by how spiders make silk. <i>Nature Communications</i> , 2017 , 8, 15504	17.4	48
133	Degree of Biomimicry of Artificial Spider Silk Spinning Assessed by NMR Spectroscopy. <i>Angewandte Chemie</i> , 2017 , 129, 12745-12749	3.6	3
132	Degree of Biomimicry of Artificial Spider Silk Spinning Assessed by NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12571-12575	16.4	15
131	Systemic AA amyloidosis in the red fox (<i>Vulpes vulpes</i>). <i>Protein Science</i> , 2017 , 26, 2312-2318	6.3	2
130	Bri2 BRICHOS client specificity and chaperone activity are governed by assembly state. <i>Nature Communications</i> , 2017 , 8, 2081	17.4	35
129	Transthyretin and BRICHOS: The Paradox of Amyloidogenic Proteins with Anti-Amyloidogenic Activity for A β in the Central Nervous System. <i>Frontiers in Neuroscience</i> , 2017 , 11, 119	5.1	18
128	TGF- β -induced EMT promotes targeted migration of breast cancer cells through the lymphatic system by the activation of CCR7/CCL21-mediated chemotaxis. <i>Oncogene</i> , 2016 , 35, 748-60	9.2	194
127	Dementia-related Bri2 BRICHOS is a versatile molecular chaperone that efficiently inhibits A β 2 toxicity in <i>Drosophila</i> . <i>Biochemical Journal</i> , 2016 , 473, 3683-3704	3.8	28
126	BRICHOS binds to a designed amyloid-forming Eprotein and reduces proteasomal inhibition and aggresome formation. <i>Biochemical Journal</i> , 2016 , 473, 167-78	3.8	14
125	Phospholipid Composition in Synthetic Surfactants Is Important for Tidal Volumes and Alveolar Stability in Surfactant-Treated Preterm Newborn Rabbits. <i>Neonatology</i> , 2016 , 109, 177-85	4	11
124	Silk Spinning in Silkworms and Spiders. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	78

123	Kinetic analysis reveals the diversity of microscopic mechanisms through which molecular chaperones suppress amyloid formation. <i>Nature Communications</i> , 2016 , 7, 10948	17.4	153
122	Amyloid: a multifaceted player in human health and disease. <i>Journal of Internal Medicine</i> , 2016 , 280, 136-148	10.8	2
121	Current and future treatment of amyloid diseases. <i>Journal of Internal Medicine</i> , 2016 , 280, 177-202	10.8	65
120	Transmissible amyloid. <i>Journal of Internal Medicine</i> , 2016 , 280, 153-63	10.8	16
119	Dissociation of a BRICHOS trimer into monomers leads to increased inhibitory effect on A β 2 fibril formation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015 , 1854, 835-43	4	15
118	Toward spinning artificial spider silk. <i>Nature Chemical Biology</i> , 2015 , 11, 309-15	11.7	210
117	Specific chaperones and regulatory domains in control of amyloid formation. <i>Journal of Biological Chemistry</i> , 2015 , 290, 26430-6	5.4	27
116	Folding and Intramembraneous BRICHOS Binding of the Prosurfactant Protein C Transmembrane Segment. <i>Journal of Biological Chemistry</i> , 2015 , 290, 17628-41	5.4	7
115	BRI2 ectodomain affects A β 2 fibrillation and tau truncation in human neuroblastoma cells. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 1599-611	10.3	9
114	Diversified Structural Basis of a Conserved Molecular Mechanism for pH-Dependent Dimerization in Spider Silk N-Terminal Domains. <i>ChemBioChem</i> , 2015 , 16, 1720-4	3.8	29
113	Carbonic anhydrase generates a pH gradient in Bombyx mori silk glands. <i>Insect Biochemistry and Molecular Biology</i> , 2015 , 65, 100-6	4.5	30
112	A molecular chaperone breaks the catalytic cycle that generates toxic A β oligomers. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 207-213	17.6	268
111	Separate molecular determinants in amyloidogenic and antimicrobial peptides. <i>Journal of Molecular Biology</i> , 2014 , 426, 2159-66	6.5	16
110	Amyloid- β -induced action potential desynchronization and degradation of hippocampal gamma oscillations is prevented by interference with peptide conformation change and aggregation. <i>Journal of Neuroscience</i> , 2014 , 34, 11416-25	6.6	61
109	Recombinant spider silk genetically functionalized with affinity domains. <i>Biomacromolecules</i> , 2014 , 15, 1696-706	6.9	45
108	Spider silk for xeno-free long-term self-renewal and differentiation of human pluripotent stem cells. <i>Biomaterials</i> , 2014 , 35, 8496-502	15.6	34
107	Sequential pH-driven dimerization and stabilization of the N-terminal domain enables rapid spider silk formation. <i>Nature Communications</i> , 2014 , 5, 3254	17.4	96
106	Evaluation of Functionalized Spider Silk Matrices: Choice of Cell Types and Controls are Important for Detecting Specific Effects. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014 , 2, 50	5.8	6

105	C/EBP β expression is an independent predictor of overall survival in breast cancer patients by MHCII/CD4-dependent mechanism of metastasis formation. <i>Oncogenesis</i> , 2014 , 3, e125	6.6	12
104	Carbonic anhydrase generates CO ₂ and H ⁺ that drive spider silk formation via opposite effects on the terminal domains. <i>PLoS Biology</i> , 2014 , 12, e1001921	9.7	109
103	The chaperone domain BRICHOS prevents CNS toxicity of amyloid- β peptide in <i>Drosophila melanogaster</i> . <i>DMM Disease Models and Mechanisms</i> , 2014 , 7, 659-65	4.1	36
102	The BRICHOS domain, amyloid fibril formation, and their relationship. <i>Biochemistry</i> , 2013 , 52, 7523-31	3.2	51
101	MiR-155-mediated loss of C/EBP β shifts the TGF- β response from growth inhibition to epithelial-mesenchymal transition, invasion and metastasis in breast cancer. <i>Oncogene</i> , 2013 , 32, 5614-24	9.2	123
100	Morphology and composition of the spider major ampullate gland and dragline silk. <i>Biomacromolecules</i> , 2013 , 14, 2945-52	6.9	37
99	Harnessing the Self-Assembling Properties of Proteins in Spider Silk and Lung Surfactant	2013 , 455-470	1
98	Invited review current progress and limitations of spider silk for biomedical applications. <i>Biopolymers</i> , 2012 , 97, 468-78	2.2	64
97	BRICHOS domains efficiently delay fibrillation of amyloid β peptide. <i>Journal of Biological Chemistry</i> , 2012 , 287, 31608-17	5.4	103
96	Control of amyloid assembly by autoregulation. <i>Biochemical Journal</i> , 2012 , 447, 185-92	3.8	13
95	pH-dependent dimerization of spider silk N-terminal domain requires relocation of a wedged tryptophan side chain. <i>Journal of Molecular Biology</i> , 2012 , 422, 477-87	6.5	61
94	Alterations of the C-terminal end do not affect in vitro or in vivo activity of surfactant protein C analogs. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 27-32	3.8	6
93	High-resolution structure of a BRICHOS domain and its implications for anti-amyloid chaperone activity on lung surfactant protein C. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2325-9	11.5	87
92	Full-length minor ampullate spidroin gene sequence. <i>PLoS ONE</i> , 2012 , 7, e52293	3.7	58
91	BRICHOS domain associated with lung fibrosis, dementia and cancer--a chaperone that prevents amyloid fibril formation?. <i>FEBS Journal</i> , 2011 , 278, 3893-904	5.7	51
90	Spider silk proteins: recent advances in recombinant production, structure-function relationships and biomedical applications. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 169-84	10.3	144
89	Functionalisation of recombinant spider silk with conjugated polyelectrolytes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2909		18
88	Self-assembly of spider silk proteins is controlled by a pH-sensitive relay. <i>Nature</i> , 2010 , 465, 236-8	50.4	328

87	Surfactant protein B propeptide contains a saposin-like protein domain with antimicrobial activity at low pH. <i>Journal of Immunology</i> , 2010 , 184, 975-83	5.3	51
86	Different effects of surfactant proteins B and C - implications for development of synthetic surfactants. <i>Neonatology</i> , 2010 , 97, 367-72	4	27
85	A pH-dependent dimer lock in spider silk protein. <i>Journal of Molecular Biology</i> , 2010 , 404, 328-36	6.5	47
84	The extracellular domain of Bri2 (ITM2B) binds the ABri peptide (1-23) and amyloid beta-peptide (Abeta1-40): Implications for Bri2 effects on processing of amyloid precursor protein and Abeta aggregation. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 393, 356-61	3.4	40
83	Amino acid sequence determinants and molecular chaperones in amyloid fibril formation. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 396, 2-6	3.4	24
82	Conformational preferences of non-polar amino acid residues: an additional factor in amyloid formation. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 402, 515-8	3.4	21
81	Synthetic surfactant based on analogues of SP-B and SP-C is superior to single-peptide surfactants in ventilated premature rabbits. <i>Neonatology</i> , 2010 , 98, 91-9	4	44
80	Sterilized recombinant spider silk fibers of low pyrogenicity. <i>Biomacromolecules</i> , 2010 , 11, 953-9	6.9	43
79	Recombinant spider silk as matrices for cell culture. <i>Biomaterials</i> , 2010 , 31, 9575-85	15.6	89
78	Tissue Response to Subcutaneously Implanted Recombinant Spider Silk: An in Vivo Study. <i>Materials</i> , 2009 , 2, 1908-1922	3.5	65
77	BRICHOS - a superfamily of multidomain proteins with diverse functions. <i>BMC Research Notes</i> , 2009 , 2, 180	2.3	64
76	Peptide-binding specificity of the prosurfactant protein C Brichos domain analyzed by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 3591-8	2.2	15
75	Engineered disulfides improve mechanical properties of recombinant spider silk. <i>Protein Science</i> , 2009 , 18, 1012-22	6.3	34
74	The Brichos domain of prosurfactant protein C can hold and fold a transmembrane segment. <i>Protein Science</i> , 2009 , 18, 1175-82	6.3	31
73	Preventing amyloid formation by catching unfolded transmembrane segments. <i>Journal of Molecular Biology</i> , 2009 , 389, 227-9	6.5	24
72	Anti-amyloid activity of the C-terminal domain of proSP-C against amyloid beta-peptide and medin. <i>Biochemistry</i> , 2009 , 48, 3778-86	3.2	34
71	Biomimicry of surfactant protein C. <i>Accounts of Chemical Research</i> , 2008 , 41, 1409-17	24.3	30
70	Structural properties of recombinant nonrepetitive and repetitive parts of major ampullate spidroin 1 from <i>Euprosthenops australis</i> : implications for fiber formation. <i>Biochemistry</i> , 2008 , 47, 3407-17 ²	17.2	113

69	Surfactant proteins B and C are both necessary for alveolar stability at end expiration in premature rabbits with respiratory distress syndrome. <i>Journal of Applied Physiology</i> , 2008 , 104, 1101-8	3.7	47
68	Mutations linked to interstitial lung disease can abrogate anti-amyloid function of prosurfactant protein C. <i>Biochemical Journal</i> , 2008 , 416, 201-9	3.8	45
67	C-terminal, endoplasmic reticulum-luminal domain of prosurfactant protein C - structural features and membrane interactions. <i>FEBS Journal</i> , 2008 , 275, 536-47	5.7	19
66	Macroscopic fibers self-assembled from recombinant miniature spider silk proteins. <i>Biomacromolecules</i> , 2007 , 8, 1695-701	6.9	144
65	Major ampullate spidroins from <i>Euprosthenops australis</i> : multiplicity at protein, mRNA and gene levels. <i>Insect Molecular Biology</i> , 2007 , 16, 551-61	3.4	39
64	N-terminal nonrepetitive domain common to dragline, flagelliform, and cylindriform spider silk proteins. <i>Biomacromolecules</i> , 2006 , 7, 3120-4	6.9	122
63	The Brichos domain-containing C-terminal part of pro-surfactant protein C binds to an unfolded poly-val transmembrane segment. <i>Journal of Biological Chemistry</i> , 2006 , 281, 21032-21039	5.4	54
62	Structure and influence on stability and activity of the N-terminal propeptide part of lung surfactant protein C. <i>FEBS Journal</i> , 2006 , 273, 926-35	5.7	7
61	Amyloid fibrils. <i>FEBS Journal</i> , 2005 , 272, 5941	5.7	10
60	Mapping and analysis of the lytic and fusogenic domains of surfactant protein B. <i>Biochemistry</i> , 2005 , 44, 861-72	3.2	69
59	Processing of pulmonary surfactant protein B by napsin and cathepsin H. <i>Journal of Biological Chemistry</i> , 2004 , 279, 16178-84	5.4	105
58	N-terminally extended surfactant protein (SP) C isolated from SP-B-deficient children has reduced surface activity and inhibited lipopolysaccharide binding. <i>Biochemistry</i> , 2004 , 43, 3891-8	3.2	31
57	The N-terminal propeptide of lung surfactant protein C is necessary for biosynthesis and prevents unfolding of a metastable alpha-helix. <i>Journal of Molecular Biology</i> , 2004 , 338, 857-62	6.5	15
56	Cellular antiendotoxin activities of lung surfactant protein C in lipid vesicles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 168, 335-41	10.2	28
55	A synthetic surfactant based on a poly-Leu SP-C analog and phospholipids: effects on tidal volumes and lung gas volumes in ventilated immature newborn rabbits. <i>Journal of Applied Physiology</i> , 2003 , 95, 2055-63	3.7	51
54	Interaction of pulmonary surfactant protein C with CD14 and lipopolysaccharide. <i>Infection and Immunity</i> , 2003 , 71, 61-7	3.7	56
53	Structural basis for interactions between lung surfactant protein C and bacterial lipopolysaccharide. <i>Journal of Biological Chemistry</i> , 2002 , 277, 23484-92	5.4	49
52	Hydrogen/deuterium exchange and aggregation of a polyvaline and a polyleucine alpha-helix investigated by matrix-assisted laser desorption ionization mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2002 , 1, 592-7	7.6	24

51	Molecular effects of proinsulin C-peptide. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 295, 1035-40	3.4	54
50	Membrane properties and amyloid fibril formation of lung surfactant protein C. <i>Biochemical Society Transactions</i> , 2001 , 29, 601-6	5.1	24
49	Membrane properties and amyloid fibril formation of lung surfactant protein C. <i>Biochemical Society Transactions</i> , 2001 , 29, A56-A56	5.1	
48	Free energy barrier estimation of unfolding the alpha-helical surfactant-associated polypeptide C. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001 , 43, 395-402	4.2	9
47	Prediction of amyloid fibril-forming proteins. <i>Journal of Biological Chemistry</i> , 2001 , 276, 12945-50	5.4	240
46	Artificial surfactants based on analogues of SP-B and SP-C. <i>Fetal and Pediatric Pathology</i> , 2001 , 20, 501-18		10
45	The palmitoyl groups of lung surfactant protein C reduce unfolding into a fibrillogenic intermediate. <i>Journal of Molecular Biology</i> , 2001 , 310, 937-50	6.5	42
44	Characterisation of variant forms of prophenin: mechanistic aspects of the fragmentation of proline-rich peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2000 , 14, 2182-202	2.2	25
43	Palmitoylation of a pulmonary surfactant protein C analogue affects the surface associated lipid reservoir and film stability. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000 , 1466, 169-78	3.8	35
42	Pulmonary surfactant protein B: a structural model and a functional analogue. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000 , 1466, 179-86	3.8	57
41	A method for S- and O-palmitoylation of peptides: synthesis of pulmonary surfactant protein-C models. <i>Biochemical Journal</i> , 1999 , 343, 557-562	3.8	40
40	Isolation and characterization of hydrophobic polypeptides in human bile. <i>FEBS Journal</i> , 1999 , 266, 209-14		25
39	Pulmonary surfactant: emerging protein analogues. <i>BioDrugs</i> , 1999 , 11, 71-7	7.9	2
38	Porcine pulmonary surfactant preparations contain the antibacterial peptide prophenin and a C-terminal 18-residue fragment thereof. <i>FEBS Letters</i> , 1999 , 460, 257-62	3.8	19
37	Amyloid fibril formation by pulmonary surfactant protein C. <i>FEBS Letters</i> , 1999 , 464, 138-42	3.8	86
36	Biophysical activity of an artificial surfactant containing an analogue of surfactant protein (SP)-C and native SP-B. <i>Biochemical Journal</i> , 1999 , 339, 381-386	3.8	28
35	Synthetic peptide-containing surfactants--evaluation of transmembrane versus amphipathic helices and surfactant protein C poly-valyl to poly-leucyl substitution. <i>FEBS Journal</i> , 1998 , 255, 116-24		77
34	Determination of proteins, phosphatidylethanolamine, and phosphatidylserine in organic solvent extracts of tissue material by analysis of phenylthiocarbamyl derivatives. <i>Analytical Biochemistry</i> , 1998 , 265, 97-102	3.1	28

33	Analysis of variant forms of porcine surfactant polypeptide-C by nano-electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1998 , 12, 1104-14	2.2	11
32	Pulmonary surfactant-associated polypeptide C in a mixed organic solvent transforms from a monomeric alpha-helical state into insoluble beta-sheet aggregates. <i>Protein Science</i> , 1998 , 7, 2533-40	6.3	76
31	Structure and properties of surfactant protein C. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1998 , 1408, 161-72	6.9	132
30	Secondary structure and limited proteolysis give experimental evidence that the precursor of pulmonary surfactant protein B contains three saposin-like domains. <i>FEBS Letters</i> , 1998 , 423, 1-4	3.8	19
29	Reverse-phase HPLC of the hydrophobic pulmonary surfactant proteins: detection of a surfactant protein C isoform containing Nepsilon-palmitoyl-lysine. <i>Biochemical Journal</i> , 1997 , 326 (Pt 3), 799-806	3.8	54
28	Molecular structures and interactions of pulmonary surfactant components. <i>FEBS Journal</i> , 1997 , 244, 675-93		233
27	The 21-residue surfactant peptide (LysLeu4)4Lys(KL4) is a transmembrane alpha-helix with a mixed nonpolar/polar surface. <i>FEBS Letters</i> , 1996 , 384, 185-8	3.8	55
26	Synthetic protein analogues in artificial surfactants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1996 , 85, 642-6	3.1	13
25	Pulmonary surfactant-associated polypeptide SP-C in lipid micelles: CD studies of intact SP-C and NMR secondary structure determination of depalmitoyl-SP-C(1-17). <i>FEBS Letters</i> , 1995 , 362, 261-5	3.8	52
24	An amphipathic helical motif common to tumourolytic polypeptide NK-lysin and pulmonary surfactant polypeptide SP-B. <i>FEBS Letters</i> , 1995 , 362, 328-32	3.8	123
23	The effect of environment on the stability of an integral membrane helix: molecular dynamics simulations of surfactant protein C in chloroform, methanol and water. <i>Journal of Molecular Biology</i> , 1995 , 247, 808-22	6.5	34
22	Secondary structure and biophysical activity of synthetic analogues of the pulmonary surfactant polypeptide SP-C. <i>Biochemical Journal</i> , 1995 , 307 (Pt 2), 535-41	3.8	85
21	Structural and Functional Importance of the C-Terminal Part of the Pulmonary Surfactant Polypeptide SP-C. <i>FEBS Journal</i> , 1995 , 229, 465-472		24
20	Secondary structure and membrane interaction of PR-39, a Pro+Arg-rich antibacterial peptide. <i>FEBS Journal</i> , 1994 , 224, 1019-27		87
19	The NMR structure of the pulmonary surfactant-associated polypeptide SP-C in an apolar solvent contains a valyl-rich alpha-helix. <i>Biochemistry</i> , 1994 , 33, 6015-23	3.2	184
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1	Engineered Spider Silk Proteins for Biomimetic Spinning of Fibers with Toughness Equal to Dragline Silks. <i>Advanced Functional Materials</i> , 2009 , 19, 2200986	15.6	0