Markus B Linder

List of Publications by Citations

159 papers	7,779 citations	47 h-index	83 g-index
171 ext. papers	8,555 ext. citations	6.2 avg, IF	6 L-index

#	Paper	IF	Citations
159	Hydrophobins: the protein-amphiphiles of filamentous fungi. *FEMS Microbiology Reviews*, **2005**, 29, 877-96	15.1	453
158	Advanced Materials through Assembly of Nanocelluloses. *Advanced Materials*, **2018**, 30, e1703779	24	340
157	Hydrophobins: Proteins that self assemble at interfaces. *Current Opinion in Colloid and Interface Science*, **2009**, 14, 356-363	7.6	290
156	The roles and function of cellulose-binding domains. *Journal of Biotechnology*, **1997**, 57, 15-28	3.7	282
155	The binding specificity and affinity determinants of family 1 and family 3 cellulose binding modules. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 484-9	11.5	276
154	Atomic resolution structure of the HFBII hydrophobin, a self-assembling amphiphile. *Journal of Biological Chemistry*, **2004**, 279, 534-9	5.4	191
153	Drug release from nanoparticles embedded in four different nanofibrillar cellulose aerogels. *European Journal of Pharmaceutical Sciences*, **2013**, 50, 69-77	5.1	181
152	Identification of functionally important amino acids in the cellulose-binding domain of Trichoderma reesei cellobiohydrolase I. *Protein Science*, **1995**, 4, 1056-64	6.3	170
151	Interfacial engineering by proteins: exfoliation and functionalization of graphene by hydrophobins. *Angewandte Chemie - International Edition*, **2010**, 49, 4946-9	16.4	146
150	Self-assembled hydrophobin protein films at the air-water interface: structural analysis and molecular engineering. *Biochemistry*, **2007**, 46, 2345-54	3.2	141
149	Two crystal structures of Trichoderma reesei hydrophobin HFBI--the structure of a protein amphiphile with and without detergent interaction. *Protein Science*, **2006**, 15, 2129-40	6.3	141
148	Intravenous delivery of hydrophobin-functionalized porous silicon nanoparticles: stability, plasma protein adsorption and biodistribution. *Molecular Pharmaceutics*, **2012**, 9, 654-63	5.6	131
147	Hydrophobin fusions for high-level transient protein expression and purification in Nicotiana benthamiana. *Plant Physiology*, **2010**, 152, 622-33	6.6	128
146	Genetic engineering of biomimetic nanocomposites: diblock proteins, graphene, and nanofibrillated cellulose. *Angewandte Chemie - International Edition*, **2011**, 50, 8688-91	16.4	125
145	The hydrophobins HFBI and HFBII from Trichoderma reesei showing efficient interactions with nonionic surfactants in aqueous two-phase systems. *Biomacromolecules*, **2001**, 2, 511-7	6.9	122
144	Interaction and comparison of a class I hydrophobin from Schizophyllum commune and class II hydrophobins from Trichoderma reesei. *Biomacromolecules*, **2006**, 7, 1295-301	6.9	121
143	Immobilization of protein-coated drug nanoparticles in nanofibrillar cellulose matrices--enhanced stability and release. *Journal of Controlled Release*, **2011**, 156, 390-7	11.7	115

142	Multifunctional hydrophobin: toward functional coatings for drug nanoparticles. *ACS Nano*, **2010**, 4, 1750-8	14.7	114
141	The mucoadhesive and gastroretentive properties of hydrophobin-coated porous silicon nanoparticle oral drug delivery systems. *Biomaterials*, **2012**, 33, 3353-62	15.6	112
140	Functionalization of nanofibrillated cellulose with silver nanoclusters: fluorescence and antibacterial activity. *Macromolecular Bioscience*, **2011**, 11, 1185-91	5.5	109
139	Structural hierarchy in molecular films of two class II hydrophobins. *Biochemistry*, **2003**, 42, 5253-8	3.2	109
138	Facile method for stiff, tough, and strong nanocomposites by direct exfoliation of multilayered graphene into native nanocellulose matrix. *Biomacromolecules*, **2012**, 13, 1093-9	6.9	107
137	Characterization of a double cellulose-binding domain. Synergistic high affinity binding to crystalline cellulose. *Journal of Biological Chemistry*, **1996**, 271, 21268-72	5.4	104
136	Efficient purification of recombinant proteins using hydrophobins as tags in surfactant-based two-phase systems. *Biochemistry*, **2004**, 43, 11873-82	3.2	101
135	Surface adhesion of fusion proteins containing the hydrophobins HFBI and HFBII from Trichoderma reesei. *Protein Science*, **2002**, 11, 2257-66	6.3	99
134	Dynamic interaction of Trichoderma reesei cellobiohydrolases Cel6A and Cel7A and cellulose at equilibrium and during hydrolysis. *Applied and Environmental Microbiology*, **1999**, 65, 5229-33	4.8	94
133	Aggregation and self-assembly of hydrophobins from Trichoderma reesei: low-resolution structural models. *Biophysical Journal*, **2002**, 83, 2240-7	2.9	93
132	Immobilization-stabilization of proteins on nanofibrillated cellulose derivatives and their bioactive film formation. *Biomacromolecules*, **2012**, 13, 594-603	6.9	92
131	The difference in affinity between two fungal cellulose-binding domains is dominated by a single amino acid substitution. *FEBS Letters*, **1995**, 372, 96-8	3.8	90
130	The role of hemicellulose in nanofibrillated cellulose networks. *Soft Matter*, **2013**, 9, 1319-1326	3.6	86
129	Fungal Hydrophobins as Predictors of the Gushing Activity of Malt. *Journal of the Institute of Brewing*, **2005**, 111, 105-111	2	85
128	Nanocellulose: Recent Fundamental Advances and Emerging Biological and Biomimicking Applications. *Advanced Materials*, **2021**, 33, e2004349	24	81
127	Mechanisms of protein adhesion on surface films of hydrophobin. *Langmuir*, **2010**, 26, 8491-6	4	70
126	Behavior of Trichoderma reesei hydrophobins in solution: interactions, dynamics, and multimer formation. *Biochemistry*, **2006**, 45, 8590-8	3.2	70
125	Self-assembled films of hydrophobin proteins HFBI and HFBII studied in situ at the air/water interface. *Langmuir*, **2009**, 25, 1612-9	4	69

124	Precisely defined protein-polymer conjugates: construction of synthetic DNA binding domains on proteins by using multivalent dendrons. *ACS Nano*, **2007**, 1, 103-13	16.7	69
123	Widely different off rates of two closely related cellulose-binding domains from Trichoderma reesei. *FEBS Journal*, **1999**, 262, 637-43		66
122	Controlled hybrid nanostructures through protein-mediated noncovalent functionalization of carbon nanotubes. *Angewandte Chemie - International Edition*, **2007**, 46, 6446-9	16.4	65
121	Hydrophobin HFBII in detail: ultrahigh-resolution structure at 0.75 A. *Acta Crystallographica Section D: Biological Crystallography*, **2006**, 62, 356-67		65
120	Functional hydrophobin-coating of thermally hydrocarbonized porous silicon microparticles. *Biomaterials*, **2011**, 32, 9089-99	15.6	64
119	Self-assembly of cellulose nanofibrils by genetically engineered fusion proteins. *Soft Matter*, **2011**, 7, 2402	3.6	63
118	Three-dimensional structures of three engineered cellulose-binding domains of cellobiohydrolase I from Trichoderma reesei. *Protein Science*, **1997**, 6, 294-303	6.3	62
117	Multivalent dendrons for high-affinity adhesion of proteins to DNA. *Angewandte Chemie - International Edition*, **2006**, 45, 3538-42	16.4	60
116	Cellular interactions of surface modified nanoporous silicon particles. *Nanoscale*, **2012**, 4, 3184-92	7.7	59
115	Trichoderma reesei cellobiohydrolase I with an endoglucanase cellulose-binding domain: action on bacterial microcrystalline cellulose. *Journal of Biotechnology*, **1997**, 57, 49-57	3.7	58
114	Aligning cellulose nanofibril dispersions for tougher fibers. *Scientific Reports*, **2017**, 7, 11860	4.9	52
113	Crystal structures of hydrophobin HFBII in the presence of detergent implicate the formation of fibrils and monolayer films. *Journal of Biological Chemistry*, **2007**, 282, 28733-28739	5.4	48
112	Graphene Biosensor Programming with Genetically Engineered Fusion Protein Monolayers. *ACS Applied Materials & Interfaces*, **2016**, 8, 8257-64	9.5	47
111	Efficient enantioselective separation of drug enantiomers by immobilised antibody fragments. *Journal of Chromatography A*, **2001**, 925, 89-97	4.5	47
110	Solution structure of the cellulose-binding domain of endoglucanase I from Trichoderma reesei and its interaction with cello-oligosaccharides. *FEBS Journal*, **1998**, 256, 279-86		46
109	Interactions of hydrophobin proteins in solution studied by small-angle X-ray scattering. *Biophysical Journal*, **2008**, 94, 198-206	2.9	46
108	Evaluation of drug interactions with nanofibrillar cellulose. *European Journal of Pharmaceutics and Biopharmaceutics*, **2013**, 85, 1238-44	5.7	43
107	Quantitative assessment of the enzymatic degradation of amorphous cellulose by using a quartz crystal microbalance with dissipation monitoring. *Langmuir*, **2011**, 27, 8819-28	4	42

106	A novel two-step extraction method with detergent/polymer systems for primary recovery of the fusion protein endoglucanase I-hydrophobin I. *Biochimica Et Biophysica Acta - General Subjects*, **2002**, 1569, 139-50	4	41
105	Protein HGFI from the edible mushroom Grifola frondosa is a novel 8 kDa class I hydrophobin that forms rodlets in compressed monolayers. *Microbiology (United Kingdom)*, **2008**, 154, 1677-1685	2.9	41
104	Complexes of Magnetic Nanoparticles with Cellulose Nanocrystals as Regenerable, Highly Efficient, and Selective Platform for Protein Separation. *Biomacromolecules*, **2017**, 18, 898-905	6.9	40
103	Interaction between cellohexaose and cellulose binding domains from Trichoderma reesei cellulases. *FEBS Letters*, **1997**, 407, 291-6	3.8	40
102	Hydrophilic modification of polystyrene with hydrophobin for time-resolved immunofluorometric assay. *Biosensors and Bioelectronics*, **2010**, 26, 1074-9	11.8	39
101	Three-Dimensional Printed Cell Culture Model Based on Spherical Colloidal Lignin Particles and Cellulose Nanofibril-Alginate Hydrogel. *Biomacromolecules*, **2020**, 21, 1875-1885	6.9	38
100	Biomimetic composites with enhanced toughening using silk-inspired triblock proteins and aligned nanocellulose reinforcements. *Science Advances*, **2019**, 5, eaaw2541	14.3	37
99	Heterologous expression of Melanocarpus albomyces cellobiohydrolase Cel7B, and random mutagenesis to improve its thermostability. *Enzyme and Microbial Technology*, **2007**, 41, 234-243	3.8	36
98	Cyclic nucleotide specific phosphodiesterases of Leishmania major. *BMC Microbiology*, **2006**, 6, 25	4.5	34
97	Atomic force microscopy study of cellulose surface interaction controlled by cellulose binding domains. *Colloids and Surfaces B: Biointerfaces*, **2004**, 35, 125-35	6	34
96	Improved immobilization of fusion proteins via cellulose-binding domains. *Biotechnology and Bioengineering*, **1998**, 60, 642-7	4.9	33
95	Hydrophobin (HFBI): A potential fusion partner for one-step purification of recombinant proteins from insect cells. *Protein Expression and Purification*, **2008**, 59, 18-24	2	32
94	Effect of transglutaminase-induced cross-linking of sodium caseinate on the properties of equilibrated interfaces and foams. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 344, 79-85	5.1	31
93	Design of a pH-dependent cellulose-binding domain. *FEBS Letters*, **1999**, 447, 13-6	3.8	31
92	Phase transitions as intermediate steps in the formation of molecularly engineered protein fibers. *Communications Biology*, **2018**, 1, 86	6.7	31
91	Selective nanopatterning using citrate-stabilized Au nanoparticles and cystein-modified amphiphilic protein. *Langmuir*, **2009**, 25, 5185-92	4	30
90	Structural characterization and tribological evaluation of quince seed mucilage. *Tribology International*, **2014**, 77, 24-31	4.9	29
89	Expression of a fungal hydrophobin in the Saccharomyces cerevisiae cell wall: effect on cell surface properties and immobilization. *Applied and Environmental Microbiology*, **2002**, 68, 3385-91	4.8	29

88	Cr 2 O 3 scale growth rates on metallic interconnectors derived from 40,000 h solid oxide fuel cell stack operation. *Journal of Power Sources*, **2013**, 243, 508-518	8.9	28
87	Identification and characterization of gushing-active hydrophobins from Fusarium graminearum and related species. *Journal of Basic Microbiology*, **2012**, 52, 184-94	2.7	27
86	Use of recombinant cellulose-binding domains of Trichoderma reesei cellulase as a selective immunocytochemical marker for cellulose in protozoa. *Applied and Environmental Microbiology*, **2002**, 68, 2503-8	4.8	27
85	Solid-support immobilization of a "swing" fusion protein for enhanced glucose oxidase catalytic activity. *Colloids and Surfaces B: Biointerfaces*, **2013**, 112, 186-91	6	26
84	The relation between solution association and surface activity of the hydrophobin HFBI from Trichoderma reesei. *FEBS Letters*, **2007**, 581, 2721-6	3.8	26
83	Retention of lysozyme activity by physical immobilization in nanocellulose aerogels and antibacterial effects. *Cellulose*, **2017**, 24, 2837-2848	5.5	25
82	Charge-based engineering of hydrophobin HFBI: effect on interfacial assembly and interactions. *Biomacromolecules*, **2015**, 16, 1283-92	6.9	25
81	Enhanced plastic deformations of nanofibrillated cellulose film by adsorbed moisture and protein-mediated interactions. *Biomacromolecules*, **2015**, 16, 311-8	6.9	24
80	Controlled biocide release from hierarchically-structured biogenic silica: surface chemistry to tune release rate and responsiveness. *Scientific Reports*, **2018**, 8, 5555	4.9	24
79	Adhesion and tribological properties of hydrophobin proteins in aqueous lubrication on stainless steel surfaces. *RSC Advances*, **2012**, 2, 9867	3.7	24
78	Binding of cellulose binding modules reveal differences between cellulose substrates. *Scientific Reports*, **2016**, 6, 35358	4.9	23
77	Genetic engineering in biomimetic composites. *Trends in Biotechnology*, **2012**, 30, 191-7	15.1	23
76	Modular architecture of protein binding units for designing properties of cellulose nanomaterials. *Angewandte Chemie - International Edition*, **2015**, 54, 12025-8	16.4	23
75	The amphiphilic protein HFBII as a genetically taggable molecular carrier for the formation of a self-organized functional protein layer on a solid surface. *Langmuir*, **2009**, 25, 8841-4	4	23
74	Hydrophobin film structure for HFBI and HFBII and mechanism for accelerated film formation. *PLoS Computational Biology*, **2014**, 10, e1003745	5	22
73	Noncovalent Dispersion and Functionalization of Cellulose Nanocrystals with Proteins and Polysaccharides. *Biomacromolecules*, **2016**, 17, 1458-65	6.9	21
72	Hydrophobin: fluorosurfactant-like properties without fluorine. *Soft Matter*, **2013**, 9, 6505	3.6	21
71	Self-assembly of class II hydrophobins on polar surfaces. *Langmuir*, **2012**, 28, 4293-300	4	21

70	Self-assembled structures of hydrophobins HFBI and HFBII. *Journal of Applied Crystallography*, **2003**, 36, 499-502	3.8	21
69	Laccase from Melanocarpus albomyces binds effectively to cellulose. *FEBS Letters*, **2004**, 576, 251-5	3.8	21
68	An environmental route of exposure affects the formation of nanoparticle coronas in blood plasma. *Journal of Proteomics*, **2016**, 137, 52-8	3.9	20
67	Structure-function relationships in hydrophobins: probing the role of charged side chains. *Applied and Environmental Microbiology*, **2013**, 79, 5533-8	4.8	18
66	LangmuirBlodgett films of hydrophobins HFBI and HFBII. *Surface Science*, **2005**, 584, 35-40	1.8	18
65	Modulating the Mechanical Performance of Macroscale Fibers through Shear-Induced Alignment and Assembly of Protein Nanofibrils. *Small*, **2020**, 16, e1904190	11	18
64	Self-Coacervation of a Silk-Like Protein and Its Use As an Adhesive for Cellulosic Materials. *ACS Macro Letters*, **2018**, 7, 1120-1125	6.6	18
63	Binding Forces of Cellulose Binding Modules on Cellulosic Nanomaterials. *Biomacromolecules*, **2019**, 20, 769-777	6.9	17
62	Multivalent Dendrons for High-Affinity Adhesion of Proteins to DNA. *Angewandte Chemie*, **2006**, 118, 3618-3622	3.6	17
61	Methyl cellulose/cellulose nanocrystal nanocomposite fibers with high ductility. *European Polymer Journal*, **2019**, 112, 334-345	5.2	17
60	Silica-gentamicin nanohybrids: combating antibiotic resistance, bacterial biofilms, and in vivo toxicity. *International Journal of Nanomedicine*, **2018**, 13, 7939-7957	7.3	17
59	Crystallization and preliminary X-ray characterization of Trichoderma reesei hydrophobin HFBII. *Acta Crystallographica Section D: Biological Crystallography*, **2004**, 60, 163-5		16
58	Elastic and pH-Responsive Hybrid Interfaces Created with Engineered Resilin and Nanocellulose. *Biomacromolecules*, **2017**, 18, 1866-1873	6.9	15
57	Hydrophobin as a Nanolayer Primer That Enables the Fluorinated Coating of Poorly Reactive Polymer Surfaces. *Advanced Materials Interfaces*, **2015**, 2, 1500170	4.6	15
56	Genetic Engineering of Biomimetic Nanocomposites: Diblock Proteins, Graphene, and Nanofibrillated Cellulose. *Angewandte Chemie*, **2011**, 123, 8847-8850	3.6	15
55	Hollow nanoparticle nanotubes with a nanoscale brick wall structure of clay mineral platelets. *Chemical Communications*, **2007**, 1366-8	5.8	15
54	Cleavage of recombinant proteins at poly-His sequences by Co(II) and Cu(II). *Protein Science*, **2007**, 16, 1751-61	6.3	15
53	Self-assembled films of hydrophobin protein HFBIII from Trichoderma reesei. *Journal of Applied Crystallography*, **2007**, 40, s355-s360	3.8	14

52	Novel Hydrophobin Fusion Tags for Plant-Produced Fusion Proteins. *PLoS ONE*, **2016**, 11, e0164032	3.7	14
51	High-yield fermentation and a novel heat-precipitation purification method for hydrophobin HGFI from Grifola frondosa in Pichia pastoris. *Protein Expression and Purification*, **2016**, 128, 22-8	2	13
50	Bioseparation of recombinant proteins from plant extract with hydrophobin fusion technology. *Methods in Molecular Biology*, **2012**, 824, 527-34	1.4	13
49	Self-Assembling Protein-Polymer Bioconjugates for Surfaces with Antifouling Features and Low Nonspecific Binding. *ACS Applied Materials & Interfaces*, **2019**, 11, 3599-3608	9.5	13
48	Controlled communication between physically separated bacterial populations in a microfluidic device. *Communications Biology*, **2018**, 1, 97	6.7	12
47	Formation of ceramophilic chitin and biohybrid materials enabled by a genetically engineered bifunctional protein. *Chemical Communications*, **2014**, 50, 7348-51	5.8	12
46	Modification of interfacial forces by hydrophobin HFBI. *Soft Matter*, **2013**, 9, 10627	3.6	12
45	Molecular crowding facilitates assembly of spidroin-like proteins through phase separation. *European Polymer Journal*, **2019**, 112, 539-546	5.2	12
44	Evaluating the potential of natural surfactants in the petroleum industry: the case of hydrophobins. *Pure and Applied Chemistry*, **2018**, 90, 305-314	2.1	12
43	Modification of carbon nanotubes by amphiphilic glycosylated proteins. *Journal of Colloid and Interface Science*, **2018**, 512, 318-324	9.3	11
42	Model-based prediction of the ohmic resistance of metallic interconnects from oxide scale growth based on scanning electron microscopy. *Journal of Power Sources*, **2014**, 272, 595-605	8.9	11
41	Interaction of transglutaminase with adsorbed and spread films of □casein and □casein. *Colloids and Surfaces B: Biointerfaces*, **2015**, 128, 254-260	6	10
40	Kinetic and equilibrium aspects of adsorption and desorption of class II hydrophobins HFBI and HFBII at silicon oxynitride/water and air/water interfaces. *Langmuir*, **2013**, 29, 2683-91	4	10
39	Directing enzymatic cross-linking activity to the air□water interface by a fusion protein approach. *Soft Matter*, **2013**, 9, 1612-1619	3.6	10
38	Exploring the mineralization of hydrophobins at a liquid interface. *Soft Matter*, **2012**, 8, 11343	3.6	10
37	Biomimetic approach to water lubrication with biomolecular additives. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2011**, 225, 1013-1022	1.4	10
36	Interfacial Behavior of Recombinant Spider Silk Protein Parts Reveals Cues on the Silk Assembly Mechanism. *Langmuir*, **2018**, 34, 11795-11805	4	10
35	Oscillating Ferrofluid Droplet Microrheology of Liquid-Immersed Sessile Droplets. *Langmuir*, **2017**, 33, 6300-6306	4	9

34	A model-based approach for current voltage analyses to quantify degradation and fuel distribution in solid oxide fuel cell stacks. *Journal of Power Sources*, **2015**, 288, 409-418	8.9	9
33	Hydrophobins as aqueous lubricant additive for a soft sliding contact. *Colloids and Surfaces B: Biointerfaces*, **2015**, 125, 264-9	6	9
32	Sea star-inspired recombinant adhesive proteins self-assemble and adsorb on surfaces in aqueous environments to form cytocompatible coatings. *Acta Biomaterialia*, **2020**, 112, 62-74	10.8	9
31	Electrical transport through ordered self-assembled protein monolayer measured by constant force conductive atomic force microscopy. *Applied Physics Letters*, **2009**, 94, 183901	3.4	9
30	A synthetically modified hydrophobin showing enhanced fluorous affinity. *Journal of Colloid and Interface Science*, **2015**, 448, 140-7	9.3	8
29	Electrochemical properties of honeycomb-like structured HFBI self-organized membranes on HOPG electrodes. *Colloids and Surfaces B: Biointerfaces*, **2014**, 123, 803-8	6	8
28	Self-Assembly of Native Cellulose Nanostructures **2017**, 123-174		7
27	The dynamics of multimer formation of the amphiphilic hydrophobin protein HFBII. *Colloids and Surfaces B: Biointerfaces*, **2017**, 155, 111-117	6	7
26	In-solution antibody harvesting with a plant-produced hydrophobin-Protein A fusion. *Plant Biotechnology Journal*, **2018**, 16, 404-414	11.6	7
25	Molecular engineering of avidin and hydrophobin for functional self-assembling interfaces. *Colloids and Surfaces B: Biointerfaces*, **2014**, 120, 102-9	6	7
24	Modular Architecture of Protein Binding Units for Designing Properties of Cellulose Nanomaterials. *Angewandte Chemie*, **2015**, 127, 12193-12196	3.6	7
23	Coacervation of resilin fusion proteins containing terminal functionalities. *Colloids and Surfaces B: Biointerfaces*, **2018**, 171, 590-596	6	6
22	Selection and characterization of peptides binding to diamond-like carbon. *Colloids and Surfaces B: Biointerfaces*, **2013**, 110, 66-73	6	6
21	Biomaterials: Recipe for squid beak. *Nature Chemical Biology*, **2015**, 11, 455-6	11.7	6
20	Engineered Hydrophobin for Biomimetic Mineralization of Functional Calcium Carbonate Microparticles. *Journal of Biomaterials and Nanobiotechnology*, **2014**, 05, 1-7	1	6
19	Modular protein architectures for pH-dependent interactions and switchable assembly of nanocellulose. *International Journal of Biological Macromolecules*, **2019**, 137, 270-276	7.9	5
18	Fungal-type carbohydrate binding modules from the coccolithophore Emiliania huxleyi show binding affinity to cellulose and chitin. *PLoS ONE*, **2018**, 13, e0197875	3.7	5
17	Analyzing the weak dimerization of a cellulose binding module by analytical ultracentrifugation. *International Journal of Biological Macromolecules*, **2020**, 163, 1995-2004	7.9	4

16	The structural basis for function in diamond-like carbon binding peptides. *Langmuir*, **2014**, 30, 8798-802	4	4
15	Ordered nano-structure of a stamped self-organized protein layer on a HOPG surface using a HFB carrier. *Colloids and Surfaces B: Biointerfaces*, **2011**, 84, 395-9	6	4
14	Labeled Trichoderma reesei cellulase as a marker for Acanthamoeba cyst wall cellulose in infected tissues. *Applied and Environmental Microbiology*, **2009**, 75, 6827-30	4.8	4
13	Controllable coacervation of recombinantly produced spider silk protein using kosmotropic salts. *Journal of Colloid and Interface Science*, **2020**, 560, 149-160	9.3	4
12	Recombinant Spider Silk Protein and Delignified Wood Form a Strong Adhesive System. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 552-561	8.3	4
11	Dynamic Assembly of Class II Hydrophobins from at the Air-Water Interface. *Langmuir*, **2019**, 35, 9202-9212	4	3
10	Ohmic resistance of nickel infiltrated chromium oxide scales in solid oxide fuel cell metallic interconnects. *Solid State Ionics*, **2015**, 283, 38-51	3.3	3
9	Self-Assembly of Silk-like Protein into Nanoscale Bicontinuous Networks under Phase-Separation Conditions. *Biomacromolecules*, **2021**, 22, 690-700	6.9	3
8	Engineering of the function of diamond-like carbon binding peptides through structural design. *Biomacromolecules*, **2015**, 16, 476-82	6.9	2
7	Different effects of carbohydrate binding modules on the viscoelasticity of nanocellulose gels. *Biochemistry and Biophysics Reports*, **2020**, 22, 100766	2.2	2
6	The Effect of Hydrophobin Protein on Conductive Properties of Carbon Nanotube Field-Effect Transistors: First Study on Sensing Mechanism. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 2079-87	1.3	2
5	Effect of operational conditions and environment on lubricity of hydrophobins in water based lubrication systems. *Tribology - Materials, Surfaces and Interfaces*, **2014**, 8, 241-247	1.4	2
4	Effect of oxidation on cellulose and water structure: a molecular dynamics simulation study. *Cellulose*, **2021**, 28, 3917-3933	5.5	2
3	A Novel Laccase from the Ascomycete Melanocarpus albomyces. *ACS Symposium Series*, **2003**, 315-331	0.4	1
2	In vivo liquid-liquid phase separation protects amyloidogenic and aggregation-prone peptides during overexpression in Escherichia coli.. *Protein Science*, **2022**, 31, e4292	6.3	0
1	Bioengineering **2020**, 193-208		