Markus B Linder

List of Publications by Year
in descending order

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161
papers

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36303
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171
all docs

171
docs citations

171
times ranked

8533
citing authors

#	Article	IF	Citations
1	Hydrophobins: the protein-amphiphiles of filamentous fungi. FEMS Microbiology Reviews, 2005, 29, 877-896.	8.6	535
2	Advanced Materials through Assembly of Nanocelluloses. Advanced Materials, 2018, 30, e1703779.	21.0	493
3	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, 484-489.	7.1	323
4	The roles and function of cellulose-binding domains. Journal of Biotechnology, 1997, 57, 15-28.	3.8	321
5	Hydrophobins: Proteins that self assemble at interfaces. Current Opinion in Colloid and Interface Science, 2009, 14, 356-363.	7.4	320
6	Nanocellulose: Recent Fundamental Advances and Emerging Biological and Biomimicking Applications. Advanced Materials, 2021, 33, e2004349.	21.0	212
7	Drug release from nanoparticles embedded in four different nanofibrillar cellulose aerogels. European Journal of Pharmaceutical Sciences, 2013, 50, 69-77.	4.0	209
8	Atomic Resolution Structure of the HFBII Hydrophobin, a Self-assembling Amphiphile. Journal of Biological Chemistry, 2004, 279, 534-539.	3.4	205
9	Identification of functionally important amino acids in the celluloseâ€binding domain of <i>Trichoderma reesei</i> cellobiohydrolase I. Protein Science, 1995, 4, 1056-1064.	7.6	195
10	Two crystal structures of Trichoderma reesei hydrophobin HFBI--The structure of a protein amphiphile with and without detergent interaction. Protein Science, 2006, 15, 2129-2140.	7.6	158
11	Interfacial Engineering by Proteins: Exfoliation and Functionalization of Graphene by Hydrophobins. Angewandte Chemie - International Edition, 2010, 49, 4946-4949.	13.8	158
12	Hydrophobin Fusions for High-Level Transient Protein Expression and Purification in<i>Nicotiana benthamiana</i>Â Â Â. Plant Physiology, 2010, 152, 622-633.	4.8	155
13	Self-Assembled Hydrophobin Protein Films at the Airâˆ’Water Interface:â€‰ Structural Analysis and Molecular Engineering. Biochemistry, 2007, 46, 2345-2354.	2.5	153
14	Intravenous Delivery of Hydrophobin-Functionalized Porous Silicon Nanoparticles: Stability, Plasma Protein Adsorption and Biodistribution. Molecular Pharmaceutics, 2012, 9, 654-663.	4.6	146
15	Genetic Engineering of Biomimetic Nanocomposites: Diblock Proteins, Graphene, and Nanofibrillated Cellulose. Angewandte Chemie - International Edition, 2011, 50, 8688-8691.	13.8	142
16	The Hydrophobins HFBI and HFBII fromTrichoderma reeseiShowing Efficient Interactions with Nonionic Surfactants in Aqueous Two-Phase Systems. Biomacromolecules, 2001, 2, 511-517.	5.4	129
17	Immobilization of protein-coated drug nanoparticles in nanofibrillar cellulose matricesâ€"Enhanced stability and release. Journal of Controlled Release, 2011, 156, 390-397.	9.9	128
18	Facile Method for Stiff, Tough, and Strong Nanocomposites by Direct Exfoliation of Multilayered Graphene into Native Nanocellulose Matrix. Biomacromolecules, 2012, 13, 1093-1099.	5.4	126

#	ARTICLE	IF	CITATIONS
19	Interaction and Comparison of a Class I Hydrophobin fromSchizophyllum communeand Class II Hydrophobins fromTrichoderma reesei. Biomacromolecules, 2006, 7, 1295-1301.	5.4	125
20	The mucoadhesive and gastroretentive properties of hydrophobin-coated porous silicon nanoparticle oral drug delivery systems. Biomaterials, 2012, 33, 3353-3362.	11.4	125
21	Multifunctional Hydrophobin: Toward Functional Coatings for Drug Nanoparticles. ACS Nano, 2010, 4, 1750-1758.	14.6	121
22	Functionalization of Nanofibrillated Cellulose with Silver Nanoclusters: Fluorescence and Antibacterial Activity. Macromolecular Bioscience, 2011, 11, 1185-1191.	4.1	121
23	Structural Hierarchy in Molecular Films of Two Class II Hydrophobinsâ€. Biochemistry, 2003, 42, 5253-5258.	2.5	120
24	Characterization of a Double Cellulose-binding Domain. Journal of Biological Chemistry, 1996, 271, 21268-21272.	3.4	117
25	Efficient Purification of Recombinant Proteins Using Hydrophobins as Tags in Surfactant-Based Two-Phase Systemsâ€. Biochemistry, 2004, 43, 11873-11882.	2.5	117
26	Immobilizationâ€"Stabilization of Proteins on Nanofibrillated Cellulose Derivatives and Their Bioactive Film Formation. Biomacromolecules, 2012, 13, 594-603.	5.4	108
27	The difference in affinity between two fungal cellulose-binding domains is dominated by a single amino acid substitution. FEBS Letters, 1995, 372, 96-98.	2.8	104
28	The role of hemicellulose in nanofibrillated cellulose networks. Soft Matter, 2013, 9, 1319-1326.	2.7	103
29	Surface adhesion of fusion proteins containing the hydrophobins HFBI and HFBII from Trichoderma reesei. Protein Science, 2009, 11, 2257-2266.	7.6	102
30	Dynamic Interaction of <i>Trichoderma reesei</i> Cellobiohydrolases Cel6A and Cel7A and Cellulose at Equilibrium and during Hydrolysis. Applied and Environmental Microbiology, 1999, 65, 5229-5233.	3.1	101
31	Aggregation and Self-Assembly of Hydrophobins from Trichoderma reesei: Low-Resolution Structural Models. Biophysical Journal, 2002, 83, 2240-2247.	0.5	95
32	Fungal Hydrophobins as Predictors of the Gushing Activity of Malt. Journal of the Institute of Brewing, 2005, 111, 105-111.	2.3	92
33	Threeâ€dimensional structures of three engineered celluloseâ€binding domains of cellobiohydrolase I from <i>Trichoderma reesei</i>. Protein Science, 1997, 6, 294-303.	7.6	81
34	Aligning cellulose nanofibril dispersions for tougher fibers. Scientific Reports, 2017, 7, 11860.	3.3	79
35	Precisely Defined Proteinâ€"Polymer Conjugates: Construction of Synthetic DNA Binding Domains on Proteins by Using Multivalent Dendrons. ACS Nano, 2007, 1, 103-113.	14.6	77
36	Mechanisms of Protein Adhesion on Surface Films of Hydrophobin. Langmuir, 2010, 26, 8491-8496.	3.5	77

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37	Behavior ofTrichoderma reeseiHydrophobins in Solution:Â Interactions, Dynamics, and Multimer Formationâ€. Biochemistry, 2006, 45, 8590-8598.	2.5	76
38	Three-Dimensional Printed Cell Culture Model Based on Spherical Colloidal Lignin Particles and Cellulose Nanofibril-Alginate Hydrogel. Biomacromolecules, 2020, 21, 1875-1885.	5.4	75
39	Widely different off rates of two closely related cellulose-binding domains from Trichoderma reesei. FEBS Journal, 1999, 262, 637-643.	0.2	73
40	Biomimetic composites with enhanced toughening using silk-inspired triblock proteins and aligned nanocellulose reinforcements. Science Advances, 2019, 5, eaaw2541.	10.3	73
41	Hydrophobin HFBII in detail: ultrahigh-resolution structure at 0.75â€…Ã…. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 356-367.	2.5	71
42	Self-Assembled Films of Hydrophobin Proteins HFBI and HFBII Studied in Situ at the Air/Water Interface. Langmuir, 2009, 25, 1612-1619.	3.5	71
43	Functional hydrophobin-coating of thermally hydrocarbonized porous silicon microparticles. Biomaterials, 2011, 32, 9089-9099.	11.4	71
44	Controlled Hybrid Nanostructures through Proteinâ€Mediated Noncovalent Functionalization of Carbon Nanotubes. Angewandte Chemie - International Edition, 2007, 46, 6446-6449.	13.8	67
45	Trichoderma reesei cellobiohydrolase I with an endoglucanase cellulose-binding domain: action on bacterial microcrystalline cellulose. Journal of Biotechnology, 1997, 57, 49-57.	3.8	66
46	Self-assembly of cellulose nanofibrils by genetically engineered fusion proteins. Soft Matter, 2011, 7, 2402.	2.7	66
47	Multivalent Dendrons for High-Affinity Adhesion of Proteins to DNA. Angewandte Chemie - International Edition, 2006, 45, 3538-3542.	13.8	65
48	Cellular interactions of surface modified nanoporous silicon particles. Nanoscale, 2012, 4, 3184.	5.6	63
49	Phase transitions as intermediate steps in the formation of molecularly engineered protein fibers. Communications Biology, 2018, 1, 86.	4.4	59
50	Solution structure of the cellulose-binding domain of endoglucanase I from Trichoderma reesei and its interaction with cello-oligosaccharides. FEBS Journal, 1998, 256, 279-286.	0.2	58
51	Complexes of Magnetic Nanoparticles with Cellulose Nanocrystals as Regenerable, Highly Efficient, and Selective Platform for Protein Separation. Biomacromolecules, 2017, 18, 898-905.	5.4	57
52	Graphene Biosensor Programming with Genetically Engineered Fusion Protein Monolayers. ACS Applied Materials & Interfaces, 2016, 8, 8257-8264.	8.0	54
53	Efficient enantioselective separation of drug enantiomers by immobilised antibody fragments. Journal of Chromatography A, 2001, 925, 89-97.	3.7	53
54	Evaluation of drug interactions with nanofibrillar cellulose. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 1238-1244.	4.3	52

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55	Interaction between cellohexaose and cellulose binding domains from Trichoderma reesei cellulases. FEBS Letters, 1997, 407, 291-296.	2.8	50
56	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.	3.4	50
57	Protein HGFI from the edible mushroom Grifola frondosa is a novel 8â€…kDa class I hydrophobin that forms rodlets in compressed monolayers. Microbiology (United Kingdom), 2008, 154, 1677-1685.	1.8	48
58	Interactions of Hydrophobin Proteins in Solution Studied by Small-Angle X-Ray Scattering. Biophysical Journal, 2008, 94, 198-206.	0.5	47
59	Quantitative Assessment of the Enzymatic Degradation of Amorphous Cellulose by Using a Quartz Crystal Microbalance with Dissipation Monitoring. Langmuir, 2011, 27, 8819-8828.	3.5	47
60	Hydrophilic modification of polystyrene with hydrophobin for time-resolved immunofluorometric assay. Biosensors and Bioelectronics, 2010, 26, 1074-1079.	10.1	45
61	Atomic force microscopy study of cellulose surface interaction controlled by cellulose binding domains. Colloids and Surfaces B: Biointerfaces, 2004, 35, 125-135.	5.0	44
62	A novel two-step extraction method with detergent/polymer systems for primary recovery of the fusion protein endoglucanase Iâ€“hydrophobin I. Biochimica Et Biophysica Acta - General Subjects, 2002, 1569, 139-150.	2.4	43
63	Identification and characterization of gushingâ€active hydrophobins from <i>Fusarium graminearum</i> and related species. Journal of Basic Microbiology, 2012, 52, 184-194.	3.3	42
64	Heterologous expression of Melanocarpus albomyces cellobiohydrolase Cel7B, and random mutagenesis to improve its thermostability. Enzyme and Microbial Technology, 2007, 41, 234-243.	3.2	41
65	Cyclic nucleotide specific phosphodiesterases of Leishmania major. BMC Microbiology, 2006, 6, 25.	3.3	39
66	Modulating the Mechanical Performance of Macroscale Fibers through Shearâ€Induced Alignment and Assembly of Protein Nanofibrils. Small, 2020, 16, e1904190.	10.0	39
67	Cr 2 O 3 scale growth rates on metallic interconnectors derived from 40,000Âh solid oxide fuel cell stack operation. Journal of Power Sources, 2013, 243, 508-518.	7.8	38
68	Improved immobilization of fusion proteins via cellulose-binding domains. , 1998, 60, 642-647.		37
69	Structural characterization and tribological evaluation of quince seed mucilage. Tribology International, 2014, 77, 24-31.	5.9	37
70	Retention of lysozyme activity by physical immobilization in nanocellulose aerogels and antibacterial effects. Cellulose, 2017, 24, 2837-2848.	4.9	36
71	Controlled biocide release from hierarchically-structured biogenic silica: surface chemistry to tune release rate and responsiveness. Scientific Reports, 2018, 8, 5555.	3.3	35
72	Hydrophobin (HFBI): A potential fusion partner for one-step purification of recombinant proteins from insect cells. Protein Expression and Purification, 2008, 59, 18-24.	1.3	34

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73	Selective Nanopatterning Using Citrate-Stabilized Au Nanoparticles and Cystein-Modified Amphiphilic Protein. Langmuir, 2009, 25, 5185-5192.	3.5	34
74	Methyl cellulose/cellulose nanocrystal nanocomposite fibers with high ductility. European Polymer Journal, 2019, 112, 334-345.	5.4	34
75	Design of a pH-dependent cellulose-binding domain. FEBS Letters, 1999, 447, 13-16.	2.8	33
76	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.	4.7	33
77	Expression of a Fungal Hydrophobin in the Saccharomyces cerevisiae Cell Wall: Effect on Cell Surface Properties and Immobilization. Applied and Environmental Microbiology, 2002, 68, 3385-3391.	3.1	32
78	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, 2503-2508.	3.1	32
79	Binding of cellulose binding modules reveal differences between cellulose substrates. Scientific Reports, 2016, 6, 35358.	3.3	30
80	Charge-Based Engineering of Hydrophobin HFBI: Effect on Interfacial Assembly and Interactions. Biomacromolecules, 2015, 16, 1283-1292.	5.4	29
81	Self-Coacervation of a Silk-Like Protein and Its Use As an Adhesive for Cellulosic Materials. ACS Macro Letters, 2018, 7, 1120-1125.	4.8	29
82	Binding Forces of Cellulose Binding Modules on Cellulosic Nanomaterials. Biomacromolecules, 2019, 20, 769-777.	5.4	29
83	The relation between solution association and surface activity of the hydrophobin HFBI fromTrichoderma reesei. FEBS Letters, 2007, 581, 2721-2726.	2.8	28
84	Adhesion and tribological properties of hydrophobin proteins in aqueous lubrication on stainless steel surfaces. RSC Advances, 2012, 2, 9867.	3.6	28
85	Enhanced Plastic Deformations of Nanofibrillated Cellulose Film by Adsorbed Moisture and Protein-Mediated Interactions. Biomacromolecules, 2015, 16, 311-318.	5.4	28
86	Molecular crowding facilitates assembly of spidroin-like proteins through phase separation. European Polymer Journal, 2019, 112, 539-546.	5.4	28
87	Controllable coacervation of recombinantly produced spider silk protein using kosmotropic salts. Journal of Colloid and Interface Science, 2020, 560, 149-160.	9.4	28
88	Solid-support immobilization of a â€œswingâ€•fusion protein for enhanced glucose oxidase catalytic activity. Colloids and Surfaces B: Biointerfaces, 2013, 112, 186-191.	5.0	27
89	Hydrophobin Film Structure for HFBI and HFBII and Mechanism for Accelerated Film Formation. PLoS Computational Biology, 2014, 10, e1003745.	3.2	27
90	Noncovalent Dispersion and Functionalization of Cellulose Nanocrystals with Proteins and Polysaccharides. Biomacromolecules, 2016, 17, 1458-1465.	5.4	27

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91	Genetic engineering in biomimetic composites. Trends in Biotechnology, 2012, 30, 191-197.	9.3	26
92	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, 8841-8844.	3.5	25
93	An environmental route of exposure affects the formation of nanoparticle coronas in blood plasma. Journal of Proteomics, 2016, 137, 52-58.	2.4	25
94	Self-assembly of Class II Hydrophobins on Polar Surfaces. Langmuir, 2012, 28, 4293-4300.	3.5	24
95	Hydrophobin: fluorosurfactant-like properties without fluorine. Soft Matter, 2013, 9, 6505.	2.7	24
96	Controlled communication between physically separated bacterial populations in a microfluidic device. Communications Biology, 2018, 1, 97.	4.4	24
97	Self-assembled structures of hydrophobins HFBI and HFBII. Journal of Applied Crystallography, 2003, 36, 499-502.	4.5	23
98	Laccase fromMelanocarpus albomycesbinds effectively to cellulose. FEBS Letters, 2004, 576, 251-255.	2.8	23
99	Modular Architecture of Protein Binding Units for Designing Properties of Cellulose Nanomaterials. Angewandte Chemie - International Edition, 2015, 54, 12025-12028.	13.8	23
100	Evaluating the potential of natural surfactants in the petroleum industry: the case of hydrophobins. Pure and Applied Chemistry, 2018, 90, 305-314.	1.9	22
101	Elastic and pH-Responsive Hybrid Interfaces Created with Engineered Resilin and Nanocellulose. Biomacromolecules, 2017, 18, 1866-1873.	5.4	21
102	Self-Assembling Proteinâ€“Polymer Bioconjugates for Surfaces with Antifouling Features and Low Nonspecific Binding. ACS Applied Materials & Interfaces, 2019, 11, 3599-3608.	8.0	21
103	Structure-Function Relationships in Hydrophobins: Probing the Role of Charged Side Chains. Applied and Environmental Microbiology, 2013, 79, 5533-5538.	3.1	19
104	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, 22-28.	1.3	19
105	Interfacial Behavior of Recombinant Spider Silk Protein Parts Reveals Cues on the Silk Assembly Mechanism. Langmuir, 2018, 34, 11795-11805.	3.5	19
106	Langmuirâ€“Blodgett films of hydrophobins HFBI and HFBII. Surface Science, 2005, 584, 35-40.	1.9	18
107	Silica&ndash;gentamicin nanohybrids: combating antibiotic resistance, bacterial biofilms, and in vivo toxicity. International Journal of Nanomedicine, 2018, Volume 13, 7939-7957.	6.7	18
108	Hollow nanoparticle nanotubes with a nanoscale brick wall structure of clay mineral platelets. Chemical Communications, 2007, , 1366.	4.1	17

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109	Hydrophobin as a Nanolayer Primer That Enables the Fluorinated Coating of Poorly Reactive Polymer Surfaces. Advanced Materials Interfaces, 2015, 2, 1500170.	3.7	17
110	Crystallization and preliminary X-ray characterization ofTrichoderma reeseihydrophobin HFBII. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 163-165.	2.5	16
111	Self-assembled films of hydrophobin protein HFBIII from Trichoderma reesei. Journal of Applied Crystallography, 2007, 40, s355-s360.	4.5	16
112	Cleavage of recombinant proteins at poly-His sequences by Co(II) and Cu(II). Protein Science, 2007, 16, 1751-1761.	7.6	16
113	Oscillating Ferrofluid Droplet Microrheology of Liquid-Immersed Sessile Droplets. Langmuir, 2017, 33, 6300-6306.	3.5	16
114	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.	8.3	16
115	Effect of oxidation on cellulose and water structure: a molecular dynamics simulation study. Cellulose, 2021, 28, 3917-3933.	4.9	16
116	Bioseparation of Recombinant Proteins from Plant Extract with Hydrophobin Fusion Technology. Methods in Molecular Biology, 2012, 824, 527-534.	0.9	15
117	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.	7.8	14
118	Novel Hydrophobin Fusion Tags for Plant-Produced Fusion Proteins. PLoS ONE, 2016, 11, e0164032.	2.5	14
119	Directing enzymatic cross-linking activity to the airâ€"water interface by a fusion protein approach. Soft Matter, 2013, 9, 1612-1619.	2.7	13
120	Modification of interfacial forces by hydrophobin HFBI. Soft Matter, 2013, 9, 10627.	2.7	13
121	Biological activity of multicomponent bio-hydrogels loaded with tragacanth gum. International Journal of Biological Macromolecules, 2022, 215, 691-704.	7.5	13
122	Exploring the mineralization of hydrophobins at a liquid interface. Soft Matter, 2012, 8, 11343.	2.7	12
123	Formation of ceramophilic chitin and biohybrid materials enabled by a genetically engineered bifunctional protein. Chemical Communications, 2014, 50, 7348-7351.	4.1	12
124	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.	7.8	12
125	Coacervation of resilin fusion proteins containing terminal functionalities. Colloids and Surfaces B: Biointerfaces, 2018, 171, 590-596.	5.0	12
126	Recombinant Spider Silk Protein and Delignified Wood Form a Strong Adhesive System. ACS Sustainable Chemistry and Engineering, 2022, 10, 552-561.	6.7	12

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127	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.	1.8	11
128	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, 2683-2691.	3.5	11
129	Interaction of transglutaminase with adsorbed and spread films of Î²-casein and Ðº-casein. Colloids and Surfaces B: Biointerfaces, 2015, 128, 254-260.	5.0	11
130	Modification of carbon nanotubes by amphiphilic glycosylated proteins. Journal of Colloid and Interface Science, 2018, 512, 318-324.	9.4	11
131	Electrical transport through ordered self-assembled protein monolayer measured by constant force conductive atomic force microscopy. Applied Physics Letters, 2009, 94, 183901.	3.3	10
132	Inâ€solution antibody harvesting with a plantâ€produced hydrophobinâ€“Protein A fusion. Plant Biotechnology Journal, 2018, 16, 404-414.	8.3	10
133	Analyzing the weak dimerization of a cellulose binding module by analytical ultracentrifugation. International Journal of Biological Macromolecules, 2020, 163, 1995-2004.	7.5	10
134	Self-Assembly of Silk-like Protein into Nanoscale Bicontinuous Networks under Phase-Separation Conditions. Biomacromolecules, 2021, 22, 690-700.	5.4	10
135	In vivo liquidâ€“liquid phase separation protects amyloidogenic and aggregationâ€prone peptides during overexpression in <scp><i>Escherichia coli</i></scp>. Protein Science, 2022, 31, e4292.	7.6	10
136	On the mechanism for the highly sensitive response of cellulose nanofiber hydrogels to the presence of ionic solutes. Cellulose, 2022, 29, 6109-6121.	4.9	10
137	Liquidâ€“Liquid Phase Separation and Assembly of Silk-like Proteins is Dependent on the Polymer Length. Biomacromolecules, 2022, 23, 3142-3153.	5.4	10
138	Molecular engineering of avidin and hydrophobin for functional self-assembling interfaces. Colloids and Surfaces B: Biointerfaces, 2014, 120, 102-109.	5.0	9
139	A synthetically modified hydrophobin showing enhanced fluorous affinity. Journal of Colloid and Interface Science, 2015, 448, 140-147.	9.4	9
140	Hydrophobins as aqueous lubricant additive for a soft sliding contact. Colloids and Surfaces B: Biointerfaces, 2015, 125, 264-269.	5.0	9
141	Electrochemical properties of honeycomb-like structured HFBI self-organized membranes on HOPG electrodes. Colloids and Surfaces B: Biointerfaces, 2014, 123, 803-808.	5.0	8
142	Recipe for squid beak. Nature Chemical Biology, 2015, 11, 455-456.	8.0	8
143	Labeled <i>Trichoderma reesei</i> Cellulase as a Marker for <i>Acanthamoeba</i> Cyst Wall Cellulose in Infected Tissues. Applied and Environmental Microbiology, 2009, 75, 6827-6830.	3.1	7
144	Engineered Hydrophobin for Biomimetic Mineralization of Functional Calcium Carbonate Microparticles. Journal of Biomaterials and Nanobiotechnology, 2014, 05, 1-7.	0.5	7

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145	The dynamics of multimer formation of the amphiphilic hydrophobin protein HFBII. Colloids and Surfaces B: Biointerfaces, 2017, 155, 111-117.	5.0	7
146	Selection and characterization of peptides binding to diamond-like carbon. Colloids and Surfaces B: Biointerfaces, 2013, 110, 66-73.	5.0	6
147	Fungal-type carbohydrate binding modules from the coccolithophore Emiliania huxleyi show binding affinity to cellulose and chitin. PLoS ONE, 2018, 13, e0197875.	2.5	6
148	Dynamic Assembly of Class II Hydrophobins from T. reesei at the Airâ€"Water Interface. Langmuir, 2019, 35, 9202-9212.	3.5	6
149	Interfacial Crystallization and Supramolecular Self-Assembly of Spider Silk Inspired Protein at the Water-Air Interface. Materials, 2021, 14, 4239.	2.9	6
150	The Structural Basis for Function in Diamond-like Carbon Binding Peptides. Langmuir, 2014, 30, 8798-8802.	3.5	5
151	Modular protein architectures for pH-dependent interactions and switchable assembly of nanocellulose. International Journal of Biological Macromolecules, 2019, 137, 270-276.	7.5	5
152	Different effects of carbohydrate binding modules on the viscoelasticity of nanocellulose gels. Biochemistry and Biophysics Reports, 2020, 22, 100766.	1.3	5
153	Emergence of Elastic Properties in a Minimalist Resilinâ€Derived Heptapeptide upon Bromination. Small, 2022, 18, .	10.0	5
154	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, 395-399.	5.0	4
155	Ohmic resistance of nickel infiltrated chromium oxide scales in solid oxide fuel cell metallic interconnects. Solid State Ionics, 2015, 283, 38-51.	2.7	4
156	Engineering of the Function of Diamond-like Carbon Binding Peptides through Structural Design. Biomacromolecules, 2015, 16, 476-482.	5.4	4
157	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
158	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, 2079-2087.	0.9	2
159	A Novel Laccase from the Ascomycete Melanocarpus albomyces. ACS Symposium Series, 2003, , 315-331.	0.5	1
160	Cellulases in Food Processing. , 2002, , .		1
161	Bioengineering. , 2020, , 193-208.		0