

# Markus B Linder

## 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.

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	In vivo liquid-liquid phase separation protects amyloidogenic and aggregation-prone peptides during overexpression in Escherichia coli.. <i>Protein Science</i> , <b>2022</b> , 31, e4292	6.3	0
158	Recombinant Spider Silk Protein and Delignified Wood Form a Strong Adhesive System. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 552-561	8.3	4
157	Effect of oxidation on cellulose and water structure: a molecular dynamics simulation study. <i>Cellulose</i> , <b>2021</b> , 28, 3917-3933	5.5	2
156	Nanocellulose: Recent Fundamental Advances and Emerging Biological and Biomimicking Applications. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004349	24	81
155	Self-Assembly of Silk-like Protein into Nanoscale Bicontinuous Networks under Phase-Separation Conditions. <i>Biomacromolecules</i> , <b>2021</b> , 22, 690-700	6.9	3
154	Analyzing the weak dimerization of a cellulose binding module by analytical ultracentrifugation. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 1995-2004	7.9	4
153	Sea star-inspired recombinant adhesive proteins self-assemble and adsorb on surfaces in aqueous environments to form cytocompatible coatings. <i>Acta Biomaterialia</i> , <b>2020</b> , 112, 62-74	10.8	9
152	Different effects of carbohydrate binding modules on the viscoelasticity of nanocellulose gels. <i>Biochemistry and Biophysics Reports</i> , <b>2020</b> , 22, 100766	2.2	2
151	Bioengineering <b>2020</b> , 193-208		
150	Modulating the Mechanical Performance of Macroscale Fibers through Shear-Induced Alignment and Assembly of Protein Nanofibrils. <i>Small</i> , <b>2020</b> , 16, e1904190	11	18
149	Three-Dimensional Printed Cell Culture Model Based on Spherical Colloidal Lignin Particles and Cellulose Nanofibril-Alginate Hydrogel. <i>Biomacromolecules</i> , <b>2020</b> , 21, 1875-1885	6.9	38
148	Controllable coacervation of recombinantly produced spider silk protein using kosmotropic salts. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 560, 149-160	9.3	4
147	Biomimetic composites with enhanced toughening using silk-inspired triblock proteins and aligned nanocellulose reinforcements. <i>Science Advances</i> , <b>2019</b> , 5, eaaw2541	14.3	37
146	Binding Forces of Cellulose Binding Modules on Cellulosic Nanomaterials. <i>Biomacromolecules</i> , <b>2019</b> , 20, 769-777	6.9	17
145	Dynamic Assembly of Class II Hydrophobins from at the Air-Water Interface. <i>Langmuir</i> , <b>2019</b> , 35, 9202-9212	12	3
144	Modular protein architectures for pH-dependent interactions and switchable assembly of nanocellulose. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 137, 270-276	7.9	5
143	Self-Assembling Protein-Polymer Bioconjugates for Surfaces with Antifouling Features and Low Nonspecific Binding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3599-3608	9.5	13

142	Methyl cellulose/cellulose nanocrystal nanocomposite fibers with high ductility. <i>European Polymer Journal</i> , <b>2019</b> , 112, 334-345	5.2	17
141	Molecular crowding facilitates assembly of spidroin-like proteins through phase separation. <i>European Polymer Journal</i> , <b>2019</b> , 112, 539-546	5.2	12
140	Advanced Materials through Assembly of Nanocelluloses. <i>Advanced Materials</i> , <b>2018</b> , 30, e1703779	24	340
139	Controlled biocide release from hierarchically-structured biogenic silica: surface chemistry to tune release rate and responsiveness. <i>Scientific Reports</i> , <b>2018</b> , 8, 5555	4.9	24
138	In-solution antibody harvesting with a plant-produced hydrophobin-Protein A fusion. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 404-414	11.6	7
137	Modification of carbon nanotubes by amphiphilic glycosylated proteins. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 512, 318-324	9.3	11
136	Controlled communication between physically separated bacterial populations in a microfluidic device. <i>Communications Biology</i> , <b>2018</b> , 1, 97	6.7	12
135	Coacervation of resilin fusion proteins containing terminal functionalities. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 171, 590-596	6	6
134	Evaluating the potential of natural surfactants in the petroleum industry: the case of hydrophobins. <i>Pure and Applied Chemistry</i> , <b>2018</b> , 90, 305-314	2.1	12
133	Silica-gentamicin nanohybrids: combating antibiotic resistance, bacterial biofilms, and in vivo toxicity. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 7939-7957	7.3	17
132	Fungal-type carbohydrate binding modules from the coccolithophore <i>Emiliana huxleyi</i> show binding affinity to cellulose and chitin. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197875	3.7	5
131	Interfacial Behavior of Recombinant Spider Silk Protein Parts Reveals Cues on the Silk Assembly Mechanism. <i>Langmuir</i> , <b>2018</b> , 34, 11795-11805	4	10
130	Self-Coacervation of a Silk-Like Protein and Its Use As an Adhesive for Cellulosic Materials. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 1120-1125	6.6	18
129	Phase transitions as intermediate steps in the formation of molecularly engineered protein fibers. <i>Communications Biology</i> , <b>2018</b> , 1, 86	6.7	31
128	Complexes of Magnetic Nanoparticles with Cellulose Nanocrystals as Regenerable, Highly Efficient, and Selective Platform for Protein Separation. <i>Biomacromolecules</i> , <b>2017</b> , 18, 898-905	6.9	40
127	Self-Assembly of Native Cellulose Nanostructures <b>2017</b> , 123-174		7
126	The dynamics of multimer formation of the amphiphilic hydrophobin protein HFBII. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 155, 111-117	6	7
125	Elastic and pH-Responsive Hybrid Interfaces Created with Engineered Resilin and Nanocellulose. <i>Biomacromolecules</i> , <b>2017</b> , 18, 1866-1873	6.9	15

124	Oscillating Ferrofluid Droplet Microrheology of Liquid-Immersed Sessile Droplets. <i>Langmuir</i> , <b>2017</b> , 33, 6300-6306	4	9
123	Retention of lysozyme activity by physical immobilization in nanocellulose aerogels and antibacterial effects. <i>Cellulose</i> , <b>2017</b> , 24, 2837-2848	5.5	25
122	Aligning cellulose nanofibril dispersions for tougher fibers. <i>Scientific Reports</i> , <b>2017</b> , 7, 11860	4.9	52
121	High-yield fermentation and a novel heat-precipitation purification method for hydrophobin HGFI from <i>Grifola frondosa</i> in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , <b>2016</b> , 128, 22-8	2	13
120	Binding of cellulose binding modules reveal differences between cellulose substrates. <i>Scientific Reports</i> , <b>2016</b> , 6, 35358	4.9	23
119	Noncovalent Dispersion and Functionalization of Cellulose Nanocrystals with Proteins and Polysaccharides. <i>Biomacromolecules</i> , <b>2016</b> , 17, 1458-65	6.9	21
118	Graphene Biosensor Programming with Genetically Engineered Fusion Protein Monolayers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8257-64	9.5	47
117	An environmental route of exposure affects the formation of nanoparticle coronas in blood plasma. <i>Journal of Proteomics</i> , <b>2016</b> , 137, 52-8	3.9	20
116	Novel Hydrophobin Fusion Tags for Plant-Produced Fusion Proteins. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164032	3.7	14
115	Interaction of transglutaminase with adsorbed and spread films of Ecasein and Ecasein. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 128, 254-260	6	10
114	A synthetically modified hydrophobin showing enhanced fluororous affinity. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 448, 140-7	9.3	8
113	A model-based approach for current voltage analyses to quantify degradation and fuel distribution in solid oxide fuel cell stacks. <i>Journal of Power Sources</i> , <b>2015</b> , 288, 409-418	8.9	9
112	Hydrophobins as aqueous lubricant additive for a soft sliding contact. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 125, 264-9	6	9
111	Charge-based engineering of hydrophobin HFBI: effect on interfacial assembly and interactions. <i>Biomacromolecules</i> , <b>2015</b> , 16, 1283-92	6.9	25
110	Engineering of the function of diamond-like carbon binding peptides through structural design. <i>Biomacromolecules</i> , <b>2015</b> , 16, 476-82	6.9	2
109	Enhanced plastic deformations of nanofibrillated cellulose film by adsorbed moisture and protein-mediated interactions. <i>Biomacromolecules</i> , <b>2015</b> , 16, 311-8	6.9	24
108	Modular architecture of protein binding units for designing properties of cellulose nanomaterials. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12025-8	16.4	23
107	Hydrophobin as a Nanolayer Primer That Enables the Fluorinated Coating of Poorly Reactive Polymer Surfaces. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1500170	4.6	15

106	Biomaterials: Recipe for squid beak. <i>Nature Chemical Biology</i> , <b>2015</b> , 11, 455-6	11.7	6
105	Modular Architecture of Protein Binding Units for Designing Properties of Cellulose Nanomaterials. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12193-12196	3.6	7
104	The Effect of Hydrophobin Protein on Conductive Properties of Carbon Nanotube Field-Effect Transistors: First Study on Sensing Mechanism. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 2079-87	1.3	2
103	Ohmic resistance of nickel infiltrated chromium oxide scales in solid oxide fuel cell metallic interconnects. <i>Solid State Ionics</i> , <b>2015</b> , 283, 38-51	3.3	3
102	Formation of ceramophilic chitin and biohybrid materials enabled by a genetically engineered bifunctional protein. <i>Chemical Communications</i> , <b>2014</b> , 50, 7348-51	5.8	12
101	Model-based prediction of the ohmic resistance of metallic interconnects from oxide scale growth based on scanning electron microscopy. <i>Journal of Power Sources</i> , <b>2014</b> , 272, 595-605	8.9	11
100	The structural basis for function in diamond-like carbon binding peptides. <i>Langmuir</i> , <b>2014</b> , 30, 8798-802	4	4
99	Molecular engineering of avidin and hydrophobin for functional self-assembling interfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 120, 102-9	6	7
98	Structural characterization and tribological evaluation of quince seed mucilage. <i>Tribology International</i> , <b>2014</b> , 77, 24-31	4.9	29
97	Hydrophobin film structure for HFBI and HFBII and mechanism for accelerated film formation. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003745	5	22
96	Electrochemical properties of honeycomb-like structured HFBI self-organized membranes on HOPG electrodes. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 123, 803-8	6	8
95	Effect of operational conditions and environment on lubricity of hydrophobins in water based lubrication systems. <i>Tribology - Materials, Surfaces and Interfaces</i> , <b>2014</b> , 8, 241-247	1.4	2
94	Engineered Hydrophobin for Biomimetic Mineralization of Functional Calcium Carbonate Microparticles. <i>Journal of Biomaterials and Nanobiotechnology</i> , <b>2014</b> , 05, 1-7	1	6
93	Evaluation of drug interactions with nanofibrillar cellulose. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2013</b> , 85, 1238-44	5.7	43
92	Kinetic and equilibrium aspects of adsorption and desorption of class II hydrophobins HFBI and HFBII at silicon oxynitride/water and air/water interfaces. <i>Langmuir</i> , <b>2013</b> , 29, 2683-91	4	10
91	Cr <sub>2</sub> O <sub>3</sub> scale growth rates on metallic interconnectors derived from 40,000h solid oxide fuel cell stack operation. <i>Journal of Power Sources</i> , <b>2013</b> , 243, 508-518	8.9	28
90	Solid-support immobilization of a "swing" fusion protein for enhanced glucose oxidase catalytic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 112, 186-91	6	26
89	Hydrophobin: fluorosurfactant-like properties without fluorine. <i>Soft Matter</i> , <b>2013</b> , 9, 6505	3.6	21

88	Directing enzymatic cross-linking activity to the air/water interface by a fusion protein approach. <i>Soft Matter</i> , <b>2013</b> , 9, 1612-1619	3.6	10
87	Structure-function relationships in hydrophobins: probing the role of charged side chains. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 5533-8	4.8	18
86	Modification of interfacial forces by hydrophobin HFBI. <i>Soft Matter</i> , <b>2013</b> , 9, 10627	3.6	12
85	The role of hemicellulose in nanofibrillated cellulose networks. <i>Soft Matter</i> , <b>2013</b> , 9, 1319-1326	3.6	86
84	Selection and characterization of peptides binding to diamond-like carbon. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 110, 66-73	6	6
83	Drug release from nanoparticles embedded in four different nanofibrillar cellulose aerogels. <i>European Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 50, 69-77	5.1	181
82	The mucoadhesive and gastroretentive properties of hydrophobin-coated porous silicon nanoparticle oral drug delivery systems. <i>Biomaterials</i> , <b>2012</b> , 33, 3353-62	15.6	112
81	Genetic engineering in biomimetic composites. <i>Trends in Biotechnology</i> , <b>2012</b> , 30, 191-7	15.1	23
80	Bioseparation of recombinant proteins from plant extract with hydrophobin fusion technology. <i>Methods in Molecular Biology</i> , <b>2012</b> , 824, 527-34	1.4	13
79	Intravenous delivery of hydrophobin-functionalized porous silicon nanoparticles: stability, plasma protein adsorption and biodistribution. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 654-63	5.6	131
78	Exploring the mineralization of hydrophobins at a liquid interface. <i>Soft Matter</i> , <b>2012</b> , 8, 11343	3.6	10
77	Adhesion and tribological properties of hydrophobin proteins in aqueous lubrication on stainless steel surfaces. <i>RSC Advances</i> , <b>2012</b> , 2, 9867	3.7	24
76	Self-assembly of class II hydrophobins on polar surfaces. <i>Langmuir</i> , <b>2012</b> , 28, 4293-300	4	21
75	Facile method for stiff, tough, and strong nanocomposites by direct exfoliation of multilayered graphene into native nanocellulose matrix. <i>Biomacromolecules</i> , <b>2012</b> , 13, 1093-9	6.9	107
74	Immobilization-stabilization of proteins on nanofibrillated cellulose derivatives and their bioactive film formation. <i>Biomacromolecules</i> , <b>2012</b> , 13, 594-603	6.9	92
73	Cellular interactions of surface modified nanoporous silicon particles. <i>Nanoscale</i> , <b>2012</b> , 4, 3184-92	7.7	59
72	Identification and characterization of gushing-active hydrophobins from <i>Fusarium graminearum</i> and related species. <i>Journal of Basic Microbiology</i> , <b>2012</b> , 52, 184-94	2.7	27
71	Self-assembly of cellulose nanofibrils by genetically engineered fusion proteins. <i>Soft Matter</i> , <b>2011</b> , 7, 2402	3.6	63

70	Immobilization of protein-coated drug nanoparticles in nanofibrillar cellulose matrices--enhanced stability and release. <i>Journal of Controlled Release</i> , <b>2011</b> , 156, 390-7	11.7	115
69	Functional hydrophobin-coating of thermally hydrocarbonized porous silicon microparticles. <i>Biomaterials</i> , <b>2011</b> , 32, 9089-99	15.6	64
68	Ordered nano-structure of a stamped self-organized protein layer on a HOPG surface using a HFB carrier. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 84, 395-9	6	4
67	Functionalization of nanofibrillated cellulose with silver nanoclusters: fluorescence and antibacterial activity. <i>Macromolecular Bioscience</i> , <b>2011</b> , 11, 1185-91	5.5	109
66	Genetic Engineering of Biomimetic Nanocomposites: Diblock Proteins, Graphene, and Nanofibrillated Cellulose. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8847-8850	3.6	15
65	Genetic engineering of biomimetic nanocomposites: diblock proteins, graphene, and nanofibrillated cellulose. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8688-91	16.4	125
64	Quantitative assessment of the enzymatic degradation of amorphous cellulose by using a quartz crystal microbalance with dissipation monitoring. <i>Langmuir</i> , <b>2011</b> , 27, 8819-28	4	42
63	Biomimetic approach to water lubrication with biomolecular additives. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , <b>2011</b> , 225, 1013-1022	1.4	10
62	Hydrophobin fusions for high-level transient protein expression and purification in <i>Nicotiana benthamiana</i> . <i>Plant Physiology</i> , <b>2010</b> , 152, 622-33	6.6	128
61	Mechanisms of protein adhesion on surface films of hydrophobin. <i>Langmuir</i> , <b>2010</b> , 26, 8491-6	4	70
60	Multifunctional hydrophobin: toward functional coatings for drug nanoparticles. <i>ACS Nano</i> , <b>2010</b> , 4, 1750-8	10.7	114
59	Interfacial engineering by proteins: exfoliation and functionalization of graphene by hydrophobins. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 4946-9	16.4	146
58	Hydrophilic modification of polystyrene with hydrophobin for time-resolved immunofluorometric assay. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 1074-9	11.8	39
57	Electrical transport through ordered self-assembled protein monolayer measured by constant force conductive atomic force microscopy. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 183901	3.4	9
56	Labeled <i>Trichoderma reesei</i> cellulase as a marker for <i>Acanthamoeba</i> cyst wall cellulose in infected tissues. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 6827-30	4.8	4
55	Hydrophobins: Proteins that self assemble at interfaces. <i>Current Opinion in Colloid and Interface Science</i> , <b>2009</b> , 14, 356-363	7.6	290
54	Effect of transglutaminase-induced cross-linking of sodium caseinate on the properties of equilibrated interfaces and foams. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 344, 79-85	5.1	31
53	Self-assembled films of hydrophobin proteins HFBI and HFBII studied in situ at the air/water interface. <i>Langmuir</i> , <b>2009</b> , 25, 1612-9	4	69



52	The amphiphilic protein HFBII as a genetically taggable molecular carrier for the formation of a self-organized functional protein layer on a solid surface. <i>Langmuir</i> , <b>2009</b> , 25, 8841-4	4	23
51	Selective nanopatterning using citrate-stabilized Au nanoparticles and cystein-modified amphiphilic protein. <i>Langmuir</i> , <b>2009</b> , 25, 5185-92	4	30
50	Interactions of hydrophobin proteins in solution studied by small-angle X-ray scattering. <i>Biophysical Journal</i> , <b>2008</b> , 94, 198-206	2.9	46
49	Hydrophobin (HFBI): A potential fusion partner for one-step purification of recombinant proteins from insect cells. <i>Protein Expression and Purification</i> , <b>2008</b> , 59, 18-24	2	32
48	Protein HGFI from the edible mushroom <i>Grifola frondosa</i> is a novel 8 kDa class I hydrophobin that forms rodlets in compressed monolayers. <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 1677-1685	2.9	41
47	Hollow nanoparticle nanotubes with a nanoscale brick wall structure of clay mineral platelets. <i>Chemical Communications</i> , <b>2007</b> , 1366-8	5.8	15
46	Controlled hybrid nanostructures through protein-mediated noncovalent functionalization of carbon nanotubes. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6446-9	16.4	65
45	Heterologous expression of <i>Melanocarpus albomyces</i> cellobiohydrolase Cel7B, and random mutagenesis to improve its thermostability. <i>Enzyme and Microbial Technology</i> , <b>2007</b> , 41, 234-243	3.8	36
44	Self-assembled films of hydrophobin protein HFBIII from <i>Trichoderma reesei</i> . <i>Journal of Applied Crystallography</i> , <b>2007</b> , 40, s355-s360	3.8	14
43	Cleavage of recombinant proteins at poly-His sequences by Co(II) and Cu(II). <i>Protein Science</i> , <b>2007</b> , 16, 1751-61	6.3	15
42	Crystal structures of hydrophobin HFBII in the presence of detergent implicate the formation of fibrils and monolayer films. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 28733-28739	5.4	48
41	Precisely defined protein-polymer conjugates: construction of synthetic DNA binding domains on proteins by using multivalent dendrons. <i>ACS Nano</i> , <b>2007</b> , 1, 103-13	16.7	69
40	The relation between solution association and surface activity of the hydrophobin HFBI from <i>Trichoderma reesei</i> . <i>FEBS Letters</i> , <b>2007</b> , 581, 2721-6	3.8	26
39	Self-assembled hydrophobin protein films at the air-water interface: structural analysis and molecular engineering. <i>Biochemistry</i> , <b>2007</b> , 46, 2345-54	3.2	141
38	Cyclic nucleotide specific phosphodiesterases of <i>Leishmania major</i> . <i>BMC Microbiology</i> , <b>2006</b> , 6, 25	4.5	34
37	Multivalent dendrons for high-affinity adhesion of proteins to DNA. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 3538-42	16.4	60
36	Multivalent Dendrons for High-Affinity Adhesion of Proteins to DNA. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 3618-3622	3.6	17
35	Interaction and comparison of a class I hydrophobin from <i>Schizophyllum commune</i> and class II hydrophobins from <i>Trichoderma reesei</i> . <i>Biomacromolecules</i> , <b>2006</b> , 7, 1295-301	6.9	121



34	Behavior of <i>Trichoderma reesei</i> hydrophobins in solution: interactions, dynamics, and multimer formation. <i>Biochemistry</i> , <b>2006</b> , 45, 8590-8	3.2	70
33	Hydrophobin HFBII in detail: ultrahigh-resolution structure at 0.75 Å. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2006</b> , 62, 356-67		65
32	Two crystal structures of <i>Trichoderma reesei</i> hydrophobin HFBI—the structure of a protein amphiphile with and without detergent interaction. <i>Protein Science</i> , <b>2006</b> , 15, 2129-40	6.3	141
31	Fungal Hydrophobins as Predictors of the Gushing Activity of Malt. <i>Journal of the Institute of Brewing</i> , <b>2005</b> , 111, 105-111	2	85
30	Langmuir-Blodgett films of hydrophobins HFBI and HFBII. <i>Surface Science</i> , <b>2005</b> , 584, 35-40	1.8	18
29	Hydrophobins: the protein-amphiphiles of filamentous fungi. <i>FEMS Microbiology Reviews</i> , <b>2005</b> , 29, 877-96.1	15.1	453
28	Crystallization and preliminary X-ray characterization of <i>Trichoderma reesei</i> hydrophobin HFBII. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 163-5		16
27	Atomic force microscopy study of cellulose surface interaction controlled by cellulose binding domains. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2004</b> , 35, 125-35	6	34
26	Atomic resolution structure of the HFBII hydrophobin, a self-assembling amphiphile. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 534-9	5.4	191
25	Laccase from <i>Melanocarpus albomyces</i> binds effectively to cellulose. <i>FEBS Letters</i> , <b>2004</b> , 576, 251-5	3.8	21
24	Efficient purification of recombinant proteins using hydrophobins as tags in surfactant-based two-phase systems. <i>Biochemistry</i> , <b>2004</b> , 43, 11873-82	3.2	101
23	A Novel Laccase from the Ascomycete <i>Melanocarpus albomyces</i> . <i>ACS Symposium Series</i> , <b>2003</b> , 315-331	0.4	1
22	Self-assembled structures of hydrophobins HFBI and HFBII. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 499-502	3.8	21
21	Structural hierarchy in molecular films of two class II hydrophobins. <i>Biochemistry</i> , <b>2003</b> , 42, 5253-8	3.2	109
20	The binding specificity and affinity determinants of family 1 and family 3 cellulose binding modules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 484-9	11.5	276
19	Surface adhesion of fusion proteins containing the hydrophobins HFBI and HFBII from <i>Trichoderma reesei</i> . <i>Protein Science</i> , <b>2002</b> , 11, 2257-66	6.3	99
18	Expression of a fungal hydrophobin in the <i>Saccharomyces cerevisiae</i> cell wall: effect on cell surface properties and immobilization. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 3385-91	4.8	29
17	Use of recombinant cellulose-binding domains of <i>Trichoderma reesei</i> cellulase as a selective immunocytochemical marker for cellulose in protozoa. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 2503-8	4.8	27

16	Aggregation and self-assembly of hydrophobins from <i>Trichoderma reesei</i> : low-resolution structural models. <i>Biophysical Journal</i> , <b>2002</b> , 83, 2240-7	2.9	93
15	A novel two-step extraction method with detergent/polymer systems for primary recovery of the fusion protein endoglucanase I-hydrophobin I. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2002</b> , 1569, 139-50	4	41
14	Efficient enantioselective separation of drug enantiomers by immobilised antibody fragments. <i>Journal of Chromatography A</i> , <b>2001</b> , 925, 89-97	4.5	47
13	The hydrophobins HFBI and HFBII from <i>Trichoderma reesei</i> showing efficient interactions with nonionic surfactants in aqueous two-phase systems. <i>Biomacromolecules</i> , <b>2001</b> , 2, 511-7	6.9	122
12	Widely different off rates of two closely related cellulose-binding domains from <i>Trichoderma reesei</i> . <i>FEBS Journal</i> , <b>1999</b> , 262, 637-43		66
11	Design of a pH-dependent cellulose-binding domain. <i>FEBS Letters</i> , <b>1999</b> , 447, 13-6	3.8	31
10	Dynamic interaction of <i>Trichoderma reesei</i> cellobiohydrolases Cel6A and Cel7A and cellulose at equilibrium and during hydrolysis. <i>Applied and Environmental Microbiology</i> , <b>1999</b> , 65, 5229-33	4.8	94
9	Solution structure of the cellulose-binding domain of endoglucanase I from <i>Trichoderma reesei</i> and its interaction with cello-oligosaccharides. <i>FEBS Journal</i> , <b>1998</b> , 256, 279-86		46
8	Improved immobilization of fusion proteins via cellulose-binding domains. <i>Biotechnology and Bioengineering</i> , <b>1998</b> , 60, 642-7	4.9	33
7	The roles and function of cellulose-binding domains. <i>Journal of Biotechnology</i> , <b>1997</b> , 57, 15-28	3.7	282
6	<i>Trichoderma reesei</i> cellobiohydrolase I with an endoglucanase cellulose-binding domain: action on bacterial microcrystalline cellulose. <i>Journal of Biotechnology</i> , <b>1997</b> , 57, 49-57	3.7	58
5	Interaction between cellohexaose and cellulose binding domains from <i>Trichoderma reesei</i> cellulases. <i>FEBS Letters</i> , <b>1997</b> , 407, 291-6	3.8	40
4	Three-dimensional structures of three engineered cellulose-binding domains of cellobiohydrolase I from <i>Trichoderma reesei</i> . <i>Protein Science</i> , <b>1997</b> , 6, 294-303	6.3	62
3	Characterization of a double cellulose-binding domain. Synergistic high affinity binding to crystalline cellulose. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 21268-72	5.4	104
2	Identification of functionally important amino acids in the cellulose-binding domain of <i>Trichoderma reesei</i> cellobiohydrolase I. <i>Protein Science</i> , <b>1995</b> , 4, 1056-64	6.3	170
1	The difference in affinity between two fungal cellulose-binding domains is dominated by a single amino acid substitution. <i>FEBS Letters</i> , <b>1995</b> , 372, 96-8	3.8	90