

David B Wilson

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11381973/david-b-wilson-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

140
papers

7,578
citations

50
h-index

82
g-index

140
ext. papers

8,019
ext. citations

4.5
avg, IF

6.17
L-index

#	Paper	IF	Citations
140	Cellulases and biofuels. <i>Current Opinion in Biotechnology</i> , 2009 , 20, 295-9	11.4	351
139	Why are ruminal cellulolytic bacteria unable to digest cellulose at low pH?. <i>Journal of Dairy Science</i> , 1996 , 79, 1503-9	4	339
138	Structure and mechanism of endo/exocellulase E4 from <i>Thermomonospora fusca</i> . <i>Nature Structural Biology</i> , 1997 , 4, 810-8		309
137	Activity studies of eight purified cellulases: Specificity, synergism, and binding domain effects. <i>Biotechnology and Bioengineering</i> , 1993 , 42, 1002-13	4.9	306
136	Microbial diversity of cellulose hydrolysis. <i>Current Opinion in Microbiology</i> , 2011 , 14, 259-63	7.9	235
135	Identification of two functionally different classes of exocellulases. <i>Biochemistry</i> , 1996 , 35, 586-92	3.2	220
134	Crystal structure of the catalytic domain of a thermophilic endocellulase. <i>Biochemistry</i> , 1993 , 32, 9906-16	3.2	202
133	Roles of the catalytic domain and two cellulose binding domains of <i>Thermomonospora fusca</i> E4 in cellulose hydrolysis. <i>Journal of Bacteriology</i> , 1998 , 180, 1709-14	3.5	172
132	Genome sequence of the cellulolytic gliding bacterium <i>Cytophaga hutchinsonii</i> . <i>Applied and Environmental Microbiology</i> , 2007 , 73, 3536-46	4.8	170
131	Genome sequence and analysis of the soil cellulolytic actinomycete <i>Thermobifida fusca</i> YX. <i>Journal of Bacteriology</i> , 2007 , 189, 2477-86	3.5	167
130	Three microbial strategies for plant cell wall degradation. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1125, 289-97	6.5	142
129	Quantitative determination of noncovalent binding interactions using automated nanoelectrospray mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 3010-8	7.8	141
128	Studies of <i>Thermobifida fusca</i> plant cell wall degrading enzymes. <i>Chemical Record</i> , 2004 , 4, 72-82	6.6	131
127	Purification and characterization of two .beta.-1,4-endoglucanases from <i>Thermomonospora fusca</i> . <i>Biochemistry</i> , 1985 , 24, 7797-7804	3.2	124
126	Processivity, substrate binding, and mechanism of cellulose hydrolysis by <i>Thermobifida fusca</i> Cel9A. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 3165-72	4.8	121
125	Cloning, expression and characterization of a family 48 exocellulase, Cel48A, from <i>Thermobifida fusca</i> . <i>FEBS Journal</i> , 2000 , 267, 4988-97		109
124	Expression of an <i>Aspergillus niger</i> phytase gene (phyA) in <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 1999 , 65, 1915-8	4.8	99

123	Biochemistry and genetics of actinomycete cellulases. <i>Critical Reviews in Biotechnology</i> , 1992 , 12, 45-63	9.4	98
122	Cellulase-xylanase synergy in designer cellulosomes for enhanced degradation of a complex cellulosic substrate. <i>MBio</i> , 2010 , 1,	7.8	90
121	Kinetic studies of <i>Thermobifida fusca</i> Cel9A active site mutant enzymes. <i>Biochemistry</i> , 2004 , 43, 9655-63	3.2	89
120	Deconstruction of lignocellulose into soluble sugars by native and designer cellulosomes. <i>MBio</i> , 2012 , 3,	7.8	84
119	Characterization of a <i>Thermomonospora fusca</i> exocellulase. <i>Biochemistry</i> , 1995 , 34, 3386-95	3.2	83
118	Cloning of the <i>Thermomonospora fusca</i> Endoglucanase E2 Gene in <i>Streptomyces lividans</i> : Affinity Purification and Functional Domains of the Cloned Gene Product. <i>Applied and Environmental Microbiology</i> , 1988 , 54, 2521-6	4.8	83
117	Regulation and characterization of <i>Thermobifida fusca</i> carbohydrate-binding module proteins E7 and E8. <i>Biotechnology and Bioengineering</i> , 2008 , 100, 1066-77	4.9	81
116	Genetic engineering of bacteria and their potential for Hg ²⁺ bioremediation. <i>Biodegradation</i> , 1997 , 8, 97-103	4.1	77
115	Substrate heterogeneity causes the nonlinear kinetics of insoluble cellulose hydrolysis. <i>Biotechnology and Bioengineering</i> , 1999 , 66, 35-41	4.9	75
114	Comparing the thermodynamic stabilities of a related thermophilic and mesophilic enzyme. <i>Biochemistry</i> , 1999 , 38, 2570-6	3.2	74
113	Site-directed mutation of noncatalytic residues of <i>Thermobifida fusca</i> exocellulase Cel6B. <i>FEBS Journal</i> , 2000 , 267, 3101-15		72
112	Release of periplasmic enzymes and other physiological effects of beta-lactamase overproduction in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 1988 , 32, 741-8	4.9	71
111	Effect of digestion by pure cellulases on crystallinity and average chain length for bacterial and microcrystalline celluloses. <i>Cellulose</i> , 2007 , 14, 283-293	5.5	68
110	Cloning and biochemical characterization of BglC, a beta-glucosidase from the cellulolytic actinomycete <i>Thermobifida fusca</i> . <i>Current Microbiology</i> , 2001 , 42, 295-301	2.4	68
109	Glycoside hydrolases: catalytic base/nucleophile diversity. <i>Biotechnology and Bioengineering</i> , 2010 , 107, 195-205	4.9	66
108	Chorismate mutase-prephenate dehydratase from <i>Escherichia coli</i> . Study of catalytic and regulatory domains using genetically engineered proteins. <i>Journal of Biological Chemistry</i> , 1998 , 273, 6248-53	5.4	66
107	Expression of thermostable microbial cellulases in the chloroplasts of nicotine-free tobacco. <i>Journal of Biotechnology</i> , 2007 , 131, 362-9	3.7	65
106	Effect of linker length and dockerin position on conversion of a <i>Thermobifida fusca</i> endoglucanase to the cellulosomal mode. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 7335-42	4.8	63

105	Processivity, synergism, and substrate specificity of <i>Thermobifida fusca</i> Cel6B. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 6655-61	4.8	62
104	Enhanced cellulose degradation by nano-complexed enzymes: Synergism between a scaffold-linked exoglucanase and a free endoglucanase. <i>Journal of Biotechnology</i> , 2010 , 147, 205-11	3.7	61
103	Tracking temporal changes of bacterial community fingerprints during the initial stages of composting. <i>FEMS Microbiology Ecology</i> , 2003 , 46, 1-9	4.3	61
102	Cooperative and competitive binding in synergistic mixtures of <i>Thermobifida fusca</i> cellulases Cel5A, Cel6B, and Cel9A. <i>Biotechnology Progress</i> , 2002 , 18, 760-9	2.8	60
101	Conversion of <i>Thermobifida fusca</i> free exoglucanases into cellulosomal components: comparative impact on cellulose-degrading activity. <i>Journal of Biotechnology</i> , 2008 , 135, 351-7	3.7	59
100	A comparison of nLC-ESI-MS/MS and nLC-MALDI-MS/MS for GeLC-based protein identification and iTRAQ-based shotgun quantitative proteomics. <i>Journal of Biomolecular Techniques</i> , 2007 , 18, 226-37	1.1	59
99	Cloning, expression and characterization of a family-74 xyloglucanase from <i>Thermobifida fusca</i> . <i>FEBS Journal</i> , 2003 , 270, 3083-91		56
98	Cloning, expression, and characterization of cadmium and manganese uptake genes from <i>Lactobacillus plantarum</i> . <i>Applied and Environmental Microbiology</i> , 1999 , 65, 4746-52	4.8	55
97	Characterization of cellulose crystallinity after enzymatic treatment using Fourier transform infrared spectroscopy (FTIR). <i>Cellulose</i> , 2018 , 25, 37-48	5.5	55
96	Effect of cellulase mole fraction and cellulose recalcitrance on synergism in cellulose hydrolysis and binding. <i>Biotechnology Progress</i> , 2006 , 22, 270-7	2.8	54
95	Construction and characterization of an <i>Escherichia coli</i> strain genetically engineered for Ni(II) bioaccumulation. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 5383-6	4.8	54
94	Recombinant expression and enzymatic characterization of PttCel9A, a KOR homologue from <i>Populus tremula x tremuloides</i> . <i>Biochemistry</i> , 2004 , 43, 10080-9	3.2	53
93	Evidence for a novel mechanism of microbial cellulose degradation. <i>Cellulose</i> , 2009 , 16, 723-727	5.5	51
92	Assembly of xylanases into designer cellulosomes promotes efficient hydrolysis of the xylan component of a natural recalcitrant cellulosic substrate. <i>MBio</i> , 2011 , 2,	7.8	51
91	Processive and nonprocessive cellulases for biofuel production--lessons from bacterial genomes and structural analysis. <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 497-502	5.7	50
90	Cellulases of <i>Thermomonospora fusca</i> . <i>Methods in Enzymology</i> , 1988 , 160, 314-323	1.7	50
89	A tomato endo-beta-1,4-glucanase, SlCel9C1, represents a distinct subclass with a new family of carbohydrate binding modules (CBM49). <i>Journal of Biological Chemistry</i> , 2007 , 282, 12066-74	5.4	48
88	Surface residue mutations which change the substrate specificity of <i>Thermomonospora fusca</i> endoglucanase E2. <i>Journal of Biotechnology</i> , 1997 , 57, 101-13	3.7	47

87	Characterization and cloning of celR, a transcriptional regulator of cellulase genes from <i>Thermomonospora fusca</i> . <i>Journal of Biological Chemistry</i> , 1999 , 274, 13127-32	5.4	47
86	Contribution of a xylan-binding module to the degradation of a complex cellulosic substrate by designer cellulosomes. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 3787-96	4.8	46
85	Hg ²⁺ removal by genetically engineered <i>Escherichia coli</i> in a hollow fiber bioreactor. <i>Biotechnology Progress</i> , 1998 , 14, 667-71	2.8	46
84	Regulation of beta-1,4-Endoglucanase Synthesis in <i>Thermomonospora fusca</i> . <i>Applied and Environmental Microbiology</i> , 1987 , 53, 1352-7	4.8	46
83	Regulation of biosynthesis of individual cellulases in <i>Thermomonospora fusca</i> . <i>Journal of Bacteriology</i> , 1998 , 180, 3529-32	3.5	46
82	<i>Thermobifida fusca</i> family-6 cellulases as potential designer cellulosome components. <i>Biocatalysis and Biotransformation</i> , 2006 , 24, 3-12	2.5	45
81	Phenolic extraction from apple peel by cellulases from <i>Thermobifida fusca</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 9560-5	5.7	44
80	Mechanistic studies of active site mutants of <i>Thermomonospora fusca</i> endocellulase E2. <i>Biochemistry</i> , 1999 , 38, 9746-51	3.2	44
79	Effects of noncatalytic residue mutations on substrate specificity and ligand binding of <i>Thermobifida fusca</i> endocellulase cel6A. <i>FEBS Journal</i> , 2000 , 267, 244-52		43
78	A new thermostable endoglucanase, <i>Acidothermus cellulolyticus</i> E1. <i>Applied Biochemistry and Biotechnology</i> , 1994 , 45-46, 245-256	3.2	43
77	Crystal structure of <i>Thermobifida fusca</i> endoglucanase Cel6A in complex with substrate and inhibitor: the role of tyrosine Y73 in substrate ring distortion. <i>Biochemistry</i> , 2005 , 44, 12915-22	3.2	42
76	Regulation of phenylalanine biosynthesis. Studies on the mechanism of phenylalanine binding and feedback inhibition in the <i>Escherichia coli</i> P-protein. <i>Biochemistry</i> , 1999 , 38, 12212-7	3.2	42
75	Source of energy for the <i>Escherichia coli</i> galactose transport systems induced by galactose. <i>Journal of Bacteriology</i> , 1974 , 120, 866-71	3.5	42
74	Expression of a <i>Thermomonospora fusca</i> Cellulase Gene in <i>Streptomyces lividans</i> and <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 1987 , 53, 1470-5	4.8	39
73	Site-directed mutagenesis of monofunctional chorismate mutase engineered from the <i>E. coli</i> P-protein. <i>Bioorganic and Medicinal Chemistry</i> , 1996 , 4, 1015-20	3.4	37
72	Increased crystalline cellulose activity via combinations of amino acid changes in the family 9 catalytic domain and family 3c cellulose binding module of <i>Thermobifida fusca</i> Cel9A. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 2582-8	4.8	36
71	Synergism in binary mixtures of <i>Thermobifida fusca</i> cellulases Cel6B, Cel9A, and Cel5A on BMCC and Avicel. <i>Applied Biochemistry and Biotechnology</i> , 2002 , 101, 97-111	3.2	36
70	Factorial optimization of a six-cellulase mixture. <i>Biotechnology and Bioengineering</i> , 1998 , 58, 494-501	4.9	35

69	Proteomic and transcriptomic analysis of extracellular proteins and mRNA levels in <i>Thermobifida fusca</i> grown on cellobiose and glucose. <i>Journal of Bacteriology</i> , 2007 , 189, 6260-5	3.5	35
68	Selective cadmium accumulation using recombinant <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2005 , 99, 109-14	3.3	35
67	Characterization of cadmium uptake in <i>Lactobacillus plantarum</i> and isolation of cadmium and manganese uptake mutants. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 4741-5	4.8	35
66	Cel48A from <i>Thermobifida fusca</i> : structure and site directed mutagenesis of key residues. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 664-73	4.9	34
65	Binding and reversibility of <i>Thermobifida fusca</i> Cel5A, Cel6B, and Cel48A and their respective catalytic domains to bacterial microcrystalline cellulose. <i>Biotechnology and Bioengineering</i> , 2003 , 84, 151-9	4.9	34
64	Effects of plasmid copy number and runaway plasmid replication on overproduction and excretion of beta-lactamase from <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 1993 , 9, 31-9	2.8	34
63	Cloning and Expression of a <i>Thermomonospora</i> YX Endocellulase Gene in <i>E. coli</i> . <i>Nature Biotechnology</i> , 1983 , 1, 594-601	44.5	34
62	Probing the catalytic mechanism of prephenate dehydratase by site-directed mutagenesis of the <i>Escherichia coli</i> P-protein dehydratase domain. <i>Biochemistry</i> , 2000 , 39, 4722-8	3.2	33
61	Active-site binding of glycosides by <i>Thermomonospora fusca</i> endocellulase E2. <i>Biochemistry</i> , 1998 , 37, 9220-9	3.2	33
60	A new class of endoglycosidase inhibitors. Studies on endocellulases. <i>Journal of the American Chemical Society</i> , 1989 , 111, 783-785	16.4	32
59	Periplasmic <i>Cytophaga hutchinsonii</i> Endoglucanases Are Required for Use of Crystalline Cellulose as the Sole Source of Carbon and Energy. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 4835-4845	4.8	31
58	Cellulase processivity. <i>Methods in Molecular Biology</i> , 2012 , 908, 93-9	1.4	31
57	<i>Thermobifida fusca</i> exoglucanase Cel6B is incompatible with the cellulosomal mode in contrast to endoglucanase Cel6A. <i>Systems and Synthetic Biology</i> , 2010 , 4, 193-201		30
56	Purification and characterization of <i>Thermobifida fusca</i> xylanase 10B. <i>Canadian Journal of Microbiology</i> , 2004 , 50, 835-43	3.2	30
55	. <i>Current Microbiology</i> , 2001 , 42, 295	2.4	30
54	Structure of a lytic polysaccharide monooxygenase and mutagenesis of key residues. <i>Biotechnology for Biofuels</i> , 2017 , 10, 243	7.8	29
53	Characterization of a <i>Thermobifida fusca</i> beta-1,3-glucanase (Lam81A) with a potential role in plant biomass degradation. <i>Biochemistry</i> , 2006 , 45, 14094-100	3.2	29
52	Cloning, characterization and phylogenetic relationships of cel5B, a new endoglucanase encoding gene from <i>Thermobifida fusca</i> . <i>Journal of Basic Microbiology</i> , 2004 , 44, 383-99	2.7	29

51	Quantifying bacterial population dynamics in compost using 16S rRNA gene probes. <i>Applied Microbiology and Biotechnology</i> , 2005 , 66, 457-63	5.7	28
50	Determination of the molecular states of the processive endocellulase <i>Thermobifida fusca</i> Cel9A during crystalline cellulose depolymerization. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 295-9	4.9	26
49	Cloning of <i>Thermomonospora fusca</i> genes coding for beta 1-4 endoglucanases E1, E2 and E5. <i>Gene</i> , 1988 , 71, 331-7	3.8	26
48	Mapping of chorismate mutase and prephenate dehydrogenase domains in the <i>Escherichia coli</i> T-protein. <i>FEBS Journal</i> , 2003 , 270, 757-63		24
47	A celR mutation affecting transcription of cellulase genes in <i>Thermobifida fusca</i> . <i>Journal of Bacteriology</i> , 2000 , 182, 252-5	3.5	24
46	Loop motions important to product expulsion in the <i>Thermobifida fusca</i> glycoside hydrolase family 6 cellobiohydrolase from structural and computational studies. <i>Journal of Biological Chemistry</i> , 2013 , 288, 33107-17	5.4	23
45	Functional association of catalytic and ancillary modules dictates enzymatic activity in glycoside hydrolase family 43 Ekylosidase. <i>Journal of Biological Chemistry</i> , 2012 , 287, 9213-21	5.4	22
44	Binding mechanisms for <i>Thermobifida fusca</i> Cel5A, Cel6B, and Cel48A cellulose-binding modules on bacterial microcrystalline cellulose. <i>Biotechnology and Bioengineering</i> , 2002 , 80, 380-92	4.9	22
43	Genetics and Properties of Cellulases. <i>Advances in Biochemical Engineering/Biotechnology</i> , 1999 , 1-21	1.7	20
42	Continuous, high level production and excretion of a plasmid-encoded protein by <i>Escherichia coli</i> in a two-stage chemostat. <i>Biotechnology and Bioengineering</i> , 1993 , 41, 937-46	4.9	20
41	Paradigmatic status of an endo- and exoglucanase and its effect on crystalline cellulose degradation. <i>Biotechnology for Biofuels</i> , 2012 , 5, 78	7.8	19
40	The absence of an identifiable single catalytic base residue in <i>Thermobifida fusca</i> exocellulase Cel6B. <i>FEBS Journal</i> , 2009 , 276, 3837-45	5.7	19
39	A <i>Prevotella ruminicola</i> B(1)4 operon encoding extracellular polysaccharide hydrolases. <i>Current Microbiology</i> , 1997 , 35, 274-7	2.4	19
38	Effect of sodium hydroxide treatment of bacterial cellulose on cellulase activity. <i>Cellulose</i> , 2008 , 15, 465-471	5.5	19
37	Determination of the catalytic base in family 48 glycosyl hydrolases. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 6274-6	4.8	15
36	The first evidence that a single cellulase can be essential for cellulose degradation in a cellulolytic microorganism. <i>Molecular Microbiology</i> , 2009 , 74, 1287-8	4.1	14
35	Synergistic activity of <i>Paenibacillus</i> sp. BP-23 cellobiohydrolase Cel48C in association with the contiguous endoglucanase Cel9B and with endo- or exo-acting glucanases from <i>Thermobifida fusca</i> . <i>Biotechnology and Bioengineering</i> , 2004 , 87, 161-9	4.9	14
34	Disulfide arrangement and functional domains of beta-1,4-endoglucanase E5 from <i>Thermomonospora fusca</i> . <i>Biochemistry</i> , 1993 , 32, 8157-61	3.2	14

33	Comparative NMR analysis of cellooligosaccharide hydrolysis by GH9 bacterial and plant endo-1,4-beta-glucanases. <i>Biochemistry</i> , 2008 , 47, 5235-41	3.2	13
32	Effect of alkaline medium on the production and excretion of B-lactamase by <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 1988 , 10, 377-382	3	12
31	Aerobic Microbial Cellulase Systems 374-392		11
30	Binding of <i>Thermobifida fusca</i> CDCel5A, CDCel6B and CDCel48A to easily hydrolysable and recalcitrant cellulose fractions on BMCC. <i>Enzyme and Microbial Technology</i> , 2002 , 31, 941-948	3.8	11
29	Disulfide arrangement and chemical modification of beta-1,4-endoglucanase E2 from <i>Thermomonospora fusca</i> . <i>Biochemistry</i> , 1993 , 32, 8151-6	3.2	10
28	Chitin binding by <i>Thermobifida fusca</i> cellulase catalytic domains. <i>Biotechnology and Bioengineering</i> , 2008 , 100, 644-52	4.9	9
27	<i>Escherichia coli</i> host cell modifications in continuous culture affecting heterologous protein overproduction: a population dynamics study. <i>Biotechnology Progress</i> , 1992 , 8, 340-6	2.8	9
26	Site-directed mutagenesis to probe catalysis by a <i>Thermobifida fusca</i> beta-1,3-glucanase (Lam81A). <i>Protein Engineering, Design and Selection</i> , 2009 , 22, 375-82	1.9	8
25	Characterization and comparison of metal accumulation in two <i>Escherichia coli</i> strains expressing either CopA or MntA, heavy metal-transporting bacterial P-type adenosine triphosphatases. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 117, 33-48	3.2	8
24	Fed-batch production of <i>thermomonospora fusca</i> endoglucanase by recombinant <i>streptomyces lividans</i> . <i>Biotechnology and Bioengineering</i> , 1998 , 60, 70-6	4.9	7
23	Mutation and expression of N233C-D506C of cellulase Cel6B from <i>Thermobifida fusca</i> in <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2002 , 30, 804-808	3.8	7
22	Dimerization of <i>Thermomonospora fusca</i> beta-1,4-endoglucanase E2. <i>Biochemistry</i> , 1993 , 32, 8146-50	3.2	7
21	Chorismate mutase/prephenate dehydratase from <i>escherichia coli</i> : Subcloning, overproduction and purification. <i>Tetrahedron</i> , 1991 , 47, 2573-2577	2.4	7
20	Natural diversity of glycoside hydrolase family 48 exoglucanases: insights from structure. <i>Biotechnology for Biofuels</i> , 2017 , 10, 274	7.8	6
19	Experimental and modeling studies of an unusual water-filled pore structure with possible mechanistic implications in family 48 cellulases. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 2306-15	3.4	6
18	Functional characterization and crystal structure of thermostable amylase from <i>Thermotoga petrophila</i> , reveals high thermostability and an unusual form of dimerization. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 1237-1245	4	6
17	ORIGINAL RESEARCH: Endocellulolytic activity of the <i>Clostridium thermocellum</i> Cel9C (formerly CbhA) catalytic domain. <i>Industrial Biotechnology</i> , 2008 , 4, 99-104	1.3	6
16	Positional expression effects of cysteine mutations in the <i>Thermobifida fusca</i> cellulase Cel6A and Cel6B catalytic domains. <i>Enzyme and Microbial Technology</i> , 2003 , 32, 331-336	3.8	6

15	An engineered chorismate mutase with allosteric regulation. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 3109-14	3.4	6
14	Demonstration of the importance for cellulose hydrolysis of Cel5, the most abundant cellulosomal cellulase in <i>Clostridium thermocellum</i> [corrected]. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17855-6	11.5	5
13	Expression of human epidermal growth factor by <i>Escherichia coli</i> in continuous culture. <i>Biotechnology Letters</i> , 1992 , 14, 339-344	3	5
12	Processive Cellulases 2015 , 83-89		3
11	A selective inhibitor of <i>Escherichia coli</i> prephenate dehydratase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001 , 11, 2485-8	2.9	3
10	Simulation studies of substrate recognition by the exocellulase CelF from <i>Clostridium cellulolyticum</i> . <i>Biotechnology and Bioengineering</i> , 2016 , 113, 1433-40	4.9	2
9	Comparison of Enzymes Catalyzing the Hydrolysis of Insoluble Polysaccharides. <i>ACS Symposium Series</i> , 1996 , 1-12	0.4	1
8	Structure-Function Relationships in Cellulase Genes. <i>ACS Symposium Series</i> , 1993 , 243-250	0.4	1
7	[19] Cloning of <i>Thermomonospora fusca</i> Cellulase Genes in <i>Escherichia coli</i> and <i>Streptomyces lividans</i> . <i>Methods in Molecular Genetics</i> , 1995 , 367-374		1
6	Bacterial AA10 Lytic Polysaccharide Monooxygenases Enhance the Hydrolytic Degradation of Recalcitrant Substrates 2015 , 91-110		
5	Mutation of Tryptophan 231 in <i>Thermobifida fusca</i> Cel6A Causes Major Activity Changes. <i>Industrial Biotechnology</i> , 2014 , 10, 299-304	1.3	
4	Role of Four Conserved Active-Site Aspartic Acid Residues in <i>Thermobifida fusca</i> Endoglucanase Cel6A. <i>ACS Symposium Series</i> , 2000 , 28-38	0.4	
3	Structure-Function Studies of Endo- α -1,4-D-glucanase E2 from <i>Thermomonospora fusca</i> . <i>ACS Symposium Series</i> , 1994 , 66-74	0.4	
2	Sugar-Lipid Intermediates Related to Colanic Acid Produced in vitro by Mucoic Mutants of <i>Escherichia coli</i> . <i>Biochemical Society Transactions</i> , 1975 , 3, 1095-1096	5.1	
1	Microbial Diversity and Cellulase Production 2016 , 43-48		