

David B Wilson

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.

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 | Characterization of cellulose crystallinity after enzymatic treatment using Fourier transform infrared spectroscopy (FTIR). <i>Cellulose</i> , 2018 , 25, 37-48 | 5.5 | 55 |
| 139 | Structure of a lytic polysaccharide monooxygenase and mutagenesis of key residues. <i>Biotechnology for Biofuels</i> , 2017 , 10, 243 | 7.8 | 29 |
| 138 | Natural diversity of glycoside hydrolase family 48 exoglucanases: insights from structure. <i>Biotechnology for Biofuels</i> , 2017 , 10, 274 | 7.8 | 6 |
| 137 | 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 |
| 136 | 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 |
| 135 | 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 |
| 134 | Microbial Diversity and Cellulase Production 2016 , 43-48 | | |
| 133 | Processive Cellulases 2015 , 83-89 | | 3 |
| 132 | Bacterial AA10 Lytic Polysaccharide Monooxygenases Enhance the Hydrolytic Degradation of Recalcitrant Substrates 2015 , 91-110 | | |
| 131 | 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 |
| 130 | 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 |
| 129 | Mutation of Tryptophan 231 in <i>Thermobifida fusca</i> Cel6A Causes Major Activity Changes. <i>Industrial Biotechnology</i> , 2014 , 10, 299-304 | 1.3 | |
| 128 | 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 |
| 127 | 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 |
| 126 | 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 |
| 125 | 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 |
| 124 | Cellulase processivity. <i>Methods in Molecular Biology</i> , 2012 , 908, 93-9 | 1.4 | 31 |

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|-----|--|------|-----|
| 123 | 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 |
| 122 | Deconstruction of lignocellulose into soluble sugars by native and designer cellulosomes. <i>MBio</i> , 2012 , 3, | 7.8 | 84 |
| 121 | Microbial diversity of cellulose hydrolysis. <i>Current Opinion in Microbiology</i> , 2011 , 14, 259-63 | 7.9 | 235 |
| 120 | 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 |
| 119 | Determination of the catalytic base in family 48 glycosyl hydrolases. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 6274-6 | 4.8 | 15 |
| 118 | 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 |
| 117 | Cellulase-xylanase synergy in designer cellulosomes for enhanced degradation of a complex cellulosic substrate. <i>MBio</i> , 2010 , 1, | 7.8 | 90 |
| 116 | Demonstration of the importance for cellulose hydrolysis of CelS, 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 |
| 115 | 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 |
| 114 | <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 |
| 113 | Glycoside hydrolases: catalytic base/nucleophile diversity. <i>Biotechnology and Bioengineering</i> , 2010 , 107, 195-205 | 4.9 | 66 |
| 112 | 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 |
| 111 | Processivity, synergism, and substrate specificity of <i>Thermobifida fusca</i> Cel6B. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 6655-61 | 4.8 | 62 |
| 110 | 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 |
| 109 | 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 |
| 108 | Evidence for a novel mechanism of microbial cellulose degradation. <i>Cellulose</i> , 2009 , 16, 723-727 | 5.5 | 51 |
| 107 | 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 |
| 106 | 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 |

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|-----|---|------|-----|
| 105 | Cellulases and biofuels. <i>Current Opinion in Biotechnology</i> , 2009 , 20, 295-9 | 11.4 | 351 |
| 104 | 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 |
| 103 | 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 |
| 102 | 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 |
| 101 | Effect of sodium hydroxide treatment of bacterial cellulose on cellulase activity. <i>Cellulose</i> , 2008 , 15, 465-471 | 5.5 | 19 |
| 100 | Chitin binding by <i>Thermobifida fusca</i> cellulase catalytic domains. <i>Biotechnology and Bioengineering</i> , 2008 , 100, 644-52 | 4.9 | 9 |
| 99 | 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 |
| 98 | 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 |
| 97 | 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 |
| 96 | 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 |
| 95 | 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 |
| 94 | Genome sequence of the cellulolytic gliding bacterium <i>Cytophaga hutchinsonii</i> . <i>Applied and Environmental Microbiology</i> , 2007 , 73, 3536-46 | 4.8 | 170 |
| 93 | 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 |
| 92 | 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 |
| 91 | Expression of thermostable microbial cellulases in the chloroplasts of nicotine-free tobacco. <i>Journal of Biotechnology</i> , 2007 , 131, 362-9 | 3.7 | 65 |
| 90 | 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 |
| 89 | 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 |
| 88 | <i>Thermobifida fusca</i> family-6 cellulases as potential designer cellulosome components. <i>Biocatalysis and Biotransformation</i> , 2006 , 24, 3-12 | 2.5 | 45 |

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|----|---|-----|-----|
| 87 | 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 |
| 86 | Selective cadmium accumulation using recombinant <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2005 , 99, 109-14 | 3.3 | 35 |
| 85 | 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 |
| 84 | 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 |
| 83 | Quantifying bacterial population dynamics in compost using 16S rRNA gene probes. <i>Applied Microbiology and Biotechnology</i> , 2005 , 66, 457-63 | 5.7 | 28 |
| 82 | 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 |
| 81 | Studies of <i>Thermobifida fusca</i> plant cell wall degrading enzymes. <i>Chemical Record</i> , 2004 , 4, 72-82 | 6.6 | 131 |
| 80 | 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 |
| 79 | 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 |
| 78 | Purification and characterization of <i>Thermobifida fusca</i> xylanase 10B. <i>Canadian Journal of Microbiology</i> , 2004 , 50, 835-43 | 3.2 | 30 |
| 77 | Recombinant expression and enzymatic characterization of PttCel9A, a KOR homologue from <i>Populus tremula</i> x <i>tremuloides</i> . <i>Biochemistry</i> , 2004 , 43, 10080-9 | 3.2 | 53 |
| 76 | Kinetic studies of <i>Thermobifida fusca</i> Cel9A active site mutant enzymes. <i>Biochemistry</i> , 2004 , 43, 9655-63 | 3.2 | 89 |
| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | An engineered chorismate mutase with allosteric regulation. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 3109-14 | 3.4 | 6 |
| 71 | 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 |
| 70 | Cloning, expression and characterization of a family-74 xyloglucanase from <i>Thermobifida fusca</i> . <i>FEBS Journal</i> , 2003 , 270, 3083-91 | | 56 |

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|----|---|-----|-----|
| 69 | Quantitative determination of noncovalent binding interactions using automated nanoelectrospray mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 3010-8 | 7.8 | 141 |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | A selective inhibitor of <i>Escherichia coli</i> prephenate dehydratase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001 , 11, 2485-8 | 2.9 | 3 |
| 61 | . <i>Current Microbiology</i> , 2001 , 42, 295 | 2.4 | 30 |
| 60 | 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 |
| 59 | Site-directed mutation of noncatalytic residues of <i>Thermobifida fusca</i> exocellulase Cel6B. <i>FEBS Journal</i> , 2000 , 267, 3101-15 | | 72 |
| 58 | Cloning, expression and characterization of a family 48 exocellulase, Cel48A, from <i>Thermobifida fusca</i> . <i>FEBS Journal</i> , 2000 , 267, 4988-97 | | 109 |
| 57 | 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 | |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | Substrate heterogeneity causes the nonlinear kinetics of insoluble cellulose hydrolysis. <i>Biotechnology and Bioengineering</i> , 1999 , 66, 35-41 | 4.9 | 75 |

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|----|--|-----|-----|
| 51 | Comparing the thermodynamic stabilities of a related thermophilic and mesophilic enzyme. <i>Biochemistry</i> , 1999 , 38, 2570-6 | 3.2 | 74 |
| 50 | Genetics and Properties of Cellulases. <i>Advances in Biochemical Engineering/Biotechnology</i> , 1999 , 1-21 | 1.7 | 20 |
| 49 | Mechanistic studies of active site mutants of <i>Thermomonospora fusca</i> endocellulase E2. <i>Biochemistry</i> , 1999 , 38, 9746-51 | 3.2 | 44 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | Factorial optimization of a six-cellulase mixture. <i>Biotechnology and Bioengineering</i> , 1998 , 58, 494-501 | 4.9 | 35 |
| 42 | 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 |
| 41 | Active-site binding of glycosides by <i>Thermomonospora fusca</i> endocellulase E2. <i>Biochemistry</i> , 1998 , 37, 9220-9 | 3.2 | 33 |
| 40 | 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 |
| 39 | Regulation of biosynthesis of individual cellulases in <i>Thermomonospora fusca</i> . <i>Journal of Bacteriology</i> , 1998 , 180, 3529-32 | 3.5 | 46 |
| 38 | 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 |
| 37 | 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 |
| 36 | Structure and mechanism of endo/exocellulase E4 from <i>Thermomonospora fusca</i> . <i>Nature Structural Biology</i> , 1997 , 4, 810-8 | | 309 |
| 35 | Genetic engineering of bacteria and their potential for Hg ²⁺ bioremediation. <i>Biodegradation</i> , 1997 , 8, 97-103 | 4.1 | 77 |
| 34 | A <i>Prevotella ruminicola</i> B(1)4 operon encoding extracellular polysaccharide hydrolases. <i>Current Microbiology</i> , 1997 , 35, 274-7 | 2.4 | 19 |

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|----|---|-----|-----|
| 33 | Identification of two functionally different classes of exocellulases. <i>Biochemistry</i> , 1996 , 35, 586-92 | 3.2 | 220 |
| 32 | Why are ruminal cellulolytic bacteria unable to digest cellulose at low pH?. <i>Journal of Dairy Science</i> , 1996 , 79, 1503-9 | 4 | 339 |
| 31 | Comparison of Enzymes Catalyzing the Hydrolysis of Insoluble Polysaccharides. <i>ACS Symposium Series</i> , 1996 , 1-12 | 0.4 | 1 |
| 30 | Site-directed mutagenesis of monofunctional chorismate mutase engineered from the E. coli P-protein. <i>Bioorganic and Medicinal Chemistry</i> , 1996 , 4, 1015-20 | 3.4 | 37 |
| 29 | Characterization of a Thermomonospora fusca exocellulase. <i>Biochemistry</i> , 1995 , 34, 3386-95 | 3.2 | 83 |
| 28 | [19] Cloning of Thermomonospora fusca Cellulase Genes in Escherichia coli and Streptomyces lividans. <i>Methods in Molecular Genetics</i> , 1995 , 367-374 | | 1 |
| 27 | Structure-Function Studies of Endo- α -D-glucanase E2 from Thermomonospora fusca. <i>ACS Symposium Series</i> , 1994 , 66-74 | 0.4 | |
| 26 | A new thermostable endoglucanase, Acidothermus cellulolyticus E1. <i>Applied Biochemistry and Biotechnology</i> , 1994 , 45-46, 245-256 | 3.2 | 43 |
| 25 | Dimerization of Thermomonospora fusca beta-1,4-endoglucanase E2. <i>Biochemistry</i> , 1993 , 32, 8146-50 | 3.2 | 7 |
| 24 | Crystal structure of the catalytic domain of a thermophilic endocellulase. <i>Biochemistry</i> , 1993 , 32, 9906-16 | 3.2 | 202 |
| 23 | Disulfide arrangement and chemical modification of beta-1,4-endoglucanase E2 from Thermomonospora fusca. <i>Biochemistry</i> , 1993 , 32, 8151-6 | 3.2 | 10 |
| 22 | Disulfide arrangement and functional domains of beta-1,4-endoglucanase E5 from Thermomonospora fusca. <i>Biochemistry</i> , 1993 , 32, 8157-61 | 3.2 | 14 |
| 21 | Structure-Function Relationships in Cellulase Genes. <i>ACS Symposium Series</i> , 1993 , 243-250 | 0.4 | 1 |
| 20 | Continuous, high level production and excretion of a plasmid-encoded protein by Escherichia coli in a two-stage chemostat. <i>Biotechnology and Bioengineering</i> , 1993 , 41, 937-46 | 4.9 | 20 |
| 19 | Activity studies of eight purified cellulases: Specificity, synergism, and binding domain effects. <i>Biotechnology and Bioengineering</i> , 1993 , 42, 1002-13 | 4.9 | 306 |
| 18 | Effects of plasmid copy number and runaway plasmid replication on overproduction and excretion of beta-lactamase from Escherichia coli. <i>Biotechnology Progress</i> , 1993 , 9, 31-9 | 2.8 | 34 |
| 17 | Biochemistry and genetics of actinomycete cellulases. <i>Critical Reviews in Biotechnology</i> , 1992 , 12, 45-63 | 9.4 | 98 |
| 16 | Expression of human epidermal growth factor by Escherichia coli in continuous culture. <i>Biotechnology Letters</i> , 1992 , 14, 339-344 | 3 | 5 |

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| 15 | Escherichia coli 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 |
| 14 | Chorismate mutase/prephenate dehydratase from escherichia coli: Subcloning, overproduction and purification. <i>Tetrahedron</i> , 1991 , 47, 2573-2577 | 2.4 | 7 |
| 13 | A new class of endoglycosidase inhibitors. Studies on endocellulases. <i>Journal of the American Chemical Society</i> , 1989 , 111, 783-785 | 16.4 | 32 |
| 12 | Release of periplasmic enzymes and other physiological effects of beta-lactamase overproduction in Escherichia coli. <i>Biotechnology and Bioengineering</i> , 1988 , 32, 741-8 | 4.9 | 71 |
| 11 | Effect of alkaline medium on the production and excretion of B-lactamase by Escherichia coli. <i>Biotechnology Letters</i> , 1988 , 10, 377-382 | 3 | 12 |
| 10 | Cloning of Thermomonospora fusca genes coding for beta 1-4 endoglucanases E1, E2 and E5. <i>Gene</i> , 1988 , 71, 331-7 | 3.8 | 26 |
| 9 | Cellulases of Thermomonospora fusca. <i>Methods in Enzymology</i> , 1988 , 160, 314-323 | 1.7 | 50 |
| 8 | Cloning of the Thermomonospora fusca Endoglucanase E2 Gene in Streptomyces lividans: Affinity Purification and Functional Domains of the Cloned Gene Product. <i>Applied and Environmental Microbiology</i> , 1988 , 54, 2521-6 | 4.8 | 83 |
| 7 | Regulation of beta-1,4-Endoglucanase Synthesis in Thermomonospora fusca. <i>Applied and Environmental Microbiology</i> , 1987 , 53, 1352-7 | 4.8 | 46 |
| 6 | Expression of a Thermomonospora fusca Cellulase Gene in Streptomyces lividans and Bacillus subtilis. <i>Applied and Environmental Microbiology</i> , 1987 , 53, 1470-5 | 4.8 | 39 |
| 5 | Purification and characterization of two .beta.-1,4-endoglucanases from Thermomonospora fusca. <i>Biochemistry</i> , 1985 , 24, 7797-7804 | 3.2 | 124 |
| 4 | Cloning and Expression of a Thermomonospora YX Endocellulase Gene in E. coli. <i>Nature Biotechnology</i> , 1983 , 1, 594-601 | 44.5 | 34 |
| 3 | Sugar Lipid Intermediates Related to Colanic Acid Produced in vitro by Mucoïd Mutants of Escherichia coli. <i>Biochemical Society Transactions</i> , 1975 , 3, 1095-1096 | 5.1 | |
| 2 | Source of energy for the Escherichia coli galactose transport systems induced by galactose. <i>Journal of Bacteriology</i> , 1974 , 120, 866-71 | 3.5 | 42 |
| 1 | Aerobic Microbial Cellulase Systems 374-392 | | 11 |