Jack Saddler

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.

137 papers	12,902 citations	53 h-index	113 g-index
138 ext. papers	14,332 ext. citations	6.9 avg, IF	6.63 L-index

#	Paper	IF	Citations
137	The use of steam pretreatment to enhance pellet durability and the enzyme-mediated hydrolysis of pellets to fermentable sugars.. *Bioresource Technology*, **2022**, 347, 126731	11	0
136	Current breakthroughs in the hardwood biorefineries: Hydrothermal processing for the co-production of xylooligosaccharides and bioethanol. *Bioresource Technology*, **2022**, 343, 126100	11	4
135	Determining the amount of “green” coke generated when co-processing lipids commercially by fluid catalytic cracking. *Biofuels, Bioproducts and Biorefining*, **2022**, 16, 325-334	5.3	0
134	Production of lower carbon-intensity fuels by co-processing biogenic feedstocks: Potential and challenges for refineries. *Fuel*, **2022**, 324, 124636	7.1	1
133	Rapid, high-yield production of lignin-containing cellulose nanocrystals using recyclable oxalic acid dihydrate. *Industrial Crops and Products*, **2021**, 173, 114148	5.9	6
132	The production of lactic acid from chemi-thermomechanical pulps using a chemo-catalytic approach. *Bioresource Technology*, **2021**, 324, 124664	11	5
131	Challenges in determining the renewable content of the final fuels after co-processing biogenic feedstocks in the fluid catalytic cracker (FCC) of a commercial oil refinery. *Fuel*, **2021**, 294, 120526	7.1	7
130	The influence of pre-steaming and lignin distribution on wood pellet robustness and ease of subsequent enzyme-mediated cellulose hydrolysis. *Sustainable Energy and Fuels*, **2021**, 5, 424-429	5.8	2
129	Enhancing cellulose nanofibrillation of eucalyptus Kraft pulp by combining enzymatic and mechanical pretreatments. *Cellulose*, **2021**, 28, 189-206	5.5	4
128	Use of Endoglucanase and Accessory Enzymes to Facilitate Mechanical Pulp Nanofibrillation. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 1406-1413	8.3	6
127	Enhancing Kraft based dissolving pulp production by integrating green liquor neutralization. *Carbohydrate Polymer Technologies and Applications*, **2021**, 2, 100034	1.7	2
126	Potential of Xylanases to Reduce the Viscosity of Micro/Nanofibrillated Bleached Kraft Pulp.. *ACS Applied Bio Materials*, **2020**, 3, 2201-2208	4.1	2
125	Enhancing Enzyme-Mediated Hydrolysis of Mechanical Pulps by Deacetylation and Delignification. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5847-5855	8.3	7
124	Substrate Characteristics That Influence the Filter Paper Assay’s Ability to Predict the Hydrolytic Potential of Cellulase Mixtures. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 10521-10528	8.3	6
123	Acidic deep eutectic solvent assisted isolation of lignin containing nanocellulose from thermomechanical pulp. *Carbohydrate Polymers*, **2020**, 247, 116727	10.3	25
122	Valorization of Bark Using Ethanol–Water Organosolv Treatment: Isolation and Characterization of Crude Lignin. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 4745-4754	8.3	14
121	The influence of lignin on the effectiveness of using a chemithermomechanical pulping based process to pretreat softwood chips and pellets prior to enzymatic hydrolysis. *Bioresource Technology*, **2020**, 302, 122895	11	20

120	High Production Yield and More Thermally Stable Lignin-Containing Cellulose Nanocrystals Isolated Using a Ternary Acidic Deep Eutectic Solvent. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 7182-7191	8.3	38
119	The Production of Lipids Using 5-Hydorxymethy Furfural Tolerant Rhodotorula graminis Grown on the Hydrolyzates of Steam Pretreated Softwoods. *Sustainability*, **2020**, 12, 755	3.6	2
118	Biofuels policies that have encouraged their production and use: An international perspective. *Energy Policy*, **2020**, 147, 111906	7.2	48
117	Non-productive celluase binding onto deep eutectic solvent (DES) extracted lignin from willow and corn stover with inhibitory effects on enzymatic hydrolysis of cellulose. *Carbohydrate Polymers*, **2020**, 250, 116956	10.3	23
116	Potential To Produce Sugars and Lignin-Containing Cellulose Nanofibrils from Enzymatically Hydrolyzed Chemi-Thermomechanical Pulps. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 14955-14963	8.3	13
115	Alkaline sulfonation and thermomechanical pulping pretreatment of softwood chips and pellets to enhance enzymatic hydrolysis. *Bioresource Technology*, **2020**, 315, 123789	11	14
114	Enhancing Enzyme-Mediated Cellulose Hydrolysis by Incorporating Acid Groups Onto the Lignin During Biomass Pretreatment. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 608835	5.8	2
113	The use of fluorescent protein-tagged carbohydrate-binding modules to evaluate the influence of drying on cellulose accessibility and enzymatic hydrolysis.. *RSC Advances*, **2020**, 10, 27152-27160	3.7	6
112	Enzyme-Mediated Lignocellulose Liquefaction Is Highly Substrate-Specific and Influenced by the Substrate Concentration or Rheological Regime. *Frontiers in Bioengineering and Biotechnology*, **2020** , 8, 917	5.8	2
111	Elucidation of Changes in Cellulose Ultrastructure and Accessibility in Hardwood Fractionation Processes with Carbohydrate Binding Modules. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 6767-6776	8.3	3
110	Laccase-mediated hydrophilization of lignin decreases unproductive enzyme binding but limits subsequent enzymatic hydrolysis at high substrate concentrations. *Bioresource Technology*, **2019**, 292, 121999	11	6
109	Alkali-oxygen treatment prior to the mechanical pulping of hardwood enhances enzymatic hydrolysis and carbohydrate recovery through selective lignin modification. *Sustainable Energy and Fuels*, **2019**, 3, 227-236	5.8	26
108	Sulfite Post-Treatment To Simultaneously Detoxify and Improve the Enzymatic Hydrolysis and Fermentation of a Steam-Pretreated Softwood Lodgepole Pine Whole Slurry. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 5192-5199	8.3	11
107	Functionalizing Cellulose Nanocrystals with Click Modifiable Carbohydrate-Binding Modules. *Biomacromolecules*, **2019**, 20, 3087-3093	6.9	10
106	The Application of Fiber Quality Analysis (FQA) and Cellulose Accessibility Measurements To Better Elucidate the Impact of Fiber Curls and Kinks on the Enzymatic Hydrolysis of Fibers. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 8827-8833	8.3	5
105	The influence of lignin migration and relocation during steam pretreatment on the enzymatic hydrolysis of softwood and corn stover biomass substrates. *Biotechnology and Bioengineering*, **2019** , 116, 2864-2873	4.9	25
104	Potential synergies of drop-in biofuel production with further co-processing at oil refineries. *Biofuels, Bioproducts and Biorefining*, **2019**, 13, 760-775	5.3	66
103	Quantifying cellulose accessibility during enzyme-mediated deconstruction using 2 fluorescence-tagged carbohydrate-binding modules. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 22545-22551	11.5	25

102	Potential yields and emission reductions of biojet fuels produced via hydrotreatment of biocrudes produced through direct thermochemical liquefaction. *Biotechnology for Biofuels*, **2019**, 12, 281	7.8	5
101	Use of Carbohydrate Binding Modules To Elucidate the Relationship between Fibrillation, Hydrolyzability, and Accessibility of Cellulosic Substrates. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 1113-1119	8.3	8
100	Understanding the slowdown of whole slurry hydrolysis of steam pretreated lignocellulosic woody biomass catalyzed by an up-to-date enzyme cocktail. *Sustainable Energy and Fuels*, **2018**, 2, 1048-1056	5.8	10
99	Minimizing cellulase inhibition of whole slurry biomass hydrolysis through the addition of carbocation scavengers during acid-catalyzed pretreatment. *Bioresource Technology*, **2018**, 258, 12-17	11	26
98	Enzyme mediated nanofibrillation of cellulose by the synergistic actions of an endoglucanase, lytic polysaccharide monooxygenase (LPMO) and xylanase. *Scientific Reports*, **2018**, 8, 3195	4.9	74
97	Why does GH10 xylanase have better performance than GH11 xylanase for the deconstruction of pretreated biomass?. *Biomass and Bioenergy*, **2018**, 110, 13-16	5.3	31
96	Extent of Enzyme Inhibition by Phenolics Derived from Pretreated Biomass Is Significantly Influenced by the Size and Carbonyl Group Content of the Phenolics. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3823-3829	8.3	33
95	The potential of endoglucanases to rapidly and specifically enhance the rheological properties of micro/nanofibrillated cellulose. *Cellulose*, **2018**, 25, 977-986	5.5	7
94	Lignin Sulfonation and SO Addition Enhance the Hydrolyzability of Deacetylated and Then Steam-Pretreated Poplar with Reduced Inhibitor Formation. *Applied Biochemistry and Biotechnology* , **2018**, 184, 264-277	3.2	4
93	Enhancing bacterial cellulose production via adding mesoporous halloysite nanotubes in the culture medium. *Carbohydrate Polymers*, **2018**, 198, 191-196	10.3	17
92	The inhibition of hemicellulosic sugars on cellulose hydrolysis are highly dependant on the cellulase productive binding, processivity, and substrate surface charges. *Bioresource Technology*, **2018**, 258, 79-87	11	27
91	The Potential of Using Immobilized Xylanases to Enhance the Hydrolysis of Soluble, Biomass Derived Xylooligomers. *Materials*, **2018**, 11,	3.5	8
90	Steam explosion pretreatment used to remove hemicellulose to enhance the production of a eucalyptus organosolv dissolving pulp. *Wood Science and Technology*, **2017**, 51, 557-569	2.5	22
89	Drop-in biofuel production via conventional (lipid/fatty acid) and advanced (biomass) routes. Part I. *Biofuels, Bioproducts and Biorefining*, **2017**, 11, 344-362	5.3	45
88	Valorizing Recalcitrant Cellulolytic Enzyme Lignin via Lignin Nanoparticles Fabrication in an Integrated Biorefinery. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 2702-2710	8.3	77
87	Enhanced delignification of steam-pretreated poplar by a bacterial laccase. *Scientific Reports*, **2017**, 7, 42121	4.9	33
86	Alkali-Oxygen Impregnation Prior to Steam Pretreating Poplar Wood Chips Enhances Selective Lignin Modification and Removal while Maximizing Carbohydrate Recovery, Cellulose Accessibility, and Enzymatic Hydrolysis. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 4011-4017	8.3	28
85	Limitation of cellulose accessibility and unproductive binding of cellulases by pretreated sugarcane bagasse lignin. *Biotechnology for Biofuels*, **2017**, 10, 176	7.8	75

84	Lignin valorization: lignin nanoparticles as high-value bio-additive for multifunctional nanocomposites. *Biotechnology for Biofuels*, **2017**, 10, 192	7.8	147
83	A xylanase-aided enzymatic pretreatment facilitates cellulose nanofibrillation. *Bioresource Technology*, **2017**, 243, 898-904	11	48
82	A comparison of various lignin-extraction methods to enhance the accessibility and ease of enzymatic hydrolysis of the cellulosic component of steam-pretreated poplar. *Biotechnology for Biofuels*, **2017**, 10, 157	7.8	89
81	Mechanistic insights into the liquefaction stage of enzyme-mediated biomass deconstruction. *Biotechnology and Bioengineering*, **2017**, 114, 2489-2496	4.9	11
80	The influence of lignin on steam pretreatment and mechanical pulping of poplar to achieve high sugar recovery and ease of enzymatic hydrolysis. *Bioresource Technology*, **2016**, 199, 135-141	11	64
79	Oxidative cleavage of some cellulosic substrates by auxiliary activity (AA) family 9 enzymes influences the adsorption/desorption of hydrolytic cellulase enzymes. *Green Chemistry*, **2016**, 18, 6329-6336	10	24
78	Enzymatic Hydrolysis of Industrial Derived Xylo-oligomers to Monomeric Sugars for Potential Chemical/Biofuel Production. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 7130-7136	8.3	8
77	Pretreatment of biomass. *Bioresource Technology*, **2016**, 199, 1	11	8
76	What Are the Major Components in Steam Pretreated Lignocellulosic Biomass That Inhibit the Efficacy of Cellulase Enzyme Mixtures?. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 3429-3436	8.3	59
75	Horizontal gene transfer and gene dosage drives adaptation to wood colonization in a tree pathogen. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3451-6	11.5	47
74	The use of carbohydrate binding modules (CBMs) to monitor changes in fragmentation and cellulose fiber surface morphology during cellulase- and Swollenin-induced deconstruction of lignocellulosic substrates. *Journal of Biological Chemistry*, **2015**, 290, 2938-45	5.4	33
73	Steam pretreatment of agricultural residues facilitates hemicellulose recovery while enhancing enzyme accessibility to cellulose. *Bioresource Technology*, **2015**, 185, 302-7	11	42
72	Accessory enzymes influence cellulase hydrolysis of the model substrate and the realistic lignocellulosic biomass. *Enzyme and Microbial Technology*, **2015**, 79-80, 42-8	3.8	86
71	Optimization of chip size and moisture content to obtain high, combined sugar recovery after sulfur dioxide-catalyzed steam pretreatment of softwood and enzymatic hydrolysis of the cellulosic component. *Bioresource Technology*, **2015**, 187, 288-298	11	13
70	Enhancing Hemicellulose Recovery and the Enzymatic Hydrolysis of Cellulose by Adding Lignosulfonates during the Two-Stage Steam Pretreatment of Poplar. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 986-991	8.3	33
69	The addition of accessory enzymes enhances the hydrolytic performance of cellulase enzymes at high solid loadings. *Bioresource Technology*, **2015**, 186, 149-153	11	119
68	A NaBH▯Coupled Ninhydrin-Based Assay for the Quantification of Protein/Enzymes During the Enzymatic Hydrolysis of Pretreated Lignocellulosic Biomass. *Applied Biochemistry and Biotechnology*, **2015**, 176, 1564-80	3.2	19
67	Second-generation ethanol in Chile: optimisation of the autohydrolysis of Eucalyptus globulus. *Biomass Conversion and Biorefinery*, **2014**, 4, 125-135	2.3	8

66	Substrate factors that influence the synergistic interaction of AA9 and cellulases during the enzymatic hydrolysis of biomass. *Energy and Environmental Science*, **2014**, 7, 2308-2315	35.4	162
65	Lignin valorization: improving lignin processing in the biorefinery. *Science*, **2014**, 344, 1246843	33.3	2274
64	The enzymatic hydrolysis of pretreated pulp fibers predominantly involves "peeling/erosion" modes of action. *Biotechnology for Biofuels*, **2014**, 7, 87	7.8	27
63	Special Issue from the NSERC Bioconversion network workshop: pretreatment and fractionation of biomass for biorefinery/biofuels. *Biotechnology for Biofuels*, **2013**, 6, 17	7.8	9
62	Effect of replacing polyol by organosolv and kraft lignin on the property and structure of rigid polyurethane foam. *Biotechnology for Biofuels*, **2013**, 6, 12	7.8	133
61	The synergistic action of accessory enzymes enhances the hydrolytic potential of a "cellulase mixture" but is highly substrate specific. *Biotechnology for Biofuels*, **2013**, 6, 112	7.8	163
60	The lignin present in steam pretreated softwood binds enzymes and limits cellulose accessibility. *Bioresource Technology*, **2012**, 103, 201-8	11	300
59	Fibre size does not appear to influence the ease of enzymatic hydrolysis of organosolv-pretreated softwoods. *Bioresource Technology*, **2012**, 107, 235-42	11	43
58	Use of substructure-specific carbohydrate binding modules to track changes in cellulose accessibility and surface morphology during the amorphogenesis step of enzymatic hydrolysis. *Biotechnology for Biofuels*, **2012**, 5, 51	7.8	42
57	Use of the Simons' Staining Technique to Assess Cellulose Accessibility in Pretreated Substrates. *Industrial Biotechnology*, **2012**, 8, 230-237	1.3	46
56	Does densification influence the steam pretreatment and enzymatic hydrolysis of softwoods to sugars?. *Bioresource Technology*, **2012**, 121, 190-8	11	41
55	The Influence of Lignin on the Enzymatic Hydrolysis of Pretreated Biomass Substrates. *ACS Symposium Series*, **2011**, 145-167	0.4	37
54	Cellulose accessibility limits the effectiveness of minimum cellulase loading on the efficient hydrolysis of pretreated lignocellulosic substrates. *Biotechnology for Biofuels*, **2011**, 4, 3	7.8	217
53	The enhancement of enzymatic hydrolysis of lignocellulosic substrates by the addition of accessory enzymes such as xylanase: is it an additive or synergistic effect?. *Biotechnology for Biofuels*, **2011**, 4, 36	7.8	286
52	Enhancing the enzymatic hydrolysis of lignocellulosic biomass by increasing the carboxylic acid content of the associated lignin. *Biotechnology and Bioengineering*, **2011**, 108, 538-48	4.9	182
51	The effects of increasing swelling and anionic charges on the enzymatic hydrolysis of organosolv-pretreated softwoods at low enzyme loadings. *Biotechnology and Bioengineering*, **2011**, 108, 1549-58	4.9	44
50	Influence of steam pretreatment severity on post-treatments used to enhance the enzymatic hydrolysis of pretreated softwoods at low enzyme loadings. *Biotechnology and Bioengineering*, **2011**, 108, 2300-11	4.9	93
49	The isolation, characterization and effect of lignin isolated from steam pretreated Douglas-fir on the enzymatic hydrolysis of cellulose. *Bioresource Technology*, **2011**, 102, 4507-17	11	172

48	The effect of isolated lignins, obtained from a range of pretreated lignocellulosic substrates, on enzymatic hydrolysis. *Biotechnology and Bioengineering*, **2010**, 105, 871-9	4.9	178
47	Can the same steam pretreatment conditions be used for most softwoods to achieve good, enzymatic hydrolysis and sugar yields?. *Bioresource Technology*, **2010**, 101, 7827-33	11	76
46	An overview of second generation biofuel technologies. *Bioresource Technology*, **2010**, 101, 1570-80	11	1024
45	Influence of xylan on the enzymatic hydrolysis of steam-pretreated corn stover and hybrid poplar. *Biotechnology Progress*, **2009**, 25, 315-22	2.8	141
44	High consistency enzymatic hydrolysis of hardwood substrates. *Bioresource Technology*, **2009**, 100, 5890-7	11	97
43	Adsorption of cellulase on cellulolytic enzyme lignin from lodgepole pine. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 7771-8	5.7	145
42	The bioconversion of mountain pine beetle-killed lodgepole pine to fuel ethanol using the organosolv process. *Biotechnology and Bioengineering*, **2008**, 101, 39-48	4.9	139
41	The characterization of pretreated lignocellulosic substrates prior to enzymatic hydrolysis, part 1: a modified Simons' staining technique. *Biotechnology Progress*, **2008**, 24, 1178-85	2.8	151
40	Optimization of enzyme complexes for lignocellulose hydrolysis. *Biotechnology and Bioengineering*, **2007**, 97, 287-96	4.9	307
39	Acid-catalyzed steam pretreatment of lodgepole pine and subsequent enzymatic hydrolysis and fermentation to ethanol. *Biotechnology and Bioengineering*, **2007**, 98, 737-46	4.9	138
38	Evaluating the distribution of cellulases and the recycling of free cellulases during the hydrolysis of lignocellulosic substrates. *Biotechnology Progress*, **2007**, 23, 398-406	2.8	149
37	A rapid microassay to evaluate enzymatic hydrolysis of lignocellulosic substrates. *Biotechnology and Bioengineering*, **2006**, 93, 880-6	4.9	60
36	Bioconversion of hybrid poplar to ethanol and co-products using an organosolv fractionation process: optimization of process yields. *Biotechnology and Bioengineering*, **2006**, 94, 851-61	4.9	369
35	Inhibition of cellulase, xylanase and beta-glucosidase activities by softwood lignin preparations. *Journal of Biotechnology*, **2006**, 125, 198-209	3.7	515
34	Organosolv ethanol lignin from hybrid poplar as a radical scavenger: relationship between lignin structure, extraction conditions, and antioxidant activity. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 5806-13	5.7	468
33	Strategies to enhance the enzymatic hydrolysis of pretreated softwood with high residual lignin content. *Applied Biochemistry and Biotechnology*, **2005**, 121-124, 1069-79	3.2	175
32	Optimization of SO2-catalyzed steam pretreatment of corn fiber for ethanol production. *Applied Biochemistry and Biotechnology*, **2003**, 105 -108, 319-35	3.2	44
31	Fast and efficient alkaline peroxide treatment to enhance the enzymatic digestibility of steam-exploded softwood substrates. *Biotechnology and Bioengineering*, **2002**, 77, 678-84	4.9	124

30	SO2-catalyzed steam explosion of corn fiber for ethanol production. *Applied Biochemistry and Biotechnology*, **2002**, 98-100, 59-72	3.2	76
29	Cellulase adsorption and an evaluation of enzyme recycle during hydrolysis of steam-exploded softwood residues. *Applied Biochemistry and Biotechnology*, **2002**, 98-100, 641-54	3.2	171
28	Do cellulose binding domains increase substrate accessibility?. *Applied Biochemistry and Biotechnology*, **2001**, 91-93, 575-92	3.2	18
27	Sugar recovery and fermentability of hemicellulose hydrolysates from steam-exploded softwoods containing bark. *Biotechnology Progress*, **2001**, 17, 887-92	2.8	27
26	Do enzymatic hydrolyzability and Simons' stain reflect the changes in the accessibility of lignocellulosic substrates to cellulase enzymes?. *Biotechnology Progress*, **2001**, 17, 1049-54	2.8	124
25	Steam pretreatment of Douglas-fir wood chips. Can conditions for optimum hemicellulose recovery still provide adequate access for efficient enzymatic hydrolysis?. *Applied Biochemistry and Biotechnology*, **2000**, 84-86, 693-705	3.2	77
24	An Overview of Factors Influencing the Enzymatic Hydrolysis of Lignocellulosic Feedstocks. *ACS Symposium Series*, **2000**, 100-111	0.4	16
23	Enzyme Treatments of the Dissolved and Colloidal Substances Present in Mill White Water and the Effects on the Resulting Paper Properties. *Journal of Wood Chemistry and Technology*, **2000**, 20, 321-335	2	23
22	The effect of fiber characteristics on hydrolysis and cellulase accessibility to softwood substrates. *Enzyme and Microbial Technology*, **1999**, 25, 644-650	3.8	84
21	Substrate and Enzyme Characteristics that Limit Cellulose Hydrolysis. *Biotechnology Progress*, **1999**, 15, 804-816	2.8	620
20	Optimization of steam explosion to enhance hemicellulose recovery and enzymatic hydrolysis of cellulose in softwoods. *Applied Biochemistry and Biotechnology*, **1999**, 77, 47-54	3.2	60
19	The nature of lignin from steam explosion/ enzymatic hydrolysis of softwood: structural features and possible uses: scientific note. *Applied Biochemistry and Biotechnology*, **1999**, 77-79, 867-76	3.2	74
18	Fermentability of the hemicellulose-derived sugars from steam-exploded softwood (douglas fir). *Biotechnology and Bioengineering*, **1999**, 64, 284-9	4.9	79
17	The effect of initial pore volume and lignin content on the enzymatic hydrolysis of softwoods. *Bioresource Technology*, **1998**, 64, 113-119	11	348
16	The Synergistic Effects of Endoglucanase and Xylanase in Modifying Douglas Fir Kraft Pulp. *ACS Symposium Series*, **1998**, 75-87	0.4	5
15	Physical characterization of enzymatically modified kraft pulp fibers. *Journal of Biotechnology*, **1997** , 57, 205-216	3.7	55
14	Session 4 industrial needs for commercialization. *Applied Biochemistry and Biotechnology*, **1997**, 63-65, 609-623	3.2	5
13	Factors affecting cellulose hydrolysis and the potential of enzyme recycle to enhance the efficiency of an integrated wood to ethanol process. *Biotechnology and Bioengineering*, **1996**, 51, 375-83	4.9	102

12	Molecular Mass Distribution of Materials Solubilized by Xylanase Treatment of Douglas-Fir Kraft Pulp. *ACS Symposium Series*, **1996**, 44-62	0.4	1
11	A techno-economic assessment of the pretreatment and fractionation steps of a biomass-to-ethanol process. *Applied Biochemistry and Biotechnology*, **1996**, 57-58, 711-727	3.2	93
10	Factors affecting gas chromatographic analysis of resin acids present in pulp mill effluents. *Toxicological and Environmental Chemistry*, **1996**, 57, 1-16	1.4	6
9	Factors affecting cellulose hydrolysis and the potential of enzyme recycle to enhance the efficiency of an integrated wood to ethanol process **1996**, 51, 375		102
8	Evaluation of cellulase recycling strategies for the hydrolysis of lignocellulosic substrates. *Biotechnology and Bioengineering*, **1995**, 45, 328-36	4.9	121
7	Identification of essential cellulase components in the hydrolysis of a steam-exploded birch substrate1. *Biotechnology and Applied Biochemistry*, **1995**, 21, 185-202	2.8	2
6	Adsorption and desorption of cellulase components during the hydrolysis of a steam-exploded birch substrate 1. *Biotechnology and Applied Biochemistry*, **1995**, 21, 203-216	2.8	13
5	Evaluation of the enzymatic susceptibility of cellulosic substrates using specific hydrolysis rates and enzyme adsorption. *Applied Biochemistry and Biotechnology*, **1994**, 45-46, 407-415	3.2	42
4	Enzymatic Separation of High□Quality Uninked Pulp Fibers from Recycled Newspaper. *Nature Biotechnology*, **1994**, 12, 905-908	44.5	12
3	A quantitative approach to the study of the adsorption/desorption of cellulase components in a crude cellulase mixture. *Biotechnology Letters*, **1993**, 7, 713-718		11
2	Trichoderma Xylanases, Their Properties and Application. *Critical Reviews in Biotechnology*, **1992**, 12, 413-435	9.4	139
1	Climate change affects cell-wall structure and hydrolytic performance of a perennial grass as an energy crop. *Biofuels, Bioproducts and Biorefining*,	5.3	1