Bruce S Dien

List of Publications by Year
in descending order

153 papers	10,258 citations	36203 51 h-index	35952 97 g-index
159 all docs	159 docs citations	159 times ranked	8532 citing authors

#	Article	IF	Citations
1	Bacteria engineered for fuel ethanol production: current status. Applied Microbiology and Biotechnology, 2003, 63, 258-266.	1.7	683
2	Chemical composition and response to dilute-acid pretreatment and enzymatic saccharification of alfalfa, reed canarygrass, and switchgrass. Biomass and Bioenergy, 2006, 30, 880-891.	2.9	440
3	Deactivation of cellulases by phenols. Enzyme and Microbial Technology, 2011, 48, 54-60.	1.6	436
4	Inhibition of cellulases by phenols. Enzyme and Microbial Technology, 2010, 46, 170-176.	1.6	403
5	Adaptive response of yeasts to furfural and 5-hydroxymethylfurfural and new chemical evidence for HMF conversion to 2,5-bis-hydroxymethylfuran. Journal of Industrial Microbiology and Biotechnology, 2004, 31, 345-352.	1.4	332
6	Production of butanol (a biofuel) from agricultural residues: Part I â€" Use of barley straw hydrolysateâ˜†. Biomass and Bioenergy, 2010, 34, 559-565.	2.9	324
7	Butanol production by Clostridium beijerinckii. Part I: Use of acid and enzyme hydrolyzed corn fiber. Bioresource Technology, 2008, 99, 5915-5922.	4.8	294
8	Composition of corn dry-grind ethanol by-products: DDGS, wet cake, and thin stillage. Bioresource Technology, 2008, 99, 5165-5176.	4.8	287
9	Production of butanol (a biofuel) from agricultural residues: Part II â€" Use of corn stover and switchgrass hydrolysatesâ˜†. Biomass and Bioenergy, 2010, 34, 566-571.	2.9	271
10	Microbial lipid-based lignocellulosic biorefinery: feasibility and challenges. Trends in Biotechnology, 2015, 33, 43-54.	4.9	259
11	Tolerance to furfural-induced stress is associated with pentose phosphate pathway genes ZWF1, GND1, RPE1, and TKL1 in Saccharomyces cerevisiae. Applied Microbiology and Biotechnology, 2006, 71, 339-349.	1.7	248
12	Improved Sugar Conversion and Ethanol Yield for Forage Sorghum (Sorghum bicolor L. Moench) Lines with Reduced Lignin Contents. Bioenergy Research, 2009, 2, 153-164.	2.2	198
13	Removal of Fermentation Inhibitors Formed during Pretreatment of Biomass by Polymeric Adsorbents. Industrial & Engineering Chemistry Research, 2002, 41, 6132-6138.	1.8	181
14	Isolation of microorganisms for biological detoxification of lignocellulosic hydrolysates. Applied Microbiology and Biotechnology, 2004, 64, 125-131.	1.7	177
15	Plant cell walls to ethanol. Biochemical Journal, 2012, 442, 241-252.	1.7	173
16	Industrial Scale-Up of pH-Controlled Liquid Hot Water Pretreatment of Corn Fiber for Fuel Ethanol Production. Applied Biochemistry and Biotechnology, 2005, 125, 077-098.	1.4	158
17	Influence of Feedstock Particle Size on Lignocellulose Conversionâ€"A Review. Applied Biochemistry and Biotechnology, 2011, 164, 1405-1421.	1.4	156
18	Use of catabolite repression mutants for fermentation of sugar mixtures to ethanol. Applied Microbiology and Biotechnology, 2001, 56, 120-125.	1.7	146

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19	Enzyme characterization for hydrolysis of AFEX and liquid hot-water pretreated distillersâ€™ grains and their conversion to ethanol. Bioresource Technology, 2008, 99, 5216-5225.	4.8	144
20	Downregulation of Cinnamyl-Alcohol Dehydrogenase in Switchgrass by RNA Silencing Results in Enhanced Glucose Release after Cellulase Treatment. PLoS ONE, 2011, 6, e16416.	1.1	141
21	Development of New Ethanologenic Escherichia coli Strains for Fermentation of Lignocellulosic Biomass. Applied Biochemistry and Biotechnology, 2000, 84-86, 181-196.	1.4	139
22	Fermentations with New Recombinant Organisms. Biotechnology Progress, 1999, 15, 867-875.	1.3	134
23	Fungal metabolism of fermentation inhibitors present in corn stover dilute acid hydrolysate. Enzyme and Microbial Technology, 2008, 42, 624-630.	1.6	129
24	Quantifying Actual and Theoretical Ethanol Yields for Switchgrass Strains Using NIRS Analyses. Bioenergy Research, 2011, 4, 96-110.	2.2	122
25	Overexpression of <i>SbMyb60</i> impacts phenylpropanoid biosynthesis and alters secondary cell wall composition in <i>Sorghum bicolor</i>. Plant Journal, 2016, 85, 378-395.	2.8	119
26	Comparative lipid production by oleaginous yeasts in hydrolyzates of lignocellulosic biomass and process strategy for high titers. Biotechnology and Bioengineering, 2016, 113, 1676-1690.	1.7	110
27	Response surface optimization of corn stover pretreatment using dilute phosphoric acid for enzymatic hydrolysis and ethanol production. Bioresource Technology, 2013, 130, 603-612.	4.8	105
28	Ethanol production from SPORL-pretreated lodgepole pine: preliminary evaluation of mass balance and process energy efficiency. Applied Microbiology and Biotechnology, 2010, 86, 1355-1365.	1.7	102
29	Enzymatic saccharification of hot-water pretreated corn fiber for production of monosaccharides. Enzyme and Microbial Technology, 2006, 39, 1137-1144.	1.6	98
30	Assessment of Bermudagrass and Bunch Grasses as Feedstock for Conversion to Ethanol. Applied Biochemistry and Biotechnology, 2008, 145, 13-21.	1.4	97
31	Lignocellulose-degrading enzymes produced by the ascomycete Coniochaeta ligniaria and related species: Application for a lignocellulosic substrate treatment. Enzyme and Microbial Technology, 2007, 40, 794-800.	1.6	93
32	Optimizing on-farm pretreatment of perennial grasses for fuel ethanol production. Bioresource Technology, 2010, 101, 5305-5314.	4.8	90
33	Recombinant Escherichia coli engineered for production of L-lactic acid from hexose and pentose sugars. Journal of Industrial Microbiology and Biotechnology, 2001, 27, 259-264.	1.4	89
34	Extraction and characterization of nanocellulose crystals from cotton gin motes and cotton gin waste. Cellulose, 2019, 26, 5959-5979.	2.4	84
35	Improvement of sugar yields from corn stover using sequential hot water pretreatment and disk milling. Bioresource Technology, 2016, 216, 706-713.	4.8	80
36	Enhancing alfalfa conversion efficiencies for sugar recovery and ethanol production by altering lignin composition. Bioresource Technology, 2011, 102, 6479-6486.	4.8	75

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37	Engineering industrial Saccharomyces cerevisiae strains for xylose fermentation and comparison for switchgrass conversion. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1193-1202.	1.4	74
38	Fermentation of bioenergy crops into ethanol using biological abatement for removal of inhibitorsâ˜†. Bioresource Technology, 2010, 101, 7545-7550.	4.8	71
39	Growth and fermentation of D-xylose by Saccharomyces cerevisiae expressing a novel D-xylose isomerase originating from the bacterium Prevotella ruminicola TC2-24. Biotechnology for Biofuels, 2013, 6, 84.	6.2	70
40	Autohydrolysis of Miscanthus x giganteus for the production of xylooligosaccharides (XOS): Kinetics, characterization and recovery. Bioresource Technology, 2014, 155, 359-365.	4.8	69
41	Nitrogen source and mineral optimization enhance d-xylose conversion to ethanol by the yeast Pichia stipitis NRRL Y-7124. Applied Microbiology and Biotechnology, 2006, 72, 1285-1296.	1.7	68
42	Effect of particle size on enzymatic hydrolysis of pretreated Miscanthus. Industrial Crops and Products, 2013, 44, 11-17.	2.5	67
43	Screening forl-arabinose fermenting yeasts. Applied Biochemistry and Biotechnology, 1996, 57-58, 233-242.	1.4	66
44	Fermentation of undetoxified sugarcane bagasse hydrolyzates using a two stage hydrothermal and mechanical refining pretreatment. Bioresource Technology, 2018, 261, 313-321.	4.8	62
45	In vitro gas production as a surrogate measure of the fermentability of cellulosic biomass to ethanol. Applied Microbiology and Biotechnology, 2005, 67, 52-58.	1.7	60
46	Bioabatement to Remove Inhibitors from Biomass-Derived Sugar Hydrolysates. Applied Biochemistry and Biotechnology, 2005, 121, 0379-0390.	1.4	59
47	Prolonged conversion of <i>n</i>â€butyrate to <i>n</i>â€butanol with <i>Clostridium saccharoperbutylacetonicum</i> in a twoâ€stage continuous culture with inâ€situ product removal. Biotechnology and Bioengineering, 2012, 109, 913-921.	1.7	59
48	Bioconversion of Beetle-Killed Lodgepole Pine Using SPORL: Process Scale-up Design, Lignin Coproduct, and High Solids Fermentation without Detoxification. Industrial & Engineering Chemistry Research, 2013, 52, 16057-16065.	1.8	59
49	A survey of yeast from the Yarrowia clade for lipid production in dilute acid pretreated lignocellulosic biomass hydrolysate. Applied Microbiology and Biotechnology, 2017, 101, 3319-3334.	1.7	56
50	Shaping Reactor Microbiomes to Produce the Fuel Precursor <i>n-</i>Butyrate from Pretreated Cellulosic Hydrolysates. Environmental Science & Technology, 2012, 46, 10229-10238.	4.6	55
51	High titer ethanol production from SPORL-pretreated lodgepole pine by simultaneous enzymatic saccharification and combined fermentation. Bioresource Technology, 2013, 127, 291-297.	4.8	55
52	Improving ethanol yields with deacetylated and two-stage pretreated corn stover and sugarcane bagasse by blending commercial xylose-fermenting and wild type Saccharomyces yeast. Bioresource Technology, 2019, 282, 103-109.	4.8	55
53	Hydrothermal pretreatment of sugarcane bagasse using response surface methodology improves digestibility and ethanol production by SSF. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 439-447.	1.4	54
54	Fermentation of hexose and pentose sugars using a novel ethanologenic Escherichia coli strain. Enzyme and Microbial Technology, 1998, 23, 366-371.	1.6	52

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55	Ethanol production from AFEX pretreated corn fiber by recombinant bacteria. Biotechnology Letters, 1996, 18, 985-990.	1.1	50
56	Fuel ethanol production from corn fiber current status and technical prospects. Applied Biochemistry and Biotechnology, 1998, 70-72, 115-125.	1.4	50
57	Promise of combined hydrothermal/chemical and mechanical refining for pretreatment of woody and herbaceous biomass. Biotechnology for Biofuels, 2016, 9, 97.	6.2	49
58	The costs of sugar production from different feedstocks and processing technologies. Biofuels, Bioproducts and Biorefining, 2019, 13, 723-739.	1.9	48
59	Metabolic engineering of a Lactobacillus plantarum double ldh knockout strain for enhanced ethanol production. Journal of Industrial Microbiology and Biotechnology, 2006, 33, 1-7.	1.4	47
60	Ethanol yields and cell wall properties in divergently bred switchgrass genotypes. Bioresource Technology, 2011, 102, 9579-9585.	4.8	45
61	Production of acetic acid by Dekkera/Brettanomyces yeasts under conditions of constant pH. World Journal of Microbiology and Biotechnology, 2003, 19, 101-105.	1.7	44
62	Engineering lactic acid bacteria with pyruvate decarboxylase and alcohol dehydrogenase genes for ethanol production from Zymomonas mobilis. Journal of Industrial Microbiology and Biotechnology, 2003, 30, 315-321.	1.4	43
63	Temporal and Spatial Variation in Switchgrass Biomass Composition and Theoretical Ethanol Yield. Agronomy Journal, 2012, 104, 54-64.	0.9	42
64	Sugar production from bioenergy sorghum by using pilot scale continuous hydrothermal pretreatment combined with disk refining. Bioresource Technology, 2019, 289, 121663.	4.8	42
65	Genetically Engineered Escherichia Coli for Ethanol Production from Xylose. Food and Bioproducts Processing, 2006, 84, 114-122.	1.8	41
66	High solids loading biorefinery for the production of cellulosic sugars from bioenergy sorghum. Bioresource Technology, 2020, 318, 124051.	4.8	41
67	Effect of compositional variability of distillersâ€™ grains on cellulosic ethanol production. Bioresource Technology, 2010, 101, 5385-5393.	4.8	39
68	Evolved strains of Scheffersomyces stipitis achieving high ethanol productivity on acid- and base-pretreated biomass hydrolyzate at high solids loading. Biotechnology for Biofuels, 2015, 8, 60.	6.2	39
69	Seashore mallow (Kosteletzkya pentacarpos) as a salt-tolerant feedstock for production of biodiesel and ethanol. Renewable Energy, 2013, 50, 833-839.	4.3	38
70	Conversion of corn fiber to ethanol by recombinant E. coli strain FBR3. Journal of Industrial Microbiology and Biotechnology, 1999, 22, 575-581.	1.4	37
71	Economic Analysis of Cellulosic Ethanol Production from Sugarcane Bagasse Using a Sequential Deacetylation, Hot Water and Disk-Refining Pretreatment. Processes, 2019, 7, 642.	1.3	37
72	The Application of Ultrasound in the Enzymatic Hydrolysis of Switchgrass. Applied Biochemistry and Biotechnology, 2011, 165, 1322-1331.	1.4	36

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73	Conversion of switchgrass to ethanol using dilute ammonium hydroxide pretreatment: influence of ecotype and harvest maturity. Environmental Technology (United Kingdom), 2013, 34, 1837-1848.	1.2	36
74	Identification of superior lipid producing Lipomyces and Myxozyma yeasts. AIMS Environmental Science, 2016, 3, 1-20.	0.7	35
75	MiscanthusÃ—giganteus xylooligosaccharides: Purification and fermentation. Carbohydrate Polymers, 2016, 140, 96-103.	5.1	33
76	Kinetics of the Cell Cycle of Saccharomyces cerevisiae. Annals of the New York Academy of Sciences, 1992, 665, 59-71.	1.8	32
77	Expression of an AT-rich xylanase gene from the anaerobic fungus Orpinomyces sp. strain PC-2 in and secretion of the heterologous enzyme by Hypocrea jecorina. Applied Microbiology and Biotechnology, 2007, 74, 1264-1275.	1.7	32
78	Economics of plant oil recovery: A review. Biocatalysis and Agricultural Biotechnology, 2019, 18, 101056.	1.5	32
79	Simultaneous Saccharification and Fermentation and Partial Saccharification and Co-Fermentation of Lignocellulosic Biomass for Ethanol Production. Methods in Molecular Biology, 2009, 581, 263-280.	0.4	31
80	Bromodeoxyuridine labeling and flow cytometric identification of replicating Saccharomyces cerevisiae cells: lengths of cell cycle phases and population variability at specific cell cycle positions. Biotechnology Progress, 1991, 7, 291-298.	1.3	29
81	Candida arabinofermentans, a new L-arabinose fermenting yeast. Antonie Van Leeuwenhoek, 1998, 74, 237-243.	0.7	29
82	Engineered Saccharomyces cerevisiae strain for improved xylose utilization with a three-plasmid SUMO yeast expression system. Plasmid, 2009, 61, 22-38.	0.4	29
83	Cellulosic Butanol (ABE) Biofuel Production from Sweet Sorghum Bagasse (SSB): Impact of Hot Water Pretreatment and Solid Loadings on Fermentation Employing Clostridium beijerinckii P260. Bioenergy Research, 2016, 9, 1167-1179.	2.2	29
84	Fermentation of "Quick Fiber" Produced from a Modified Corn-Milling Process into Ethanol and Recovery of Corn Fiber. Applied Biochemistry and Biotechnology, 2004, 115, 0937-0950.	1.4	27
85	Functional Expression of Bacterial Zymobacter palmae Pyruvate Decarboxylase Gene in Lactococcus lactis. Current Microbiology, 2005, 50, 324-328.	1.0	27
86	Microbial lipid production from AFEXâ„¢ pretreated corn stover. RSC Advances, 2015, 5, 28725-28734.	1.7	26
87	Production of xylose enriched hydrolysate from bioenergy sorghum and its conversion to Î²-carotene using an engineered Saccharomyces cerevisiae. Bioresource Technology, 2020, 308, 123275.	4.8	26
88	Simultaneous detoxification, saccharification, and ethanol fermentation of weak-acid hydrolyzates. Industrial Crops and Products, 2013, 49, 292-298.	2.5	25
89	In Vitro Fermentation of Xylooligosaccharides Produced from <i>Miscanthus</i> Ã— <i><i>giganteus</i></i> by Human Fecal Microbiota. Journal of Agricultural and Food Chemistry, 2016, 64, 262-267.	2.4	25
90	Influence of genetic background of engineered xylose-fermenting industrial <i>Saccharomyces cerevisiae</i> strains for ethanol production from lignocellulosic hydrolysates. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 1575-1588.	1.4	25

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91	Overexpression of the Sorghum bicolor SbCCoAOMT alters cell wall associated hydroxycinnamoyl groups. PLoS ONE, 2018, 13, e0204153.	1.1	25
92	Use of tropical maize for bioethanol production. World Journal of Microbiology and Biotechnology, 2013, 29, 1509-1515.	1.7	24
93	Chapter 27 Cell-Cycle Analysis of Saccharomyces cerevisiae. Methods in Cell Biology, 1994, 42 Pt B, 457-475.	0.5	23
94	Engineering Candida phangngensisâ€"an oleaginous yeast from the Yarrowia cladeâ€"for enhanced detoxification of lignocellulose-derived inhibitors and lipid overproduction. FEMS Yeast Research, 2018, 18, .	1.1	22
95	Ethanol Fermentation of Starch from Field Peas. Cereal Chemistry, 2005, 82, 554-558.	1.1	21
96	Coexpression of pyruvate decarboxylase and alcohol dehydrogenase genes in<i>Lactobacillus brevis</i>. FEMS Microbiology Letters, 2007, 274, 291-297.	0.7	21
97	Effects of Forage Quality and Cell Wall Constituents of Bermuda Grass on Biochemical Conversion to Ethanol. Bioenergy Research, 2010, 3, 225-237.	2.2	21
98	Liquid chromatographyâ€"mass spectrometry investigation of enzyme-resistant xylooligosaccharide structures of switchgrass associated with ammonia pretreatment, enzymatic saccharification, and fermentation. Bioresource Technology, 2012, 110, 437-447.	4.8	21
99	Microfiltration of thin stillage: Process simulation and economic analyses. Biomass and Bioenergy, 2011, 35, 113-120.	2.9	20
100	Xylitol production from corn fibre hydrolysates by a two-stage fermentation process. Process Biochemistry, 2000, 35, 765-769.	1.8	19
101	Pretreatment of Wet-Milled Corn Fiber to Improve Recovery of Corn Fiber Oil and Phytosterols. Cereal Chemistry, 2003, 80, 118-122.	1.1	19
102	Profile of Enzyme Production by <I>Trichoderma reesei</I> Grown on Corn Fiber Fractions. Applied Biochemistry and Biotechnology, 2005, 121, 0321-0334.	1.4	19
103	Development of an Ethanol Yield Procedure for Dry-Grind Corn Processing. Cereal Chemistry, 2009, 86, 355-360.	1.1	19
104	Enzyme production by industrially relevant fungi cultured on coproduct from corn dry grind ethanol plants. Applied Biochemistry and Biotechnology, 2007, 137-140, 171-183.	1.4	18
105	Thin stillage fractionation using ultrafiltration: resistance in series model. Bioprocess and Biosystems Engineering, 2009, 32, 225-233.	1.7	18
106	Bioabatement to remove inhibitors from biomass-derived sugar hydrolysates. Applied Biochemistry and Biotechnology, 2005, 121-124, 379-90.	1.4	18
107	Properties of a Recombinant Î²-Glucosidase from Polycentric Anaerobic Fungus Orpinomyces PC-2 and Its Application for Cellulose Hydrolysis. Applied Biochemistry and Biotechnology, 2004, 113, 233-250.	1.4	17
108	Selective chemical oxidation and depolymerization of switchgrass (<i>Panicum virgatum</i> L.) xylan with oligosaccharide product analysis by mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 941-950.	0.7	17

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109	Comparisons of five <scp><i>S</i></scp><i>accharomyces cerevisiae</i> strains for ethanol production from SPORLâ€pretreated lodgepole pine. Biotechnology Progress, 2014, 30, 1076-1083.	1.3	17
110	Structural characterization of (1â†'2)-Î²-xylose-(1â†'3)-Î±-arabinose-containing oligosaccharide products of extracted switchgrass (Panicum virgatum, L.) xylan after exhaustive enzymatic treatment with Î±-arabinofuranosidase and Î²-endo-xylanase. Carbohydrate Research, 2014, 398, 63-71.	1.1	17
111	Impact of Harvest Time and Switchgrass Cultivar on Sugar Release Through Enzymatic Hydrolysis. Bioenergy Research, 2017, 10, 377-387.	2.2	17
112	Full-scale On-farm Pretreatment of Perennial Grasses with Dilute Acid for Fuel Ethanol Production. Bioenergy Research, 2010, 3, 335-341.	2.2	16
113	Cellulose conversion in dry grind ethanol plants. Bioresource Technology, 2008, 99, 5157-5159.	4.8	15
114	Nutrient recovery from the dry grind process using sequential micro and ultrafiltration of thin stillage. Bioresource Technology, 2010, 101, 3859-3863.	4.8	14
115	Bioconversion of Pelletized Big Bluestem, Switchgrass, and Low-Diversity Grass Mixtures Into Sugars and Bioethanol. Frontiers in Energy Research, 2018, 6, .	1.2	14
116	Hydrolysis and Fermentation of Pericarp and Endosperm Fibers Recovered from Enzymatic Corn Dry-Grind Process. Cereal Chemistry, 2005, 82, 616-620.	1.1	13
117	Heat transfer fouling characteristics of microfiltered thin stillage from the dry grind process. Bioresource Technology, 2010, 101, 6521-6527.	4.8	13
118	Conversion of SPORL pretreated Douglas fir forest residues into microbial lipids with oleaginous yeasts. RSC Advances, 2016, 6, 20695-20705.	1.7	13
119	Isolation and characterization of unhydrolyzed oligosaccharides from switchgrass (Panicum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Carbohydrate Research, 2015, 407, 42-50.	1.1	12
120	Field Productivities of Napier Grass for Production of Sugars and Ethanol. ACS Sustainable Chemistry and Engineering, 2020, 8, 2052-2060.	3.2	12
121	Effect of using a nitrogen atmosphere on enzyme hydrolysis at high corn stover loadings in an agitated reactor. Biotechnology Progress, 2020, 36, e3059.	1.3	11
122	Fiber Separated from Distillers Dried Grains with Solubles as a Feedstock for Ethanol Production. Cereal Chemistry, 2007, 84, 563-566.	1.1	10
123	Conversion of starch from dry common beans (Phaseolus vulgaris L.) to ethanol. Industrial Crops and Products, 2011, 33, 644-647.	2.5	10
124	Bioenergy crops grown for hyperaccumulation of phosphorous in the Delmarva Peninsula and their biofuels potential. Journal of Environmental Management, 2015, 150, 39-47.	3.8	9
125	Biochemical processing of reed canarygrass into fuel ethanol. International Journal of Low-Carbon Technologies, 2012, 7, 338-347.	1.2	8
126	Ultrafiltration of Thin Stillage from Conventional and E-Mill Dry Grind Processes. Applied Biochemistry and Biotechnology, 2011, 164, 58-67.	1.4	7

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127	Comparative Analysis of End Point Enzymatic Digests of Arabino-Xylan Isolated from Switchgrass (Panicum virgatum L) of Varying Maturities using LC-MSn. Metabolites, 2012, 2, 959-982.	1.3	7
128	Seashore mallow (Kosteletzkya pentacarpos) stems as a feedstock for biodegradable absorbents. Biomass and Bioenergy, 2013, 59, 300-305.	2.9	7
129	Improvement of Dryâ€Fractionation Ethanol Fermentation by Partial Germ Supplementation. Cereal Chemistry, 2015, 92, 218-223.	1.1	7
130	Impact of Harvest Time and Cultivar on Conversion of Switchgrass to Bio-oils Via Fast Pyrolysis. Bioenergy Research, 2017, 10, 388-399.	2.2	7
131	Recoveries of Oil and Hydrolyzed Sugars from Corn Germ Meal by Hydrothermal Pretreatment: A Model Feedstock for Lipid-Producing Energy Crops. Energies, 2020, 13, 6022.	1.6	7
132	Production of Ethanol from Corn and Sugarcane. , 0, , 1-15.		7
133	Effect of harvest maturity on carbohydrates for ethanol production from sugar enhanced temperateÃ—tropical maize hybrid. Industrial Crops and Products, 2014, 60, 266-272.	2.5	6
134	Recycle of fermentation process water through mitigation of inhibitors in dilute-acid corn stover hydrolysate. Bioresource Technology Reports, 2020, 9, 100349.	1.5	6
135	Influence of <i>Stenocarpella maydis</i> Infected Corn on the Composition of Corn Kernel and Its Conversion into Ethanol. Cereal Chemistry, 2012, 89, 15-23.	1.1	5
136	Highâ€conversion hydrolysates and corn sweetener production in dryâ€grind corn process. Cereal Chemistry, 2018, 95, 302-311.	1.1	5
137	Profile of enzyme production by Trichoderma reesei grown on corn fiber fractions. Applied Biochemistry and Biotechnology, 2005, 121-124, 321-34.	1.4	5
138	Switchgrass Biomass Composition Traits and their Effects on its Digestion by Ruminants and Bioconversion to Ethanol. Crop Science, 2017, 57, 275-281.	0.8	3
139	Development of Near-Infrared Reflectance Spectroscopy (NIRS) Calibrations for Traits Related to Ethanol Conversion from Genetically Variable Napier Grass (Pennisetum purpureum Schum.). Bioenergy Research, 2019, 12, 34-42.	2.2	3
140	Development of New Ethanologenic Escherichia coli Strains for Fermentation of Lignocellulosic Biomass. , 2000, , 181-196.		3
141	Fuel Ethanol Production from Corn Fiber Current Status and Technical Prospects. , 1998, , 115-125.		3
142	Assessment of Bermudagrass and Bunch Grasses as Feedstock for Conversion to Ethanol. , 2007, , 13-21.		3
143	Laboratory Yields and Process Stream Compositions from E-Mill and Dry-Grind Corn Processes Using a Granular Starch Hydrolyzing Enzyme. Cereal Chemistry, 2010, 87, 100-103.	1.1	2
144	Bioabatement to Remove Inhibitors from Biomass-Derived Sugar Hydrolysates. , 2005, , 379-390.		2

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145	Fermentation of "Quick Fiber" produced from a modified corn-milling process into ethanol and recovery of corn fiber. Applied Biochemistry and Biotechnology, 2004, 113-116, 937-49.	1.4	2
146	Coprocessing Corn Germ Meal for Oil Recovery and Ethanol Production: A Process Model for Lipid-Producing Energy Crops. Processes, 2022, 10, 661.	1.3	2
147	A Comparison Between Conversion Of Pericarp And Endosperm Fiber From Corn Into Ethanol. , 2004, , .		1
148	Designing Selection Criteria for Use of Reed Canarygrass as a Bioenergy Feedstock. Crop Science, 2015, 55, 2130-2137.	0.8	1
149	Techniques for the Evolution of Robust Pentose-fermenting Yeast for Bioconversion of Lignocellulose to Ethanol. Journal of Visualized Experiments, 2016, , .	0.2	1
150	Expression of an AT-rich xylanase gene from the anaerobic fungus Orpinomyces sp. strain PC-2 in and secretion of the heterologous enzyme by Hypocrea jecorina. , 2007, 74, 1264.		1
151	Fermentation of â€œQuick Fiberâ€•Produced from a Modified Corn-Milling Process into Ethanol and Recovery of Corn Fiber Oil. , 2004, , 937-949.		1
152	Screening for Oily Yeasts Able to Convert Hydrolysates from Biomass to Biofuels While Maintaining Industrial Process Relevance. Methods in Molecular Biology, 2019, 1995, 249-283.	0.4	0
153	Near-Complete Genome Sequence of Zygosaccharomyces rouxii NRRL Y-64007, a Yeast Capable of Growing on Lignocellulosic Hydrolysates. Microbiology Resource Announcements, 2022, , e0005022.	0.3	0