Bruce E Dale

List of Publications by Year
in descending order

222 papers	25,990 citations	9786 73 h-index	6471 157 g-index
225 all docs	225 docs citations	225 times ranked	17146 citing authors

#	Article	IF	Citations
1	Meeting global challenges with regenerative agriculture producing food and energy. Nature Sustainability, 2022, 5, 384-388.	23.7	53
2	Understanding the structure and composition of recalcitrant oligosaccharides in hydrolysate using high-throughput biotin-based glycome profiling and mass spectrometry. Scientific Reports, 2022, 12, 2521.	3.3	0
3	Development of an ammonia pretreatment that creates synergies between biorefineries and advanced biomass logistics models. Green Chemistry, 2022, 24, 4443-4462.	9.0	10
4	Coupling AFEX and steam-exploded sugarcane residue pellets with a room temperature CIII-activation step lowered enzyme dosage requirements for sugar conversion. Chemical Engineering Journal, 2022, 446, 137117.	12.7	3
5	Transforming biorefinery designs with â€˜Plug-In Processes of Ligninâ€™ to enable economic waste valorization. Nature Communications, 2021, 12, 3912.	12.8	71
6	The potential for expanding sustainable biogas production and some possible impacts in specific countries. Biofuels, Bioproducts and Biorefining, 2020, 14, 1335-1347.	3.7	15
7	Carbon-Negative Biofuel Production. Environmental Science & Technology, 2020, 54, 10797-10807.	10.0	26
8	Ammonia Fiber Expansion (AFEX) Pretreatment of Lignocellulosic Biomass. Journal of Visualized Experiments, 2020, , .	0.3	23
9	People, planet and profit: farmers are key to the sustainable bioeconomy. Biofuels, Bioproducts and Biorefining, 2020, 14, 99-100.	3.7	1
10	Sustainable feedstock for bioethanol production: Impact of spatial resolution on the design of a sustainable biomass supply-chain. Bioresource Technology, 2020, 302, 122896.	9.6	14
11	Impact of Ammonia Pretreatment Conditions on the Cellulose III Allomorph Ultrastructure and Its Enzymatic Digestibility. ACS Sustainable Chemistry and Engineering, 2019, 7, 14411-14424.	6.7	17
12	Sugarcane ethanol and beef cattle integration in Brazil. Biomass and Bioenergy, 2019, 120, 448-457.	5.7	34
13	Effects of ammonia fiber expansion (AFEX) treated corn stover on anaerobic microbes and corresponding digestion performance. Biomass and Bioenergy, 2019, 127, 105263.	5.7	12
14	AFEXâ„¢ Pretreatment-Based Biorefinery Technologies. , 2019, , 1-16.		1
15	Integration in a depotâ€based decentralized biorefinery system: Corn stoverâ€based cellulosic biofuel. GCB Bioenergy, 2019, 11, 871-882.	5.6	22
16	The Renewable Fuel Standard May Limit Overall Greenhouse Gas Savings by Corn Stover-Based Cellulosic Biofuels in the U.S. Midwest: Effects of the Regulatory Approach on Projected Emissions. Environmental Science & Technology, 2019, 53, 2288-2294.	10.0	6
17	Effects of Extractive Ammonia Pretreatment on the Ultrastructure and Glycan Composition of Corn Stover. Frontiers in Energy Research, 2019, 7, .	2.3	13
18	Incorporating anaerobic co-digestion of steam exploded or ammonia fiber expansion pretreated sugarcane residues with manure into a sugarcane-based bioenergy-livestock nexus. Bioresource Technology, 2019, 272, 326-336.	9.6	47

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19	Lignin Conversion to Low-Molecular-Weight Aromatics via an Aerobic Oxidation-Hydrolysis Sequence: Comparison of Different Lignin Sources. ACS Sustainable Chemistry and Engineering, 2018, 6, 3367-3374.	6.7	118
20	Celluloseâ€“hemicellulose interactions at elevated temperatures increase cellulose recalcitrance to biological conversion. Green Chemistry, 2018, 20, 921-934.	9.0	49
21	Corn stover cannot simultaneously meet both the volume and GHG reduction requirements of the renewable fuel standard. Biofuels, Bioproducts and Biorefining, 2018, 12, 203-212.	3.7	11
22	Time to Rethink Cellulosic Biofuels?. Biofuels, Bioproducts and Biorefining, 2018, 12, 5-7.	3.7	30
23	Sequential crops for food, energy, and economic development in rural areas: the case of Sicily. Biofuels, Bioproducts and Biorefining, 2018, 12, 22-28.	3.7	28
24	AFEXâ„¢ Pretreatment-Based Biorefinery Technologies. , 2018, , 1-16.		2
25	Mixing alkali pretreated and acid pretreated biomass for cellulosic ethanol production featuring reduced chemical use and decreased inhibitory effect. Industrial Crops and Products, 2018, 124, 719-725.	5.2	31
26	Using steam explosion or AFEXâ„¢ to produce animal feeds and biofuel feedstocks in a biorefinery based on sugarcane residues. Biofuels, Bioproducts and Biorefining, 2018, 12, 978-996.	3.7	21
27	Anaerobic co-digestion of multiple agricultural residues to enhance biogas production in southern Italy. Waste Management, 2018, 78, 151-157.	7.4	57
28	The effect of alkali-soluble lignin on purified core cellulase and hemicellulase activities during hydrolysis of extractive ammonia-pretreated lignocellulosic biomass. Royal Society Open Science, 2018, 5, 171529.	2.4	3
29	EISA (Energy Independence and Security Act) compliant ethanol fuel from corn stover in a depotâ€based decentralized system. Biofuels, Bioproducts and Biorefining, 2018, 12, 873-881.	3.7	6
30	Conversion of lignocellulosic agave residues into liquid biofuels using an AFEXâ„¢-based biorefinery. Biotechnology for Biofuels, 2018, 11, 7.	6.2	57
31	Ethanol production potential from AFEXâ„¢ and steam-exploded sugarcane residues for sugarcane biorefineries. Biotechnology for Biofuels, 2018, 11, 127.	6.2	48
32	Water-soluble phenolic compounds produced from extractive ammonia pretreatment exerted binary inhibitory effects on yeast fermentation using synthetic hydrolysate. PLoS ONE, 2018, 13, e0194012.	2.5	39
33	A sober view of the difficulties in scaling cellulosic biofuels. Biofuels, Bioproducts and Biorefining, 2017, 11, 5-7.	3.7	37
34	The role of bioenergy in a climate-changing world. Environmental Development, 2017, 23, 57-64.	4.1	120
35	Development of rapid bioconversion with integrated recycle technology for ethanol production from extractive ammonia pretreated corn stover. Biotechnology and Bioengineering, 2017, 114, 1713-1720.	3.3	13
36	Techno-economic comparison of centralized versus decentralized biorefineries for two alkaline pretreatment processes. Bioresource Technology, 2017, 226, 9-17.	9.6	33

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37	Fed-batch hydrolysate addition and cell separation by settling in high cell density lignocellulosic ethanol fermentations on AFEXâ„¢ corn stover in the Rapid Bioconversion with Integrated recycling Technology process. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 1261-1272.	3.0	8
38	Feeding a sustainable chemical industry: do we have the bioproducts cart before the feedstocks horse?. Faraday Discussions, 2017, 202, 11-30.	3.2	18
39	Greenhouse gas emissions of electricity and biomethane produced using the Biogasdonerightâ„¢ system: four case studies from Italy. Biofuels, Bioproducts and Biorefining, 2017, 11, 847-860.	3.7	52
40	Comprehensive characterization of non-cellulosic recalcitrant cell wall carbohydrates in unhydrolyzed solids from AFEX-pretreated corn stover. Biotechnology for Biofuels, 2017, 10, 82.	6.2	20
41	Cellulosic biofuel contributions to a sustainable energy future: Choices and outcomes. Science, 2017, 356, .	12.6	314
42	Toward high solids loading process for lignocellulosic biofuel production at a low cost. Biotechnology and Bioengineering, 2017, 114, 980-989.	3.3	44
43	Systems biology-guided biodesign of consolidated lignin conversion. Green Chemistry, 2016, 18, 5536-5547.	9.0	119
44	Sugarcane: a way out of energy poverty. Biofuels, Bioproducts and Biorefining, 2016, 10, 393-408.	3.7	5
45	Evaluation of agave bagasse recalcitrance using AFEXâ„¢, autohydrolysis, and ionic liquid pretreatments. Bioresource Technology, 2016, 211, 216-223.	9.6	74
46	Isolation and characterization of new lignin streams derived from extractive-ammonia (EA) pretreatment. Green Chemistry, 2016, 18, 4205-4215.	9.0	68
47	Biogasdonerightâ„¢: An innovative new system is commercialized in Italy. Biofuels, Bioproducts and Biorefining, 2016, 10, 341-345.	3.7	46
48	A distributed cellulosic biorefinery system in the US Midwest based on corn stover. Biofuels, Bioproducts and Biorefining, 2016, 10, 819-832.	3.7	24
49	Quantifying pretreatment degradation compounds in solution and accumulated by cells during solids and yeast recycling in the Rapid Bioconversion with Integrated recycling Technology process using AFEXâ„¢ corn stover. Bioresource Technology, 2016, 205, 24-33.	9.6	17
50	Next-generation ammonia pretreatment enhances cellulosic biofuel production. Energy and Environmental Science, 2016, 9, 1215-1223.	30.8	169
51	Scaling up and benchmarking of ethanol production from pelletized pilot scale AFEX treated corn stover using <i>Zymomonas mobilis</i> 8b. Biofuels, 2016, 7, 253-262.	2.4	25
52	Effects of changes in chemical and structural characteristic of ammonia fibre expansion (AFEX) pretreated oil palm empty fruit bunch fibre on enzymatic saccharification and fermentability for biohydrogen. Bioresource Technology, 2016, 211, 200-208.	9.6	95
53	Toward lower cost cellulosic biofuel production using ammonia based pretreatment technologies. Green Chemistry, 2016, 18, 957-966.	9.0	68
54	Controlling microbial contamination during hydrolysis of AFEX-pretreated corn stover and switchgrass: effects on hydrolysate composition, microbial response and fermentation. Biotechnology for Biofuels, 2015, 8, 180.	6.2	40

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55	All biomass is local: The cost, volume produced, and global warming impact of cellulosic biofuels depend strongly on logistics and local conditions. Biofuels, Bioproducts and Biorefining, 2015, 9, 422-434.	3.7	49
56	Potential job creation in the cellulosic biofuel industry: the effect of feedstock price. Biofuels, Bioproducts and Biorefining, 2015, 9, 639-647.	3.7	13
57	Insights into plant cell wall structure, architecture, and integrity using glycome profiling of native and AFEX^{TM}-pre-treated biomass. Journal of Experimental Botany, 2015, 66, 4279-4294.	4.8	57
58	Sugar loss and enzyme inhibition due to oligosaccharide accumulation during high solids-loading enzymatic hydrolysis. Biotechnology for Biofuels, 2015, 8, 195.	6.2	73
59	Comparing alternative cellulosic biomass biorefining systems: Centralized versus distributed processing systems. Biomass and Bioenergy, 2015, 74, 135-147.	5.7	89
60	A New Industry Has Been Launched: The Cellulosic Biofuels Ship (Finally) Sails. Biofuels, Bioproducts and Biorefining, 2015, 9, 1-3.	3.7	23
61	Physical characteristics of AFEX-pretreated andÂdensified switchgrass, prairie cord grass, andÂcorn stover. Biomass and Bioenergy, 2015, 78, 164-174.	5.7	18
62	Potential for Electrified Vehicles to Contribute to U.S. Petroleum and Climate Goals and Implications for Advanced Biofuels. Environmental Science & Technology, 2015, 49, 8277-8286.	10.0	30
63	Designer synthetic media for studying microbial-catalyzed biofuel production. Biotechnology for Biofuels, 2015, 8, 1.	6.2	418
64	Microbial lipid production from AFEXâ„¢ pretreated corn stover. RSC Advances, 2015, 5, 28725-28734.	3.6	26
65	Lignin triggers irreversible cellulase loss during pretreated lignocellulosic biomass saccharification. Biotechnology for Biofuels, 2014, 7, 175.	6.2	90
66	Indirect land use change and biofuels: Mathematical analysis reveals a fundamental flaw in the regulatory approach. Biomass and Bioenergy, 2014, 71, 408-412.	5.7	9
67	Probing the nature of AFEX-pretreated corn stover derived decomposition products that inhibit cellulase activity. Bioresource Technology, 2014, 152, 38-45.	9.6	15
68	Enzymatic hydrolysis of pelletized AFEXâ„¢â€treated corn stover at high solid loadings. Biotechnology and Bioengineering, 2014, 111, 264-271.	3.3	60
69	Energy Requirements and Greenhouse Gas Emissions of Maize Production in the USA. Bioenergy Research, 2014, 7, 753-764.	3.9	39
70	Take a Closer Look: Biofuels Can Support Environmental, Economic and Social Goals. Environmental Science & Technology, 2014, 48, 7200-7203.	10.0	120
71	Integrating kinetics with thermodynamics to study the alkaline extraction of protein from <i>Caragana korshinskii</i> Kom. Biotechnology and Bioengineering, 2014, 111, 1801-1808.	3.3	4
72	Comparison of enzymatic reactivity of corn stover solids prepared by dilute acid, AFEXâ„¢, and ionic liquid pretreatments. Biotechnology for Biofuels, 2014, 7, 71.	6.2	81

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73	A comparative study of ethanol production using dilute acid, ionic liquid and AFEXâ„¢ pretreated corn stover. Biotechnology for Biofuels, 2014, 7, 72.	6.2	199
74	Studying the rapid bioconversion of lignocellulosic sugars into ethanol using high cell density fermentations with cell recycle. Biotechnology for Biofuels, 2014, 7, 73.	6.2	41
75	Design, implementation, and evaluation of sustainable bioenergy production systems. Biofuels, Bioproducts and Biorefining, 2014, 8, 487-503.	3.7	25
76	Engineering and Two-Stage Evolution of a Lignocellulosic Hydrolysate-Tolerant Saccharomyces cerevisiae Strain for Anaerobic Fermentation of Xylose from AFEX Pretreated Corn Stover. PLoS ONE, 2014, 9, e107499.	2.5	91
77	Performance of AFEXâ„¢ pretreated rice straw as source of fermentable sugars: the influence of particle size. Biotechnology for Biofuels, 2013, 6, 40.	6.2	69
78	Effect of storage conditions on the stability and fermentability of enzymatic lignocellulosic hydrolysate. Bioresource Technology, 2013, 147, 212-220.	9.6	19
79	In-house cellulase production from AFEXâ„¢ pretreated corn stover using Trichoderma reesei RUT C-30. RSC Advances, 2013, 3, 25960.	3.6	52
80	The watershedâ€scale optimized and rearranged landscape design (<scp>WORLD</scp>) model and local biomass processing depots for sustainable biofuel production: Integrated life cycle assessments. Biofuels, Bioproducts and Biorefining, 2013, 7, 537-550.	3.7	25
81	Phenotypic selection of a wild Saccharomyces cerevisiae strain for simultaneous saccharification and co-fermentation of AFEXâ„¢ pretreated corn stover. Biotechnology for Biofuels, 2013, 6, 108.	6.2	47
82	The times they are a-changinâ€™: the end of cheap oil and how it is changing our world. Biofuels, Bioproducts and Biorefining, 2013, 7, 1-4.	3.7	1
83	Evaluation of storage methods for the conversion of corn stover biomass to sugars based on steam explosion pretreatment. Bioresource Technology, 2013, 132, 5-15.	9.6	78
84	Effects of biomass particle size on steam explosion pretreatment performance for improving the enzyme digestibility of corn stover. Industrial Crops and Products, 2013, 44, 176-184.	5.2	133
85	Continuous SSCF of AFEXâ„¢ pretreated corn stover for enhanced ethanol productivity using commercial enzymes and <i>Saccharomyces cerevisiae</i> 424A (LNHâ€ST). Biotechnology and Bioengineering, 2013, 110, 1302-1311.	3.3	37
86	Can Dispersed Biomass Processing Protect the Environment and Cover the Bottom Line for Biofuel?. Environmental Science & Technology, 2013, 47, 130111153807001.	10.0	8
87	Complex Physiology and Compound Stress Responses during Fermentation of Alkali-Pretreated Corn Stover Hydrolysate by an Escherichia coli Ethanologen. Applied and Environmental Microbiology, 2012, 78, 3442-3457.	3.1	57
88	Downregulation of Maize Cinnamoylâ€Coenzyme A Reductase via RNA Interference Technology Causes Brown Midrib and Improves Ammonia Fiber Expansionâ€Pretreated Conversion into Fermentable Sugars for Biofuels. Crop Science, 2012, 52, 2687-2701.	1.8	31
89	An alternative approach to indirect land use change: Allocating greenhouse gas effects among different uses ofÂ land. Biomass and Bioenergy, 2012, 46, 447-452.	5.7	13
90	An integrated paradigm for cellulosic biorefineries: utilization of lignocellulosic biomass as self-sufficient feedstocks for fuel, food precursors and saccharolytic enzyme production. Energy and Environmental Science, 2012, 5, 7100.	30.8	83

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91	Biochemical and Thermochemical Conversion of Switchgrass to Biofuels. Green Energy and Technology, 2012, , 153-185.	0.6	14
92	A novel integrated biological process for cellulosic ethanol production featuring high ethanol productivity, enzyme recycling and yeast cells reuse. Energy and Environmental Science, 2012, 5, 7168.	30.8	90
93	Energy, wealth, and human development: Why and how biomass pretreatment research must improve. Biotechnology Progress, 2012, 28, 893-898.	2.6	72
94	AFEX Pretreatment and Enzymatic Conversion of Black Locust (Robinia pseudoacacia L.) to Soluble Sugars. Bioenergy Research, 2012, 5, 306-318.	3.9	22
95	Low Temperature and Long Residence Time AFEX Pretreatment of Corn Stover. Bioenergy Research, 2012, 5, 372-379.	3.9	31
96	Guayule as a feedstock for lignocellulosic biorefineries using ammonia fiber expansion (AFEX) pretreatment. Industrial Crops and Products, 2012, 37, 486-492.	5.2	22
97	Optimization of AFEXâ„¢ pretreatment conditions and enzyme mixtures to maximize sugar release from upland and lowland switchgrass. Bioresource Technology, 2012, 104, 757-768.	9.6	40
98	Developing a model for assessing biomass processing technologies within a local biomass processing depot. Bioresource Technology, 2012, 106, 161-169.	9.6	57
99	Quantitatively understanding reduced xylose fermentation performance in AFEXTM treated corn stover hydrolysate using Saccharomyces cerevisiae 424A (LNH-ST) and Escherichia coli KO11. Bioresource Technology, 2012, 111, 294-300.	9.6	40
100	Energy consumption, wealth, and biofuels: helping human beings achieve their potential. Biofuels, Bioproducts and Biorefining, 2012, 6, 1-3.	3.7	7
101	Restructuring the Crystalline Cellulose Hydrogen Bond Network Enhances Its Depolymerization Rate. Journal of the American Chemical Society, 2011, 133, 11163-11174.	13.7	321
102	Deconstruction of Lignocellulosic Biomass to Fuels and Chemicals. Annual Review of Chemical and Biomolecular Engineering, 2011, 2, 121-145.	6.8	804
103	Multi-scale visualization and characterization of lignocellulosic plant cell wall deconstruction during thermochemical pretreatment. Energy and Environmental Science, 2011, 4, 973.	30.8	437
104	Comparative life cycle assessment of centralized and distributed biomass processing systems combined with mixed feedstock landscapes. GCB Bioenergy, 2011, 3, 427-438.	5.6	45
105	Corn Harvest Strategies for Combined Starch and Cellulosic Bioprocessing to Ethanol. Agronomy Journal, 2011, 103, 844-850.	1.8	13
106	Seeking to Understand the Reasons for Different Energy Return on Investment (EROI) Estimates for Biofuels. Sustainability, 2011, 3, 2413-2432.	3.2	77
107	Response to comments by Oâ€™Hare etÂal., on the paper indirect land use change for biofuels: Testing predictions and improving analytical methodologies. Biomass and Bioenergy, 2011, 35, 4492-4493.	5.7	6
108	Comparative material balances around pretreatment technologies for the conversion of switchgrass to soluble sugars. Bioresource Technology, 2011, 102, 11063-11071.	9.6	117

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109	Comparative study on enzymatic digestibility of switchgrass varieties and harvests processed by leading pretreatment technologies. Bioresource Technology, 2011, 102, 11089-11096.	9.6	93
110	Process and technoeconomic analysis of leading pretreatment technologies for lignocellulosic ethanol production using switchgrass. Bioresource Technology, 2011, 102, 11105-11114.	9.6	274
111	The quest for alternatives to microbial cellulase mix production: corn stover-produced heterologous multi-cellulases readily deconstruct lignocellulosic biomass into fermentable sugars. Journal of Chemical Technology and Biotechnology, 2011, 86, 633-641.	3.2	28
112	Protease digestion from wheat stillage within a dry grind ethanol facility. Biotechnology Progress, 2011, 27, 428-434.	2.6	5
113	Comparative lipidomic profiling of xyloseâ€metabolizing <i>S. cerevisiae</i> and its parental strain in different media reveals correlations between membrane lipids and fermentation capacity. Biotechnology and Bioengineering, 2011, 108, 12-21.	3.3	27
114	Economic comparison of multiple techniques for recovering leaf protein in biomass processing. Biotechnology and Bioengineering, 2011, 108, 530-537.	3.3	51
115	Consolidated bioprocessing (CBP) performance of <i>Clostridium phytofermentans</i> on AFEXâ€treated corn stover for ethanol production. Biotechnology and Bioengineering, 2011, 108, 1290-1297.	3.3	96
116	Blazing a trail for the â€˜green and narrow wayâ€™. Biofuels, Bioproducts and Biorefining, 2011, 5, 1-2.	3.7	2
117	Biofuels and water: another opportunity to â€˜do biofuels rightâ€™. Biofuels, Bioproducts and Biorefining, 2011, 5, 347-349.	3.7	3
118	Advanced Regional Biomass Processing Depots: a key to the logistical challenges of the cellulosic biofuel industry. Biofuels, Bioproducts and Biorefining, 2011, 5, 621-630.	3.7	110
119	Influence of physico-chemical changes on enzymatic digestibility of ionic liquid and AFEX pretreated corn stover. Bioresource Technology, 2011, 102, 6928-6936.	9.6	203
120	Indirect land use change for biofuels: Testing predictions and improving analytical methodologies. Biomass and Bioenergy, 2011, 35, 3235-3240.	5.7	98
121	Rapid quantification of major reaction products formed during thermochemical pretreatment of lignocellulosic biomass using GCâ€“MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1018-1022.	2.3	20
122	Ammonia Fiber Expansion (AFEX) Pretreatment, Enzymatic Hydrolysis, and Fermentation on Empty Palm Fruit Bunch Fiber (EPFBF) for Cellulosic Ethanol Production. Applied Biochemistry and Biotechnology, 2010, 162, 1847-1857.	2.9	65
123	Strategy for Identification of Novel Fungal and Bacterial Glycosyl Hydrolase Hybrid Mixtures that can Efficiently Saccharify Pretreated Lignocellulosic Biomass. Bioenergy Research, 2010, 3, 67-81.	3.9	35
124	Ten reasons why it's different this time. Biofuels, Bioproducts and Biorefining, 2010, 4, 1-3.	3.7	2
125	Global sustainable bioenergy project offers a new approach to key bioenergy issues. Biofuels, Bioproducts and Biorefining, 2010, 4, 8-11.	3.7	4
126	Alkaliâ€based AFEX pretreatment for the conversion of sugarcane bagasse and cane leaf residues to ethanol. Biotechnology and Bioengineering, 2010, 107, 441-450.	3.3	168

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127	Two-step SSCF to convert AFEX-treated switchgrass to ethanol using commercial enzymes and Saccharomyces cerevisiae 424A(LNH-ST). Bioresource Technology, 2010, 101, 8171-8178.	9.6	106
128	Process optimization to convert forage and sweet sorghum bagasse to ethanol based on ammonia fiber expansion (AFEX) pretreatment. Bioresource Technology, 2010, 101, 1285-1292.	9.6	216
129	Effect of primary degradationâ€“reaction products from Ammonia Fiber Expansion (AFEX)-treated corn stover on the growth and fermentation of Escherichia coli KO11. Bioresource Technology, 2010, 101, 7849-7855.	9.6	25
130	Multifaceted characterization of cell wall decomposition products formed during ammonia fiber expansion (AFEX) and dilute acid based pretreatments. Bioresource Technology, 2010, 101, 8429-8438.	9.6	242
131	Evaluation of ammonia fibre expansion (AFEX) pretreatment for enzymatic hydrolysis of switchgrass harvested in different seasons and locations. Biotechnology for Biofuels, 2010, 3, 1.	6.2	365
132	Comparing the fermentation performance of Escherichia coli KO11, Saccharomyces cerevisiae 424A(LNH-ST) and Zymomonas mobilis AX101 for cellulosic ethanol production. Biotechnology for Biofuels, 2010, 3, 11.	6.2	124
133	Role of Photodegradation in the Fate of Fluorescent Whitening Agents (FWAs) in Lacustrine Environments. Environmental Science & Technology, 2010, 44, 8791-8791.	10.0	39
134	Biofuels Done Right: Land Efficient Animal Feeds Enable Large Environmental and Energy Benefits. Environmental Science & Technology, 2010, 44, 8385-8389.	10.0	93
135	Ammonia fiber expansion (AFEX) treatment of eleven different forages: Improvements to fiber digestibility in vitro. Animal Feed Science and Technology, 2010, 155, 147-155.	2.2	51
136	Biofuels: good science must precede good policy. Biofuels, Bioproducts and Biorefining, 2009, 3, 1-2.	3.7	4
137	Projected mature technology scenarios for conversion of cellulosic biomass to ethanol with coproduction thermochemical fuels, power, and/or animal feed protein. Biofuels, Bioproducts and Biorefining, 2009, 3, 231-246.	3.7	59
138	Protein feeds coproduction in biomass conversion to fuels and chemicals. Biofuels, Bioproducts and Biorefining, 2009, 3, 219-230.	3.7	90
139	A very unlevel playing field indeed. Biofuels, Bioproducts and Biorefining, 2009, 3, 289-290.	3.7	0
140	Enzymatic digestibility and pretreatment degradation products of AFEXâ€treated hardwoods (<i>Populus nigra</i>). Biotechnology Progress, 2009, 25, 365-375.	2.6	127
141	Conversion of Extracted Oil Cake Fibers into Bioethanol Including DDGS, Canola, Sunflower, Sesame, Soy, and Peanut for Integrated Biodiesel Processing. JAOCS, Journal of the American Oil Chemists' Society, 2009, 86, 157-165.	1.9	43
142	Life cycle assessment of corn grain and corn stover in the United States. International Journal of Life Cycle Assessment, 2009, 14, 160-174.	4.7	179
143	Enzymes for pharmaceutical applicationsâ€”a cradle-to-gate life cycle assessment. International Journal of Life Cycle Assessment, 2009, 14, 392-400.	4.7	72
144	Optimization of enzymatic hydrolysis and ethanol fermentation from AFEX-treated rice straw. Applied Microbiology and Biotechnology, 2009, 84, 667-676.	3.6	157

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145	Optimizing harvest of corn stover fractions based on overall sugar yields following ammonia fiber expansion pretreatment and enzymatic hydrolysis. Biotechnology for Biofuels, 2009, 2, 29.	6.2	55
146	Integrating alkaline extraction of proteins with enzymatic hydrolysis of cellulose from wet distillerâ€™s grains and solubles. Bioresource Technology, 2009, 100, 5876-5883.	9.6	29
147	â€˜Cradle-to-graveâ€™ assessment of existing lignocellulose pretreatment technologies. Current Opinion in Biotechnology, 2009, 20, 339-347.	6.6	436
148	Biofuels, Land Use Change, and Greenhouse Gas Emissions: Some Unexplored Variables. Environmental Science & Technology, 2009, 43, 961-967.	10.0	235
149	Lignocellulosic Biomass Pretreatment Using AFEX. Methods in Molecular Biology, 2009, 581, 61-77.	0.9	180
150	Cellulosic ethanol production from AFEX-treated corn stover using <i>Saccharomyces cerevisiae</i> 424A(LNH-ST). Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1368-1373.	7.1	342
151	Mushroom spent straw: a potential substrate for an ethanol-based biorefinery. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 293-301.	3.0	88
152	Ethanolic fermentation of hydrolysates from ammonia fiber expansion (AFEX) treated corn stover and distillers grain without detoxification and external nutrient supplementation. Biotechnology and Bioengineering, 2008, 99, 529-539.	3.3	92
153	Highâ€throughput microplate technique for enzymatic hydrolysis of lignocellulosic biomass. Biotechnology and Bioengineering, 2008, 99, 1281-1294.	3.3	120
154	Improving the cornâ€ethanol industry: Studying protein separation techniques to obtain higher valueâ€added product options for distillers grains. Biotechnology and Bioengineering, 2008, 101, 49-61.	3.3	23
155	Net energy: still a (mostly) irrelevant, misleading and dangerous metric. Biofuels, Bioproducts and Biorefining, 2008, 2, 495-496.	3.7	7
156	Response to Dr. Poldy's questions in this issue. Biofuels, Bioproducts and Biorefining, 2008, 2, 500-500.	3.7	0
157	A level playing field for biofuels and bioproducts. Biofuels, Bioproducts and Biorefining, 2008, 2, 1-2.	3.7	2
158	Enzyme characterization for hydrolysis of AFEX and liquid hot-water pretreated distillersâ€™ grains and their conversion to ethanol. Bioresource Technology, 2008, 99, 5216-5225.	9.6	144
159	Enzyme hydrolysis and ethanol fermentation of liquid hot water and AFEX pretreated distillersâ€™ grains at high-solids loadings. Bioresource Technology, 2008, 99, 5206-5215.	9.6	131
160	Life cycle assessment of fuel ethanol derived from corn grain via dry milling. Bioresource Technology, 2008, 99, 5250-5260.	9.6	93
161	Distillers grains: On the pathway to cellulose conversion. Bioresource Technology, 2008, 99, 5155-5156.	9.6	7
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