Jie Bao

List of Publications by Year
in descending order

149 papers	5,593 citations	94269 37 h-index	98622 67 g-index
150 all docs	150 docs citations	150 times ranked	4862 citing authors

#	Article	IF	Citations
1	Upgrading steam pretreatment by converting water-soluble carbohydrates into lactic acid prior to pretreatment. Biomass Conversion and Biorefinery, 2023, 13, 43-49.	2.9	6
2	Tolerance of Trichosporon cutaneum to lignin derived phenolic aldehydes facilitate the cell growth and cellulosic lipid accumulation. Journal of Biotechnology, 2022, 343, 32-37.	1.9	10
3	Increasing Acid Tolerance of an Engineered Lactic Acid Bacterium Pediococcus acidilactici for L-Lactic Acid Production. Fermentation, 2022, 8, 96.	1.4	2
4	Ultraâ€centrifugation force in adaptive evolution changes the cell structure of oleaginous yeast <i>Trichosporon cutaneum</i> into a favorable space for lipid accumulation. Biotechnology and Bioengineering, 2022, 119, 1509-1521.	1.7	8
5	Engineering <i>Corynebacterium glutamicum</i> for synthesis of poly(3â€hydroxybutyrate) from lignocellulose biomass. Biotechnology and Bioengineering, 2022, 119, 1598-1613.	1.7	8
6	Cellulosic hydrocarbons production by engineering dual synthesis pathways in Corynebacterium glutamicum. , 2022, 15, 29.		3
7	Cyclic <scp>l</scp>â€lactide synthesis from lignocellulose biomass by biorefining with complete inhibitor removal and highly simultaneous sugars assimilation. Biotechnology and Bioengineering, 2022, 119, 1903-1915.	1.7	18
8	Re-examination of dilute acid hydrolysis of lignocellulose for production of cellulosic ethanol after de-bottlenecking the inhibitor barrier. Journal of Biotechnology, 2022, 353, 36-43.	1.9	8
9	Cover Image, Volume 119, Number 7, July 2022. Biotechnology and Bioengineering, 2022, 119, .	1.7	0
10	Continuous enzymatic saccharification and its rheology profiling under high solids loading of lignocellulose biomass. Biochemical Engineering Journal, 2022, 186, 108543.	1.8	5
11	Use of Endoglucanase and Accessory Enzymes to Facilitate Mechanical Pulp Nanofibrillation. ACS Sustainable Chemistry and Engineering, 2021, 9, 1406-1413.	3.2	26
12	Lysine Production by Dry Biorefining of Wheat Straw and Cofermentation of <i>Corynebacterium glutamicum</i>. Journal of Agricultural and Food Chemistry, 2021, 69, 1900-1906.	2.4	10
13	Increasing sodium lactate production by enhancement of Na+ transmembrane transportation in Pediococcus acidilactici. Bioresource Technology, 2021, 323, 124562.	4.8	1
14	Year-Round Storage Operation of Three Major Agricultural Crop Residue Biomasses by Performing Dry Acid Pretreatment at Regional Collection Depots. ACS Sustainable Chemistry and Engineering, 2021, 9, 4722-4734.	3.2	10
15	Improved fermentative Î³-aminobutyric acid production by secretory expression of glutamate decarboxylase by Corynebacterium glutamicum. Journal of Biotechnology, 2021, 331, 19-25.	1.9	15
16	Increasing cellulosic ethanol production by enhancing phenolic tolerance of Zymomonas mobilis in adaptive evolution. Bioresource Technology, 2021, 329, 124926.	4.8	23
17	Optically pure lactic acid production from softwood-derived mannose by Pediococcus acidilactici. Journal of Biotechnology, 2021, 335, 1-8.	1.9	11
18	Transformation of lignocellulose to starchâ€like carbohydrates by organic acidâ€catalyzed pretreatment and biological detoxification. Biotechnology and Bioengineering, 2021, 118, 4105-4118.	1.7	20

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19	Microbial lipid fermentation of Trichosporon cutaneum in high saline water. Bioresources and Bioprocessing, 2021, 8, .	2.0	5
20	Reframing biorefinery processing chain of corn fiber for cellulosic ethanol production. Industrial Crops and Products, 2021, 170, 113791.	2.5	20
21	Itaconic acid fermentation using activated charcoal-treated corn stover hydrolysate and process evaluation based on Aspen plus model. Biomass Conversion and Biorefinery, 2020, 10, 463-470.	2.9	20
22	A short-chain dehydrogenase plays a key role in cellulosic D-lactic acid fermentability of Pediococcus acidilactici. Bioresource Technology, 2020, 297, 122473.	4.8	26
23	Potential To Produce Sugars and Lignin-Containing Cellulose Nanofibrils from Enzymatically Hydrolyzed Chemi-Thermomechanical Pulps. ACS Sustainable Chemistry and Engineering, 2020, 8, 14955-14963.	3.2	29
24	Formulating a fully converged biorefining chain with zero wastewater generation by recycling stillage liquid to dry acid pretreatment operation. Bioresource Technology, 2020, 318, 124077.	4.8	9
25	An oxidoreductase gene ZMO1116 enhances the p-benzoquinone biodegradation and chiral lactic acid fermentability of Pediococcus acidilactici. Journal of Biotechnology, 2020, 323, 231-237.	1.9	11
26	Biofuels Production from Renewable Resources. Biotechnology and Applied Biochemistry, 2020, 67, 711-713.	1.4	3
27	High-Titer Glutamic Acid Production from Lignocellulose Using an Engineered <i>Corynebacterium glutamicum</i> with Simultaneous Co-utilization of Xylose and Glucose. ACS Sustainable Chemistry and Engineering, 2020, 8, 6315-6322.	3.2	24
28	Expressing an oxidative dehydrogenase gene in ethanologenic strain Zymomonas mobilis promotes the cellulosic ethanol fermentability. Journal of Biotechnology, 2019, 303, 1-7.	1.9	6
29	In-Depth Two-Stage Transcriptional Reprogramming and Evolutionary Engineering of <i>Saccharomyces cerevisiae</i> for Efficient Bioethanol Production from Xylose with Acetate. Journal of Agricultural and Food Chemistry, 2019, 67, 12002-12012.	2.4	19
30	Dry biodetoxification of acid pretreated wheat straw for cellulosic ethanol fermentation. Bioresources and Bioprocessing, 2019, 6, .	2.0	18
31	Heterozygous diploid structure of Amorphotheca resinae ZN1 contributes efficient biodetoxification on solid pretreated corn stover. Biotechnology for Biofuels, 2019, 12, 126.	6.2	24
32	Adaptive evolution of Gluconobacter oxydans accelerates the conversion rate of non-glucose sugars derived from lignocellulose biomass. Bioresource Technology, 2019, 289, 121623.	4.8	28
33	Facilitation of <scp>l</scp>-Lactic Acid Fermentation by Lignocellulose Biomass Rich in Vitamin B Compounds. Journal of Agricultural and Food Chemistry, 2019, 67, 7082-7086.	2.4	23
34	Microbial extraction of biotin from lignocellulose biomass and its application on glutamic acid production. Bioresource Technology, 2019, 288, 121523.	4.8	17
35	Rheology evolution of high solids content and highly viscous lignocellulose system in biorefinery fermentations for production of biofuels and biochemicals. Fuel, 2019, 253, 1565-1569.	3.4	18
36	Unique glucose oxidation catalysis of <i>Gluconobacter oxydans</i> constitutes an efficient cellulosic gluconic acid fermentation free of inhibitory compounds disturbance. Biotechnology and Bioengineering, 2019, 116, 2191-2199.	1.7	24

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37	Engineering Corynebacterium glutamicum triggers glutamic acid accumulation in biotin-rich corn stover hydrolysate. Biotechnology for Biofuels, 2019, 12, 86.	6.2	35
38	Improving cellulosic ethanol fermentation efficiency by converting endogenous water-soluble carbohydrates into citric acid before pretreatment. Bioprocess and Biosystems Engineering, 2019, 42, 1099-1103.	1.7	7
39	Microbial Lipid Production from Corn Stover by the Oleaginous Yeast Rhodosporidium toruloides Using the PreSSLP Process. Energies, 2019, 12, 1053.	1.6	22
40	Tolerance and transcriptional analysis of Corynebacterium glutamicum on biotransformation of toxic furaldehyde and benzaldehyde inhibitory compounds. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 951-963.	1.4	13
41	Maximizing phosphorus and potassium recycling by supplementation of lignin combustion ash from dry biorefining of lignocellulose. Biochemical Engineering Journal, 2019, 144, 104-109.	1.8	14
42	Mechanism of Tolerance to the Lignin-Derived Inhibitor <i>p</i> -Benzoquinone and Metabolic Modification of Biorefinery Fermentation Strains. Applied and Environmental Microbiology, 2019, 85, .	1.4	10
43	A preliminary study on l-lysine fermentation from lignocellulose feedstock and techno-economic evaluation. Bioresource Technology, 2019, 271, 196-201.	4.8	24
44	Constructing super large scale cellulosic ethanol plant by decentralizing dry acid pretreatment technology into biomass collection depots. Bioresource Technology, 2019, 275, 338-344.	4.8	22
45	Improved cellulosic ethanol production from corn stover with a low cellulase input using a Î²-glucosidase-producing yeast following a dry biorefining process. Bioprocess and Biosystems Engineering, 2019, 42, 297-304.	1.7	8
46	Evaluation of cement retarding performance of cellulosic sugar acids. Construction and Building Materials, 2019, 202, 522-527.	3.2	30
47	Advances and prospects in metabolic engineering of Zymomonas mobilis. Metabolic Engineering, 2018, 50, 57-73.	3.6	114
48	General Method to Correct the Fluctuation of Acid Based Pretreatment Efficiency of Lignocellulose for Highly Efficient Bioconversion. ACS Sustainable Chemistry and Engineering, 2018, 6, 4212-4219.	3.2	35
49	Simultaneous saccharification and aerobic fermentation of high titer cellulosic citric acid by filamentous fungus Aspergillus niger. Bioresource Technology, 2018, 253, 72-78.	4.8	24
50	Tolerance response and metabolism of acetic acid by biodetoxification fungus Amorphotheca resinae ZN1. Journal of Biotechnology, 2018, 275, 31-39.	1.9	6
51	Engineering Pediococcus acidilactici with xylose assimilation pathway for high titer cellulosic l-lactic acid fermentation. Bioresource Technology, 2018, 249, 9-15.	4.8	66
52	Dry biorefining maximizes the potentials of simultaneous saccharification and coâ€fermentation for cellulosic ethanol production. Biotechnology and Bioengineering, 2018, 115, 60-69.	1.7	69
53	Tolerance improvement of Corynebacterium glutamicum on lignocellulose derived inhibitors by adaptive evolution. Applied Microbiology and Biotechnology, 2018, 102, 377-388.	1.7	48
54	Lignocellulose Pretreatment Using Acid as Catalyst. , 2018, , 1-14.		5

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55	Elevating fermentation yield of cellulosic lactic acid in calcium lactate form from corn stover feedstock. Industrial Crops and Products, 2018, 126, 415-420.	2.5	21
56	An Approach of Utilizing Water-Soluble Carbohydrates in Lignocellulose Feedstock for Promotion of Cellulosic <scp>l</scp>-Lactic Acid Production. Journal of Agricultural and Food Chemistry, 2018, 66, 10225-10232.	2.4	29
57	Rheology Characterization of Lignocellulose Feedstock During High Solids Content Pretreatment and Hydrolysis. , 2018, , 257-266.		1
58	Improving cellulosic ethanol fermentability of Zymomonas mobilis by overexpression of sodium ion tolerance gene ZMO0119. Journal of Biotechnology, 2018, 282, 32-37.	1.9	11
59	Pretreatment refining leads to constant particle size distribution of lignocellulose biomass in enzymatic hydrolysis. Chemical Engineering Journal, 2018, 352, 198-205.	6.6	44
60	Rich biotin content in lignocellulose biomass plays the key role in determining cellulosic glutamic acid accumulation by Corynebacterium glutamicum. Biotechnology for Biofuels, 2018, 11, 132.	6.2	16
61	Cascade hydrolysis and fermentation of corn stover for production of high titer gluconic and xylonic acids. Bioresource Technology, 2018, 264, 395-399.	4.8	22
62	Converting lignin derived phenolic aldehydes into microbial lipid by Trichosporon cutaneum. Journal of Biotechnology, 2018, 281, 81-86.	1.9	35
63	Converting Chemical Oxygen Demand (COD) of Cellulosic Ethanol Fermentation Wastewater into Microbial Lipid by Oleaginous Yeast Trichosporon cutaneum. Applied Biochemistry and Biotechnology, 2017, 182, 1121-1130.	1.4	19
64	Industrial cellulase performance in the simultaneous saccharification and co-fermentation (SSCF) of corn stover for high-titer ethanol production. Bioresources and Bioprocessing, 2017, 4, .	2.0	13
65	Lower pressure heating steam is practical for the distributed dry dilute sulfuric acid pretreatment. Bioresource Technology, 2017, 238, 744-748.	4.8	5
66	Reduction of Reactor Corrosion by Eliminating Liquid-Phase Existence in Dry Dilute Acid Pretreatment of Corn Stover. Energy & Fuels, 2017, 31, 6140-6144.	2.5	8
67	Constructing xylose-assimilating pathways in Pediococcus acidilactici for high titer d-lactic acid fermentation from corn stover feedstock. Bioresource Technology, 2017, 245, 1369-1376.	4.8	48
68	Gluconic Acid Production from Potato Waste by <i>Gluconobacter oxidans</i> Using Sequential Hydrolysis and Fermentation. ACS Sustainable Chemistry and Engineering, 2017, 5, 6116-6123.	3.2	35
69	Oxygen Transfer in High Solids Loading and Highly Viscous Lignocellulose Hydrolysates. ACS Sustainable Chemistry and Engineering, 2017, 5, 11395-11402.	3.2	19
70	<i>In</i>-<i>Situ</i> Vacuum Distillation of Ethanol Helps To Recycle Cellulase and Yeast during SSF of Delignified Corncob Residues. ACS Sustainable Chemistry and Engineering, 2017, 5, 11676-11685.	3.2	12
71	Antibacterial Peptide Secreted by <i>Pediococcus acidilactici</i> Enables Efficient Cellulosic Open <scp>l</scp>-Lactic Acid Fermentation. ACS Sustainable Chemistry and Engineering, 2017, 5, 9254-9262.	3.2	16
72	Maximizing cellulosic ethanol potentials by minimizing wastewater generation and energy consumption: Competing with corn ethanol. Bioresource Technology, 2017, 245, 18-26.	4.8	38

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73	Complete oxidative conversion of lignocellulose derived non-glucose sugars to sugar acids by Gluconobacter oxydans. Bioresource Technology, 2017, 244, 1188-1192.	4.8	26
74	Lignin valorization: lignin nanoparticles as high-value bio-additive for multifunctional nanocomposites. Biotechnology for Biofuels, 2017, 10, 192.	6.2	228
75	Evaluation of electricity generation from lignin residue and biogas in cellulosic ethanol production. Bioresource Technology, 2017, 243, 1232-1236.	4.8	37
76	Enhancement of furan aldehydes conversion in Zymomonas mobilis by elevating dehydrogenase activity and cofactor regeneration. Biotechnology for Biofuels, 2017, 10, 24.	6.2	33
77	Oxidative production of xylonic acid using xylose in distillation stillage of cellulosic ethanol fermentation broth by Gluconobacter oxydans. Bioresource Technology, 2017, 224, 573-580.	4.8	41
78	Fermentative production of high titer citric acid from corn stover feedstock after dry dilute acid pretreatment and biodetoxification. Bioresource Technology, 2017, 224, 563-572.	4.8	41
79	Inhibitor degradation and lipid accumulation potentials of oleaginous yeast Trichosporon cutaneum using lignocellulose feedstock. Bioresource Technology, 2016, 218, 892-901.	4.8	82
80	Genome sequence of Trichosporon cutaneum ACCC 20271: An oleaginous yeast with excellent lignocellulose derived inhibitor tolerance. Journal of Biotechnology, 2016, 228, 50-51.	1.9	12
81	Fermentative production of high titer gluconic and xylonic acids from corn stover feedstock by Gluconobacter oxydans and techno-economic analysis. Bioresource Technology, 2016, 219, 123-131.	4.8	77
82	Acceleration of biodetoxification on dilute acid pretreated lignocellulose feedstock by aeration and the consequent ethanol fermentation evaluation. Biotechnology for Biofuels, 2016, 9, 19.	6.2	89
83	Comparative investigation of the binding characteristics of poly-l-lysine and chitosan on alginate hydrogel. International Journal of Biological Macromolecules, 2016, 84, 135-141.	3.6	18
84	Engineering wild-type robust Pediococcus acidilactici strain for high titer l- and d-lactic acid production from corn stover feedstock. Journal of Biotechnology, 2016, 217, 112-121.	1.9	68
85	Antibacterial activity of graphene supported FeAg bimetallic nanocomposites. Colloids and Surfaces B: Biointerfaces, 2016, 143, 490-498.	2.5	44
86	Cost evaluation of cellulase enzyme for industrial-scale cellulosic ethanol production based on rigorous Aspen Plus modeling. Bioprocess and Biosystems Engineering, 2016, 39, 133-140.	1.7	201
87	On-site measurement and modeling of rheological property of corn stover hydrolysate at high solids content. Biochemical Engineering Journal, 2016, 107, 61-65.	1.8	18
88	High titer gluconic acid fermentation by Aspergillus niger from dry dilute acid pretreated corn stover without detoxification. Bioresource Technology, 2016, 203, 211-219.	4.8	61
89	Long term storage of dilute acid pretreated corn stover feedstock and ethanol fermentability evaluation. Bioresource Technology, 2016, 201, 355-359.	4.8	30
90	Rheology evolution and CFD modeling of lignocellulose biomass during extremely high solids content pretreatment. Biochemical Engineering Journal, 2016, 105, 412-419.	1.8	23

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91	Analysis of particle size reduction on overall surface area and enzymatic hydrolysis yield of corn stover. Bioprocess and Biosystems Engineering, 2015, 38, 149-154.	1.7	18
92	Cellulosic Ethanol Fermentation Using Saccharomyces cerevisiae Seeds Cultured by Pretreated Corn Stover Material. Applied Biochemistry and Biotechnology, 2015, 175, 3173-3183.	1.4	11
93	Two stage hydrolysis of corn stover at high solids content for mixing power saving and scale-up applications. Bioresource Technology, 2015, 196, 716-720.	4.8	21
94	Secretive expression of heterologous Î²-glucosidase in Zymomonas mobilis. Bioresources and Bioprocessing, 2015, 2, .	2.0	14
95	High ethanol fermentation performance of the dry dilute acid pretreated corn stover by an evolutionarily adapted Saccharomyces cerevisiae strain. Bioresource Technology, 2015, 189, 399-404.	4.8	54
96	High tolerance and physiological mechanism of <i>Zymomonas mobilis</i> to phenolic inhibitors in ethanol fermentation of corncob residue. Biotechnology and Bioengineering, 2015, 112, 1770-1782.	1.7	67
97	Reactors for High Solid Loading Pretreatment of Lignocellulosic Biomass. Advances in Biochemical Engineering/Biotechnology, 2015, 152, 75-90.	0.6	10
98	High titer l -lactic acid production from corn stover with minimum wastewater generation and techno-economic evaluation based on Aspen plus modeling. Bioresource Technology, 2015, 198, 803-810.	4.8	69
99	Transcriptome analysis of Zymomonas mobilis ZM4 reveals mechanisms of tolerance and detoxification of phenolic aldehyde inhibitors from lignocellulose pretreatment. Biotechnology for Biofuels, 2015, 8, 153.	6.2	94
100	Characterization of Inulin Hydrolyzing Enzyme(s) in Oleaginous Yeast Trichosporon cutaneum in Consolidated Bioprocessing of Microbial Lipid Fermentation. Applied Biochemistry and Biotechnology, 2015, 177, 1083-1098.	1.4	10
101	Simultaneous saccharification and co-fermentation of dry diluted acid pretreated corn stover at high dry matter loading: Overcoming the inhibitors by non-tolerant yeast. Bioresource Technology, 2015, 198, 39-46.	4.8	49
102	Transcriptional analysis of Amorphotheca resinae ZN1 on biological degradation of furfural and 5-hydroxymethylfurfural derived from lignocellulose pretreatment. Biotechnology for Biofuels, 2015, 8, 136.	6.2	33
103	HELICALLY AGITATED MIXING IN DRY DILUTE ACID PRETREATMENT ENHANCES THE BIOCONVERSION OF CORN STOVER INTO ETHANOL. , 2015, , 51-76.		0
104	Helically agitated mixing in dry dilute acid pretreatment enhances the bioconversion of corn stover into ethanol. Biotechnology for Biofuels, 2014, 7, 1.	6.2	504
105	Inhibitor analysis and adaptive evolution of Saccharomyces cerevisiae for simultaneous saccharification and ethanol fermentation from industrial waste corncob residues. Bioresource Technology, 2014, 157, 6-13.	4.8	64
106	An alternative feedstock of corn meal for industrial fuel ethanol production: Delignified corncob residue. Bioresource Technology, 2014, 167, 555-559.	4.8	21
107	Rheological characterization and CFD modeling of corn stoverâ€"water mixing system at high solids loading for dilute acid pretreatment. Biochemical Engineering Journal, 2014, 90, 324-332.	1.8	29
108	De-ashing treatment of corn stover improves the efficiencies of enzymatic hydrolysis and consequent ethanol fermentation. Bioresource Technology, 2014, 169, 552-558.	4.8	36

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109	Extracellular Secretion of Î²-glucosidase in Ethanologenic E. coli Enhances Ethanol Fermentation of Cellobiose. Applied Biochemistry and Biotechnology, 2014, 174, 772-783.	1.4	15
110	Dry dilute acid pretreatment by co-currently feeding of corn stover feedstock and dilute acid solution without impregnation. Bioresource Technology, 2014, 158, 360-364.	4.8	86
111	Cloning of LicB from Clostridium thermocellum and its efficient secretive expression of thermostable Î²-1,3-1,4-glucanase. Applied Biochemistry and Biotechnology, 2014, 173, 562-570.	1.4	18
112	Analysis of biodegradation performance of furfural and 5-hydroxymethylfurfural by Amorphotheca resinae ZN1. Biotechnology for Biofuels, 2014, 7, 51.	6.2	100
113	Lipid fermentation of corncob residues hydrolysate by oleaginous yeast Trichosporon cutaneum. Bioresource Technology, 2014, 152, 552-556.	4.8	65
114	Process development of short-chain polyols synthesis from corn stover by combination of enzymatic hydrolysis and catalytic hydrogenolysis. Biotechnology Reports (Amsterdam, Netherlands), 2014, 3, 15-20.	2.1	10
115	Characterization of inulin hydrolyzing enzyme(s) in commercial glucoamylases and its application in lactic acid production from Jerusalem artichoke tubers (Jat). Bioresource Technology, 2013, 148, 157-162.	4.8	17
116	Comparison of three Pediococcus strains for lactic acid production from glucose in the presence of inhibitors generated by acid hydrolysis of lignocellulosic biomass. Biotechnology and Bioprocess Engineering, 2013, 18, 1192-1200.	1.4	6
117	Simultaneous Saccharification of Inulin and Starch Using Commercial Glucoamylase and the Subsequent Bioconversion to High Titer Sorbitol and Gluconic Acid. Applied Biochemistry and Biotechnology, 2013, 171, 2093-2104.	1.4	8
118	Improvement of ethanol productivity and energy efficiency by degradation of inhibitors using recombinant <i>Zymomonas mobilis</i> (pHW20aâ€<i>fdh</i>). Biotechnology and Bioengineering, 2013, 110, 2395-2404.	1.7	26
119	Simultaneous saccharification and high titer lactic acid fermentation of corn stover using a newly isolated lactic acid bacterium Pediococcus acidilactici DQ2. Bioresource Technology, 2013, 135, 481-489.	4.8	84
120	Analysis of metabolic fluxes for better understanding of mechanisms related to lipid accumulation in oleaginous yeast Trichosporon cutaneum. Bioresource Technology, 2013, 130, 144-151.	4.8	62
121	Consolidated bioprocessing of highly concentrated jerusalem artichoke tubers for simultaneous saccharification and ethanol fermentation. Biotechnology and Bioengineering, 2013, 110, 2606-2615.	1.7	23
122	Cost analysis of cassava cellulose utilization scenarios for ethanol production on flowsheet simulation platform. Bioresource Technology, 2013, 134, 298-306.	4.8	21
123	Simultaneous saccharification and microbial lipid fermentation of corn stover by oleaginous yeast Trichosporon cutaneum. Bioresource Technology, 2012, 118, 13-18.	4.8	72
124	Repeated batch fermentation with water recycling and cell separation for microbial lipid production. Frontiers of Chemical Science and Engineering, 2012, 6, 453-460.	2.3	8
125	Simultaneous Saccharification and Ethanol Fermentation of Corn Stover at High Temperature and High Solids Loading by a Thermotolerant Strain Saccharomyces cerevisiae DQ1. Bioenergy Research, 2012, 5, 1020-1026.	2.2	39
126	Biological pretreatment of corn stover by solid state fermentation of Phanerochaete chrysosporium. Frontiers of Chemical Science and Engineering, 2012, 6, 146-151.	2.3	11

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127	A Simplified Filter Paper Assay Method of Cellulase Enzymes Based on HPLC Analysis. Applied Biochemistry and Biotechnology, 2012, 167, 190-196.	1.4	7
128	A modified method for calculating practical ethanol yield at high lignocellulosic solids content and high ethanol titer. Bioresource Technology, 2012, 116, 74-79.	4.8	40
129	Cloning of Thermostable Cellulase Genes of Clostridium thermocellum and Their Secretive Expression in Bacillus subtilis. Applied Biochemistry and Biotechnology, 2012, 166, 652-662.	1.4	31
130	Biological removal of inhibitors leads to the improved lipid production in the lipid fermentation of corn stover hydrolysate by Trichosporon cutaneum. Bioresource Technology, 2011, 102, 9705-9709.	4.8	83
131	Utilization of dry distillerâ€™s grain and solubles as nutrient supplement in the simultaneous saccharification and ethanol fermentation at high solids loading of corn stover. Biotechnology Letters, 2011, 33, 273-276.	1.1	12
132	Catalytic Performance of Corn Stover Hydrolysis by a New Isolate Penicillium sp. ECU0913 Producing both Cellulase and Xylanase. Applied Biochemistry and Biotechnology, 2011, 164, 819-830.	1.4	27
133	Effect of calcium carbonate in waste office paper on enzymatic hydrolysis efficiency and enhancement procedures. Korean Journal of Chemical Engineering, 2011, 28, 550-556.	1.2	20
134	Design and construction of improved new vectors for <i>Zymomonas mobilis</i> recombinants. Biotechnology and Bioengineering, 2011, 108, 1616-1627.	1.7	26
135	Dry pretreatment of lignocellulose with extremely low steam and water usage for bioethanol production. Bioresource Technology, 2011, 102, 4480-4488.	4.8	131
136	Simultaneous saccharification and ethanol fermentation at high corn stover solids loading in a helical stirring bioreactor. Biotechnology and Bioengineering, 2010, 105, 718-728.	1.7	217
137	Photo-fermentation of Rhodobacter sphaeroides for hydrogen production using lignocellulose-derived organic acids. Process Biochemistry, 2010, 45, 1894-1898.	1.8	23
138	Sorbitol production using recombinant Zymomonas mobilis strain. Journal of Biotechnology, 2010, 148, 105-112.	1.9	30
139	Biodetoxification of toxins generated from lignocellulose pretreatment using a newly isolated fungus, Amorphotheca resinae ZN1, and the consequent ethanol fermentation. Biotechnology for Biofuels, 2010, 3, 26.	6.2	167
140	Biofuel via biodetoxification. Nature Chemical Biology, 2010, 6, 316-318.	3.9	43
141	Screening of Oleaginous Yeast Strains Tolerant to Lignocellulose Degradation Compounds. Applied Biochemistry and Biotechnology, 2009, 159, 591-604.	1.4	203
142	Inhibition Performance of Lignocellulose Degradation Products on Industrial Cellulase Enzymes During Cellulose Hydrolysis. Applied Biochemistry and Biotechnology, 2009, 159, 696-707.	1.4	121
143	Environmentally Benign Bioprocesses for Energy and Chemicals Production. Applied Biochemistry and Biotechnology, 2009, 159, 589-590.	1.4	0
144	Substrate promiscuity of pyruvate kinase on various deoxynucleoside diphosphates for synthesis of deoxynucleoside triphosphates. Enzyme and Microbial Technology, 2008, 43, 455-459.	1.6	8

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145	Total biosynthesis of deoxynucleoside triphosphates using deoxynucleoside monophosphate kinases for PCR application. Biotechnology and Bioengineering, 2007, 98, 1-11.	1.7	12
146	Cloning of deoxynucleoside monophosphate kinase genes and biosynthesis of deoxynucleoside diphosphates. Biotechnology and Bioengineering, 2006, 93, 572-580.	1.7	5
147	Biosynthesis of deoxynucleoside triphosphates, dCTP and dTTP: reaction mechanism and kinetics. Enzyme and Microbial Technology, 2005, 36, 350-356.	1.6	5
148	Biosynthesis reaction mechanism and kinetics of deoxynucleoside triphosphates, dATP and dGTP. Biotechnology and Bioengineering, 2005, 89, 485-491.	1.7	6
149	A kinetic study on crystallization of calcium gluconate in external loop airlift column and stirred tank for an immobilized glucose oxidase reaction with crystallization. Biochemical Engineering Journal, 2003, 15, 177-184.	1.8	20