

Techno-economic evaluation of integrated first- and second-generation ethanol production from grain and straw

Biotechnology for Biofuels

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Emerging Technologies for the Production of Renewable Liquid Transport Fuels from Biomass Sources Enriched in Plant Cell Walls. <i>Frontiers in Plant Science</i> , 2016, 7, 1854.	3.6	55
2	Enhanced Product Recovery from Glycerol Fermentation into 3-Carbon Compounds in a Bioelectrochemical System Combined with In Situ Extraction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 73.	4.1	19
3	Whole-Metagenome-Sequencing-Based Community Profiles of <i>Vitis vinifera</i> L. cv. Corvina Berries Withered in Two Post-harvest Conditions. <i>Frontiers in Microbiology</i> , 2016, 7, 937.	3.5	47
4	A Narrow pH Range Supports Butanol, Hexanol, and Octanol Production from Syngas in a Continuous Co-culture of <i>Clostridium ljungdahlii</i> and <i>Clostridium kluyveri</i> with In-Line Product Extraction. <i>Frontiers in Microbiology</i> , 2016, 7, 1773.	3.5	131
5	Production of Acetoin through Simultaneous Utilization of Glucose, Xylose, and Arabinose by Engineered <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2016, 11, e0159298.	2.5	29
6	Roles of Aquaporins in <i>Setaria viridis</i> Stem Development and Sugar Storage. <i>Frontiers in Plant Science</i> , 2016, 7, 1815.	3.6	17
7	Enhanced malic acid production from glycerol with high-cell density <i>Ustilago trichophora</i> TZ1 cultivations. <i>Biotechnology for Biofuels</i> , 2016, 9, 135.	6.2	64
8	What could the entire cornstover contribute to the enhancement of waste activated sludge acidification? Performance assessment and microbial community analysis. <i>Biotechnology for Biofuels</i> , 2016, 9, 241.	6.2	30
9	Effect of hydrothermal pretreatment on the structural changes of alkaline ethanol lignin from wheat straw. <i>Scientific Reports</i> , 2016, 6, 39354.	3.3	86
10	Systematic engineering of pentose phosphate pathway improves <i>Escherichia coli</i> succinate production. <i>Biotechnology for Biofuels</i> , 2016, 9, 262.	6.2	35
11	Downstream integration of microalgae harvesting and cell disruption by means of cationic surfactant-decorated Fe ₃ O ₄ nanoparticles. <i>Green Chemistry</i> , 2016, 18, 3981-3989.	9.0	88
12	Fuel ethanol production from lignocellulosic biomass: An overview on feedstocks and technological approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 66, 751-774.	16.4	552
13	Evolution and Ecology of <i>Actinobacteria</i> and Their Bioenergy Applications. <i>Annual Review of Microbiology</i> , 2016, 70, 235-254.	7.3	249
14	Improvement of sugar yields from corn stover using sequential hot water pretreatment and disk milling. <i>Bioresource Technology</i> , 2016, 216, 706-713.	9.6	80
15	Pretreatment processes for lignocellulosic biomass conversion to biofuels and bioproducts. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2016, 2, 48-53.	5.9	133
16	The biotechnological potential of whey. <i>Reviews in Environmental Science and Biotechnology</i> , 2016, 15, 479-498.	8.1	122
17	A new laboratory evolution approach to select for constitutive acetic acid tolerance in <i>Saccharomyces cerevisiae</i> and identification of causal mutations. <i>Biotechnology for Biofuels</i> , 2016, 9, 173.	6.2	109
18	Engineering levoglucosan metabolic pathway in <i>Rhodococcus jostii</i> RHA1 for lipid production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1551-1560.	3.0	32

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19	Disruption of the Reductive 1,3-Propanediol Pathway Triggers Production of 1,2-Propanediol for Sustained Glycerol Fermentation by <i>Clostridium pasteurianum</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 5375-5388.	3.1	28
20	Biomimetic fabrication of biotinylated peptide nanostructures upon diatom scaffold; a plausible model for sustainable energy. <i>RSC Advances</i> , 2016, 6, 73692-73698.	3.6	23
21	Biosynthesis of polyesters and polyamide building blocks using microbial fermentation and biotransformation. <i>Reviews in Environmental Science and Biotechnology</i> , 2016, 15, 639-663.	8.1	65
22	Enhancement of biobutanol production by electromicrobial glucose conversion in a dual chamber fermentation cell using <i>C. pasteurianum</i> . <i>Energy Conversion and Management</i> , 2016, 130, 165-175.	9.2	31
23	Fatty alcohol production in <i>Lipomyces starkeyi</i> and <i>Yarrowia lipolytica</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 227.	6.2	52
24	Furfural tolerance and detoxification mechanism in <i>Candida tropicalis</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 250.	6.2	38
25	Bioreactors and in situ product recovery techniques for acetone-butanol-ethanol fermentation. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw107.	1.8	24
26	EXPLoRA-web: linkage analysis of quantitative trait loci using bulk segregant analysis. <i>Nucleic Acids Research</i> , 2016, 44, W142-W146.	14.5	9
27	Total Chain Integration of sustainable biorefinery systems. <i>Applied Energy</i> , 2016, 184, 1432-1446.	10.1	86
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31	Microbial electrosynthesis of solvents and alcoholic biofuels from nutrient waste: A review. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 940-954.	6.7	34
32	Bioorganopromoted green Friedländer synthesis: a versatile new malic acid promoted solvent free approach to multisubstituted quinolines. <i>New Journal of Chemistry</i> , 2017, 41, 1618-1624.	2.8	28
33	Converting Chemical Oxygen Demand (COD) of Cellulosic Ethanol Fermentation Wastewater into Microbial Lipid by Oleaginous Yeast <i>Trichosporon cutaneum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 1121-1130.	2.9	19
34	Methane production enhancement from products of alkaline hydrogen peroxide pretreated sweet sorghum bagasse. <i>RSC Advances</i> , 2017, 7, 5701-5707.	3.6	22
35	Genome Editing in <i>Clostridium saccharoperbutylacetonicum</i> N1-4 with the CRISPR-Cas9 System. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	72
36	Impact of disk milling on corn stover pretreated at commercial scale. <i>Bioresource Technology</i> , 2017, 232, 297-303.	9.6	7

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38	Lignocellulose fermentation and residual solids characterization for senescent switchgrass fermentation by <i>Clostridium thermocellum</i> in the presence and absence of continuous ball-milling. <i>Energy and Environmental Science</i> , 2017, 10, 1252-1261.	30.8	65
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43	Sweet sorghum as biofuel feedstock: recent advances and available resources. <i>Biotechnology for Biofuels</i> , 2017, 10, 146.	6.2	150
44	Evaluation of optical properties and chemical structure changes in enzymatic hydrolysis lignin during heat treatment. <i>RSC Advances</i> , 2017, 7, 20760-20765.	3.6	16
45	Nitrogen removal and microbial community shift in an aerobic denitrification reactor bioaugmented with a <i>Pseudomonas</i> strain for coal-based ethylene glycol industry wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11435-11445.	5.3	32
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54	Carbon dioxide conversion to synthetic fuels using biocatalytic electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2429-2443.	10.3	44

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56	A novel and efficient fungal delignification strategy based on versatile peroxidase for lignocellulose bioconversion. <i>Biotechnology for Biofuels</i> , 2017, 10, 218.	6.2	70
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67	Feasibility of CO ₂ mitigation and carbohydrate production by microalga <i>Scenedesmus obliquus</i> CNW-N used for bioethanol fermentation under outdoor conditions: effects of seasonal changes. <i>Biotechnology for Biofuels</i> , 2017, 10, 27.	6.2	63
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73	Overexpression of smORF YNR034W-A/ <i>EGO4</i> in <i>Saccharomyces cerevisiae</i> increases the fermentative efficiency of <i>Agave tequilana</i> Weber must. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 63-74.	3.0	7
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119	Production and characterization of hybrid coal using sugar impurities extracted from pitch pine. <i>Applied Thermal Engineering</i> , 2018, 145, 174-183.	6.0	4
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129	Development of cell recycle technology incorporating nutrient supplementation for lignocellulosic ethanol fermentation using industrial yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemical Engineering Journal</i> , 2018, 137, 23-29.	3.6	12
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145	Production of Motor Fuel from Lignocellulose in a Three-Stage Process (Review and Experimental) Tj ETQq1 1 0.784314 rgBT /g Overload	1.4	

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