

Improving Microbial Biogasoline Production in Escherichia coli Engineering

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Engineering improved bio-jet fuel tolerance in <i>Escherichia coli</i> using a transgenic library from the hydrocarbon-degrader <i>Marinobacter aquaeolei</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 165.	6.2	22
2	Production of Basic Chemicals on the Basis of Renewable Resources as an Alternative to Petrochemistry?. <i>ChemBioEng Reviews</i> , 2015, 2, 315-334.	2.6	10
3	Increased Microbial Butanol Tolerance by Exogenous Membrane Insertion Molecules. <i>ChemSusChem</i> , 2015, 8, 3718-3726.	3.6	19
4	Converting Sugars to Biofuels: Ethanol and Beyond. <i>Bioengineering</i> , 2015, 2, 184-203.	1.6	55
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6	Identification of a transporter Slr0982 involved in ethanol tolerance in cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Frontiers in Microbiology</i> , 2015, 6, 487.	1.5	36
7	Getting pumped: membrane efflux transporters for enhanced biomolecule production. <i>Current Opinion in Chemical Biology</i> , 2015, 28, 15-19.	2.8	41
8	Tolerance engineering in bacteria for the production of advanced biofuels and chemicals. <i>Trends in Microbiology</i> , 2015, 23, 498-508.	3.5	207
9	Metabolic engineering for the high-yield production of isoprenoid-based C5 alcohols in <i>E. coli</i> . <i>Scientific Reports</i> , 2015, 5, 11128.	1.6	125
10	Natural products as biofuels and bio-based chemicals: fatty acids and isoprenoids. <i>Natural Product Reports</i> , 2015, 32, 1508-1526.	5.2	131
11	Genetic Engineering Strategies for Enhanced Biodiesel Production. <i>Molecular Biotechnology</i> , 2015, 57, 606-624.	1.3	41
12	An ancient Chinese wisdom for metabolic engineering: Yin-Yang. <i>Microbial Cell Factories</i> , 2015, 14, 39.	1.9	36
13	Membrane transporter engineering in industrial biotechnology and whole cell biocatalysis. <i>Trends in Biotechnology</i> , 2015, 33, 237-246.	4.9	167
14	RNA modification enzymes encoded by the <i>gid</i> operon: Implications in biology and virulence of bacteria. <i>Microbial Pathogenesis</i> , 2015, 89, 100-107.	1.3	22
15	Metabolic pathway engineering for production of 1,2-propanediol and 1-propanol by <i>Corynebacterium glutamicum</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 91.	6.2	71
16	Integrative genomic mining for enzyme function to enable engineering of a non-natural biosynthetic pathway. <i>Nature Communications</i> , 2015, 6, 10005.	5.8	77
17	Biotypes analysis of <i>Corynebacterium glutamicum</i> growing in dicarboxylic acids demonstrates the existence of industrially-relevant intra-species variations. <i>Journal of Proteomics</i> , 2016, 146, 172-183.	1.2	2
18	Facilitate Collaborations among Synthetic Biology, Metabolic Engineering and Machine Learning. <i>ChemBioEng Reviews</i> , 2016, 3, 45-54.	2.6	16

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19	Regulatory mechanisms related to biofuel tolerance in producing microbes. <i>Journal of Applied Microbiology</i> , 2016, 121, 320-332.	1.4	7
20	Engineering <i>Saccharomyces cerevisiae</i> to produce odd chain-length fatty alcohols. <i>Biotechnology and Bioengineering</i> , 2016, 113, 842-851.	1.7	30
21	Proteomic and metabolomic analyses reveal metabolic responses to 3-hydroxypropionic acid synthesized internally in cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Biotechnology for Biofuels</i> , 2016, 9, 209.	6.2	30
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25	Efficient hydroxylation of 1,8-cineole with monoterpenoid-resistant recombinant <i>Pseudomonas putida</i> GS1. <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 112.	1.7	13
26	Characterization of acetic acid-detoxifying <i>Escherichia coli</i> evolved under phosphate starvation conditions. <i>Microbial Cell Factories</i> , 2016, 15, 42.	1.9	9
27	Efflux transporter engineering markedly improves amorphadiene production in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2016, 113, 1755-1763.	1.7	71
28	Production of biorenewable styrene: utilization of biomass-derived sugars and insights into toxicity. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 595-604.	1.4	50
29	Improving monoterpene geraniol production through geranyl diphosphate synthesis regulation in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4561-4571.	1.7	86
30	Metabolic engineering of <i>Saccharomyces cerevisiae</i> for the overproduction of short branched-chain fatty acids. <i>Metabolic Engineering</i> , 2016, 34, 36-43.	3.6	78
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33	Metabolic engineering and synthetic biology approaches driving isoprenoid production in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2017, 241, 430-438.	4.8	66
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35	Reassessing <i>Escherichia coli</i> as a cell factory for biofuel production. <i>Current Opinion in Biotechnology</i> , 2017, 45, 92-103.	3.3	53
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37	Improving membrane protein expression and function using genomic edits. <i>Scientific Reports</i> , 2017, 7, 13030.	1.6	27
38	Metabolic engineering for the microbial production of isoprenoids: Carotenoids and isoprenoid-based biofuels. <i>Synthetic and Systems Biotechnology</i> , 2017, 2, 167-175.	1.8	74
39	Improving phloroglucinol tolerance and production in <i>Escherichia coli</i> by GroESL overexpression. <i>Microbial Cell Factories</i> , 2017, 16, 227.	1.9	22
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48	A <i>Pseudomonas putida</i> efflux pump acts on short-chain alcohols. <i>Biotechnology for Biofuels</i> , 2018, 11, 136.	6.2	42
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58	Metabolic engineering strategies for caffeic acid production in <i>Escherichia coli</i> . <i>Electronic Journal of Biotechnology</i> , 2019, 38, 19-26.	1.2	24
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