

Rewriting yeast central carbon metabolism for industri

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pathway swapping: Toward modular engineering of essential cellular processes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 15060-15065.	3.3	35
2	Functional expression and evaluation of heterologous phosphoketolases in <i>Saccharomyces cerevisiae</i> . <i>AMB Express</i> , 2016, 6, 115.	1.4	39
4	High-yield chemical synthesis by reprogramming central metabolism. <i>Nature Biotechnology</i> , 2016, 34, 1129-1129.	9.4	4
6	Cell-Based Therapeutics: Making a Faustian Pact with Biology. <i>Trends in Molecular Medicine</i> , 2017, 23, 104-115.	3.5	9
7	Production of taxadiene by engineering of mevalonate pathway in <i>Escherichia coli</i> and endophytic fungus <i>Alternaria alternata</i> TPF6. <i>Biotechnology Journal</i> , 2017, 12, 1600697.	1.8	39
8	Coupling gene regulatory patterns to bioprocess conditions to optimize synthetic metabolic modules for improved sesquiterpene production in yeast. <i>Biotechnology for Biofuels</i> , 2017, 10, 43.	6.2	53
9	Bioaromas – Perspectives for sustainable development. <i>Trends in Food Science and Technology</i> , 2017, 62, 141-153.	7.8	72
10	Effects of acetoacetyl-CoA synthase expression on production of farnesene in <i>Saccharomyces cerevisiae</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 911-922.	1.4	30
11	Iterative integration of multiple-copy pathway genes in <i>Yarrowia lipolytica</i> for heterologous β -carotene production. <i>Metabolic Engineering</i> , 2017, 41, 192-201.	3.6	190
12	Production of fuels and chemicals from xylose by engineered <i>Saccharomyces cerevisiae</i> : a review and perspective. <i>Microbial Cell Factories</i> , 2017, 16, 82.	1.9	195
13	Recent advances in synthetic biology for engineering isoprenoid production in yeast. <i>Current Opinion in Chemical Biology</i> , 2017, 40, 47-56.	2.8	153
14	Designing microorganisms for heterologous biosynthesis of cannabinoids. <i>FEMS Yeast Research</i> , 2017, 17, .	1.1	54
15	Phosphoketolase overexpression increases biomass and lipid yield from methane in an obligate methanotrophic biocatalyst. <i>Metabolic Engineering</i> , 2017, 41, 152-158.	3.6	66
16	Integration of heterogeneous and biochemical catalysis for production of fuels and chemicals from biomass. <i>Current Opinion in Biotechnology</i> , 2017, 45, 127-135.	3.3	58
17	Designing a New Entry Point into Isoprenoid Metabolism by Exploiting Fructose-6-Phosphate Aldolase Side Reactivity of <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 1416-1426.	1.9	33
18	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
19	Systems biology solutions for biochemical production challenges. <i>Current Opinion in Biotechnology</i> , 2017, 45, 85-91.	3.3	29
20	The Impact of Systems Biology on Bioprocessing. <i>Trends in Biotechnology</i> , 2017, 35, 1156-1168.	4.9	67

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22	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
23	Engineering <i>Escherichia coli</i> for poly-(3-hydroxybutyrate) production guided by genome-scale metabolic network analysis. <i>Enzyme and Microbial Technology</i> , 2017, 106, 60-66.	1.6	24
24	Strategies for terpenoid overproduction and new terpenoid discovery. <i>Current Opinion in Biotechnology</i> , 2017, 48, 234-241.	3.3	99
25	Holistic bioengineering: rewiring central metabolism for enhanced bioproduction. <i>Biochemical Journal</i> , 2017, 474, 3935-3950.	1.7	51
26	Genome-scale modeling of yeast: chronology, applications and critical perspectives. <i>FEMS Yeast Research</i> , 2017, 17, .	1.1	54
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28	Engineering yeast metabolism for production of terpenoids for use as perfume ingredients, pharmaceuticals and biofuels. <i>FEMS Yeast Research</i> , 2017, 17, .	1.1	87
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31	Efforts Toward Industrial Biosynthesis of Isoprene. , 2017, , 383-402.		0
32	Non-Conventional Yeasts in Fermentation Processes: Potentialities and Limitations. , 0, , .		12
33	Genetic engineering of host organisms for pharmaceutical synthesis. <i>Current Opinion in Biotechnology</i> , 2018, 53, 191-200.	3.3	23
34	Engineered protein degradation of farnesyl pyrophosphate synthase is an effective regulatory mechanism to increase monoterpene production in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2018, 47, 83-93.	3.6	89
35	A Pressure Test to Make 10 Molecules in 90 Days: External Evaluation of Methods to Engineer Biology. <i>Journal of the American Chemical Society</i> , 2018, 140, 4302-4316.	6.6	118
36	Engineered Production of Short-Chain Acyl-Coenzyme A Esters in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 1105-1115.	1.9	14
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42	A pathway for every product? Tools to discover and design plant metabolism. <i>Plant Science</i> , 2018, 273, 61-70.	1.7	18
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