

Engineering the push and pull of lipid biosynthesis in oilseed rape for biofuel production

Metabolic Engineering

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Advancing oleaginous microorganisms to produce lipid via metabolic engineering technology. <i>Progress in Lipid Research</i> , 2013, 52, 395-408.	5.3	325
2	Production of omega-3 eicosapentaenoic acid by metabolic engineering of <i>Yarrowia lipolytica</i> . <i>Nature Biotechnology</i> , 2013, 31, 734-740.	9.4	470
3	Regulatory properties of malic enzyme in the oleaginous yeast, <i>Yarrowia lipolytica</i> , and its non-involvement in lipid accumulation. <i>Biotechnology Letters</i> , 2013, 35, 2091-2098.	1.1	89
4	Importance of the methyl-citrate cycle on glycerol metabolism in the yeast <i>Yarrowia lipolytica</i> . <i>Journal of Biotechnology</i> , 2013, 168, 303-314.	1.9	84
5	Anaerobic CO ₂ fixation by the acetogenic bacterium <i>Moorella thermoacetica</i> . <i>AICHE Journal</i> , 2013, 59, 3176-3183.	1.8	53
6	Organisms for Biofuel Production: Natural Bioresources and Methodologies for Improving Their Biosynthetic Potentials. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 147, 185-224.	0.6	5
7	A novel multigene expression construct for modification of glycerol metabolism in <i>Yarrowia lipolytica</i> . <i>Microbial Cell Factories</i> , 2013, 12, 102.	1.9	52
8	<i>Snf1</i> Is a Regulator of Lipid Accumulation in <i>Yarrowia lipolytica</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 7360-7370.	1.4	92
9	Frontiers of yeast metabolic engineering: diversifying beyond ethanol and <i>Saccharomyces</i> . <i>Current Opinion in Biotechnology</i> , 2013, 24, 1023-1030.	3.3	98
10	Modular optimization of multi-gene pathways for fatty acids production in <i>E. coli</i> . <i>Nature Communications</i> , 2013, 4, 1409.	5.8	405
11	Microbial production of fatty acid-derived fuels and chemicals. <i>Current Opinion in Biotechnology</i> , 2013, 24, 1044-1053.	3.3	174
12	Microorganisms as sources of oils. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2013, 20, D603.	0.6	72
13	<i>Yarrowia lipolytica</i> and Its Multiple Applications in the Biotechnological Industry. <i>Scientific World Journal</i> , The, 2014, 2014, 1-14.	0.8	123
14	Enhancement of microbial oil production by alpha-linolenic acid producing <i>Yarrowia lipolytica</i> strains QU22 and QU137. <i>Food Science and Biotechnology</i> , 2014, 23, 1929-1934.	1.2	12
15	Hexokinase—A limiting factor in lipid production from fructose in <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2014, 26, 89-99.	3.6	113
16	Engineering towards a complete heterologous cellulase secretome in <i>Yarrowia lipolytica</i> reveals its potential for consolidated bioprocessing. <i>Biotechnology for Biofuels</i> , 2014, 7, 148.	6.2	45
17	<i>Yarrowia lipolytica</i> as an Oleaginous Cell Factory Platform for Production of Fatty Acid-Based Biofuel and Bioproducts. <i>Frontiers in Energy Research</i> , 2014, 2, .	1.2	93
18	Production of Fatty Acid-Derived Valuable Chemicals in Synthetic Microbes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 78.	2.0	55

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19	Enhancement of Lipid Productivity in Oleaginous Colletotrichum Fungus through Genetic Transformation Using the Yeast CtDGAT2b Gene under Model-Optimized Growth Condition. PLoS ONE, 2014, 9, e111253.	1.1	12
20	Metabolic engineering of <i>Saccharomyces cerevisiae</i> for production of fatty acid-derived biofuels and chemicals. <i>Metabolic Engineering</i> , 2014, 21, 103-113.	3.6	338
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24	Engineering the filamentous fungus <i>Neurospora crassa</i> for lipid production from lignocellulosic biomass. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1097-1107.	1.7	29
25	Food-related applications of <i>Yarrowia lipolytica</i> . <i>Food Chemistry</i> , 2014, 152, 1-10.	4.2	108
26	Harnessing <i>Yarrowia lipolytica</i> lipogenesis to create a platform for lipid and biofuel production. <i>Nature Communications</i> , 2014, 5, 3131.	5.8	488
27	Enhanced lipid accumulation in the yeast <i>Yarrowia lipolytica</i> by over-expression of ATP:citrate lyase from <i>Mus musculus</i> . <i>Journal of Biotechnology</i> , 2014, 192, 78-84.	1.9	87
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34	Yeast synthetic biology toolbox and applications for biofuel production. <i>FEMS Yeast Research</i> , 2014, 15, n/a-n/a.	1.1	12
35	Draft Genome Sequence of the Oleaginous Yeast <i>Yarrowia lipolytica</i> PO1f, a Commonly Used Metabolic Engineering Host. <i>Genome Announcements</i> , 2014, 2, .	0.8	59
36	An optimized transformation protocol for <i>Lipomyces starkeyi</i> . <i>Current Genetics</i> , 2014, 60, 223-230.	0.8	43

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38	Improving the tolerance of Escherichia coli to medium-chain fatty acid production. Metabolic Engineering, 2014, 25, 1-7.	3.6	67
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49	Algal biofuels in Canada: Status and potential. Renewable and Sustainable Energy Reviews, 2015, 44, 620-642.	8.2	48
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81	Identification and Characterization of Diacylglycerol Acyltransferase in Oleaginous Yeast <i>Rhodosporidium toruloides</i>. <i>American Journal of Biochemistry and Biotechnology</i> , 2016, 12, 230-240.	0.1	3
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84	¹³ C Metabolic Flux Analysis of acetate conversion to lipids by <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2016, 38, 86-97.	3.6	68
85	Engineering <i>Rhodosporidium toruloides</i> for increased lipid production. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1056-1066.	1.7	143
86	Engineering and Evolution of <i>Saccharomyces cerevisiae</i> to Produce Biofuels and Chemicals. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016, 162, 175-215.	0.6	13
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113	Study of <i>Holtermanniella wattica</i> , <i>Leucosporidium creatinivorum</i> , <i>Naganishia adeliensis</i> , <i>Solicoccozyma aerea</i> , and <i>Solicoccozyma terricola</i> for their lipogenic aptitude from different carbon sources. <i>Biotechnology for Biofuels</i> , 2016, 9, 259.	6.2	16
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115	Enhancing Intercellular Coordination: Rewiring Quorum Sensing Networks for Increased Protein Expression through Autonomous Induction. <i>ACS Synthetic Biology</i> , 2016, 5, 923-928.	1.9	18
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124	<i>Yarrowia lipolytica</i> as a biotechnological chassis to produce usual and unusual fatty acids. <i>Progress in Lipid Research</i> , 2016, 61, 40-50.	5.3	249
125	Microbes paired for biological gas-to-liquids (Bio-GTL) process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3717-3719.	3.3	11
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149	Co-fermentation of lignocellulose-based glucose and inhibitory compounds for lipid synthesis by <i>Rhodococcus jostii</i> RHA1. <i>Process Biochemistry</i> , 2017, 57, 159-166.	1.8	15

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