

# Engineering Cellular Metabolism

Cell

164, 1185-1197

DOI: [10.1016/j.cell.2016.02.004](https://doi.org/10.1016/j.cell.2016.02.004)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The application of microfluidic-based technologies in the cycle of metabolic engineering. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 137-142.	1.8	7
2	Bioinformatics for the synthetic biology of natural products: integrating across the Design-Build-Test cycle. <i>Natural Product Reports</i> , 2016, 33, 925-932.	5.2	58
3	Upgrading biomaterials with synthetic biological modules for advanced medical applications. <i>Advanced Drug Delivery Reviews</i> , 2016, 105, 77-95.	6.6	22
4	The metabolome 18 years on: a concept comes of age. <i>Metabolomics</i> , 2016, 12, 148.	1.4	95
5	Modular cell design for rapid, efficient strain engineering toward industrialization of biology. <i>Current Opinion in Chemical Engineering</i> , 2016, 14, 18-25.	3.8	25
6	Cell-Free Mixing of <i>Escherichia coli</i> Crude Extracts to Prototype and Rationally Engineer High-Titer Mevalonate Synthesis. <i>ACS Synthetic Biology</i> , 2016, 5, 1578-1588.	1.9	130
7	Cascade Biocatalysis for Sustainable Asymmetric Synthesis: From Biobased Phenylalanine to High-Value Chiral Chemicals. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11647-11650.	7.2	69
8	Mapping the patent landscape of synthetic biology for fine chemical production pathways. <i>Microbial Biotechnology</i> , 2016, 9, 687-695.	2.0	11
9	Cascade Biocatalysis for Sustainable Asymmetric Synthesis: From Biobased Phenylalanine to High-Value Chiral Chemicals. <i>Angewandte Chemie</i> , 2016, 128, 11819-11822.	1.6	30
10	Exploiting members of the BAHD acyltransferase family to synthesize multiple hydroxycinnamate and benzoate conjugates in yeast. <i>Microbial Cell Factories</i> , 2016, 15, 198.	1.9	32
11	Systematic engineering of TCA cycle for optimal production of a four-carbon platform chemical 4-hydroxybutyric acid in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2016, 38, 264-273.	3.6	25
12	Cell Surface Display Fungal Laccase as a Renewable Biocatalyst for Degradation of Persistent Micropollutants Bisphenol A and Sulfamethoxazole. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8799-8808.	4.6	76
13	Functional expression and evaluation of heterologous phosphoketolases in <i>Saccharomyces cerevisiae</i> . <i>AMB Express</i> , 2016, 6, 115.	1.4	39
14	Engineering yeast for high-level production of stilbenoid antioxidants. <i>Scientific Reports</i> , 2016, 6, 36827.	1.6	122
16	High-yield chemical synthesis by reprogramming central metabolism. <i>Nature Biotechnology</i> , 2016, 34, 1129-1129.	9.4	4
17	Flux control through protein phosphorylation in yeast. <i>FEMS Yeast Research</i> , 2016, 16, fow096.	1.1	29
18	Nutraceuticals in Cardiovascular Diseases. , 2016, , 49-59.		0
19	Resource Reallocation in Bacteria by Reengineering the Gene Expression Machinery. <i>Trends in Microbiology</i> , 2017, 25, 480-493.	3.5	19

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20	Engineering glucose metabolism of <i>Escherichia coli</i> under nitrogen starvation. <i>Npj Systems Biology and Applications</i> , 2017, 3, 16035.	1.4	34
21	Strain Development by Whole-Cell Directed Evolution. , 2017, , 173-200.		2
22	Cocoa butter-like lipid production ability of non-oleaginous and oleaginous yeasts under nitrogen-limited culture conditions. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3577-3585.	1.7	60
23	Development of fungal cell factories for the production of secondary metabolites: Linking genomics and metabolism. <i>Synthetic and Systems Biotechnology</i> , 2017, 2, 5-12.	1.8	91
24	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
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26	Enhancing coupled enzymatic activity by conjugating one enzyme to a nanoparticle. <i>Nanoscale</i> , 2017, 9, 5172-5187.	2.8	41
27	Hybridization and adaptive evolution of diverse <i>Saccharomyces</i> species for cellulosic biofuel production. <i>Biotechnology for Biofuels</i> , 2017, 10, 78.	6.2	78
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29	Introduction: Unusual Enzymology in Natural Product Synthesis. <i>Chemical Reviews</i> , 2017, 117, 5223-5225.	23.0	10
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31	Harnessing plant metabolic diversity. <i>Current Opinion in Chemical Biology</i> , 2017, 40, 24-30.	2.8	56
32	Plant-Derived Transcription Factors for Orthologous Regulation of Gene Expression in the Yeast <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 1742-1756.	1.9	35
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34	Metabolic engineering strategies to bio-adipic acid production. <i>Current Opinion in Biotechnology</i> , 2017, 45, 136-143.	3.3	90
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39	Engineering central metabolism – a grand challenge for plant biologists. <i>Plant Journal</i> , 2017, 90, 749-763.	2.8	78
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42	Synthetische Biologie – die Synthese der Biologie. <i>Angewandte Chemie</i> , 2017, 129, 6494-6519.	1.6	11
43	Biotin-independent strains of <i>Escherichia coli</i> for enhanced streptavidin production. <i>Metabolic Engineering</i> , 2017, 40, 33-40.	3.6	27
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51	Engineering Microbial Metabolite Dynamics and Heterogeneity. <i>Biotechnology Journal</i> , 2017, 12, 1700422.	1.8	35
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54	Metabolic modeling to identify engineering targets for <i>Komagataella phaffii</i> : The effect of biomass composition on gene target identification. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2605-2615.	1.7	16
55	Elimination of the last reactions in ergosterol biosynthesis alters the resistance of <i>Saccharomyces cerevisiae</i> to multiple stresses. <i>FEMS Yeast Research</i> , 2017, 17, .	1.1	34

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57	The future of biologically inspired next-generation factories for chemicals. <i>Microbial Biotechnology</i> , 2017, 10, 1164-1166.	2.0	11
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75	Deciphering cyanobacterial phenotypes for fast photoautotrophic growth via isotopically nonstationary metabolic flux analysis. <i>Biotechnology for Biofuels</i> , 2017, 10, 273.	6.2	92
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84	Recent advances in metabolic engineering of <i>Saccharomyces cerevisiae</i> : New tools and their applications. <i>Metabolic Engineering</i> , 2018, 50, 85-108.	3.6	228
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87	An Orthogonal and pH-Tunable Sensor-Selector for Muconic Acid Biosynthesis in Yeast. <i>ACS Synthetic Biology</i> , 2018, 7, 995-1003.	1.9	50
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120	Metabolic engineering of capsular polysaccharides. <i>Emerging Topics in Life Sciences</i> , 2018, 2, 337-348.	1.1	13
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131	Microbial Platform for Terpenoid Production: <i>Escherichia coli</i> and Yeast. <i>Frontiers in Microbiology</i> , 2018, 9, 2460.	1.5	78
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133	Advancement in technologies for the depolymerization of lignin. <i>Fuel Processing Technology</i> , 2018, 181, 115-132.	3.7	159
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