M-path: a compass for navigating potential metabolic pathwa

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#	Paper	IF	Citations
25	Development of bio-based fine chemical production through synthetic bioengineering. *Microbial Cell Factories*, **2014**, 13, 173	6.4	33
24	Heading in the right direction: thermodynamics-based network analysis and pathway engineering. *Current Opinion in Biotechnology*, **2015**, 36, 176-82	11.4	67
23	ReactPRED: a tool to predict and analyze biochemical reactions. *Bioinformatics*, **2016**, 32, 3522-3524	7.2	17
22	SensiPath: computer-aided design of sensing-enabling metabolic pathways. *Nucleic Acids Research*, **2016**, 44, W226-31	20.1	47
21	Future insights in fungal metabolic engineering. *Bioresource Technology*, **2017**, 245, 1314-1326	11	43
20	Recent Advances in Microbial Production of Aromatic Chemicals and Derivatives. *Trends in Biotechnology*, **2017**, 35, 785-796	15.1	66
19	Engineering biological systems using automated biofoundries. *Metabolic Engineering*, **2017**, 42, 98-108	9.7	97
18	Evaluating the capabilities of microbial chemical production using genome-scale metabolic models. *Current Opinion in Systems Biology*, **2017**, 2, 91-97	3.2	3
17	Industrial Applications of Multistep Enzyme Reactions. **2017**, 433-450		4
16	A review of parameters and heuristics for guiding metabolic pathfinding. *Journal of Cheminformatics*, **2017**, 9, 51	8.6	16
15	Advances in analytical tools for high throughput strain engineering. *Current Opinion in Biotechnology*, **2018**, 54, 33-40	11.4	23
14	De novo design of biosynthetic pathways for bacterial production of bulk chemicals and biofuels. *FEMS Microbiology Letters*, **2018**, 365,	2.9	4
13	Targeted Nucleotide Editing Technologies for Microbial Metabolic Engineering. *Biotechnology Journal*, **2018**, 13, e1700596	5.6	27
12	Mechanism-based tuning of insect 3,4-dihydroxyphenylacetaldehyde synthase for synthetic bioproduction of benzylisoquinoline alkaloids. *Nature Communications*, **2019**, 10, 2015	17.4	17
11	Computational Approaches to Design and Test Plant Synthetic Metabolic Pathways. *Plant Physiology*, **2019**, 179, 894-906	6.6	19
10	Dynamic Metabolomics for Engineering Biology: Accelerating Learning Cycles for Bioproduction. *Trends in Biotechnology*, **2020**, 38, 68-82	15.1	12
9	Improving the organization and interactivity of metabolic pathfinding with precomputed pathways. *BMC Bioinformatics*, **2020**, 21, 13	3.6	7

8	Repositioning microbial biotechnology against COVID-19: the case of microbial production of flavonoids. *Microbial Biotechnology*, **2021**, 14, 94-110	6.3	11
7	History-Driven Genetic Modification Design Technique Using a Domain-Specific Lexical Model for the Acceleration of DBTL Cycles for Microbial Cell Factories. *ACS Synthetic Biology*, **2021**, 10, 2308-2317	5.7	1
6	Recent advances in metabolic engineering-integration of in silico design and experimental analysis of metabolic pathways. *Journal of Bioscience and Bioengineering*, **2021**, 132, 429-436	3.3	1
5	Knowledge extraction from literature and enzyme sequences complements FBA analysis in metabolic engineering. *Biotechnology Journal*, **2021**, 16, e2000443	5.6	0
4	Application of Graph Theory to Evaluate Chemical Reactions in Cells. *Journal of Physics: Conference Series*, **2019**, 1391, 012047	0.3	1
3	Feasible-metabolic-pathway-exploration technique using chemical latent space. *Bioinformatics*, **2020**, 36, i770-i778	7.2	1
2	PathWalue: Pathways with Value. *IFMBE Proceedings*, **2018**, 583-586	0.2	
1	Computational approaches for smart cell creation in the bioeconomy era. **2023**, 59-82		0