Benjamin M Woolston

List of Publications by Year
in descending order

18	1,007	687363 13	888059 17
papers	citations	h-index	g-index

20	20	20	1387
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolic Engineering: Past and Future. Annual Review of Chemical and Biomolecular Engineering, 2013, 4, 259-288.	6.8	254
2	Integrated bioprocess for conversion of gaseous substrates to liquids. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3773-3778.	7.1	156
3	Metabolic engineering in chemolithoautotrophic hosts for the production of fuels and chemicals. Metabolic Engineering, 2015, 30, 105-120.	7.0	80
4	Rediverting carbon flux in Clostridium ljungdahlii using CRISPR interference (CRISPRi). Metabolic Engineering, 2018, 48, 243-253.	7.0	80
5	Improving formaldehyde consumption drives methanol assimilation in engineered E. coli. Nature Communications, 2018, 9, 2387.	12.8	76
6	Synergistic substrate cofeeding stimulates reductive metabolism. Nature Metabolism, 2019, 1, 643-651.	11.9	71
7	Phage-Assisted Evolution of Bacillus methanolicus Methanol Dehydrogenase 2. ACS Synthetic Biology, 2019, 8, 796-806.	3.8	61
8	Enhancing hydrogenâ€dependent growth of and carbon dioxide fixation by Clostridium ljungdahlii through nitrate supplementation. Biotechnology and Bioengineering, 2019, 116, 294-306.	3.3	46
9	Development of a formaldehyde biosensor with application to synthetic methylotrophy. Biotechnology and Bioengineering, 2018, 115, 206-215.	3.3	44
10	Designing a New Entry Point into Isoprenoid Metabolism by Exploiting Fructose-6-Phosphate Aldolase Side Reactivity ofEscherichia coli. ACS Synthetic Biology, 2017, 6, 1416-1426.	3.8	33
11	Cysteine dependence of Lactobacillus iners is a potential therapeutic target for vaginal microbiota modulation. Nature Microbiology, 2022, 7, 434-450.	13.3	32
12	Biosynthesis of monoethylene glycol in Saccharomyces cerevisiae utilizing native glycolytic enzymes. Metabolic Engineering, 2019, 51, 20-31.	7.0	22
13	Synthetic or natural? Metabolic engineering for assimilation and valorization of methanol. Current Opinion in Biotechnology, 2022, 74, 171-179.	6.6	19
14	Long-Distance Translocation of Protein during Morphogenesis of the Fruiting Body in the Filamentous Fungus, Agaricus bisporus. PLoS ONE, 2011, 6, e28412.	2.5	12
15	Efficient C1 Elongation by Reversing Î±-Oxidation. Trends in Biotechnology, 2019, 37, 1273-1276.	9.3	2
16	Adapting isotopic tracer and metabolic flux analysis approaches to study C1 metabolism. Current Opinion in Biotechnology, 2022, 75, 102695.	6.6	2
17	Theoretical analysis of natural gas recovery from marginal wells with a deep well reactor. AICHE Journal, 2017, 63, 3642-3650.	3.6	1
18	Engineering E.Âcoli to Grow on Methanol. Joule, 2020, 4, 2070-2072.	24.0	0