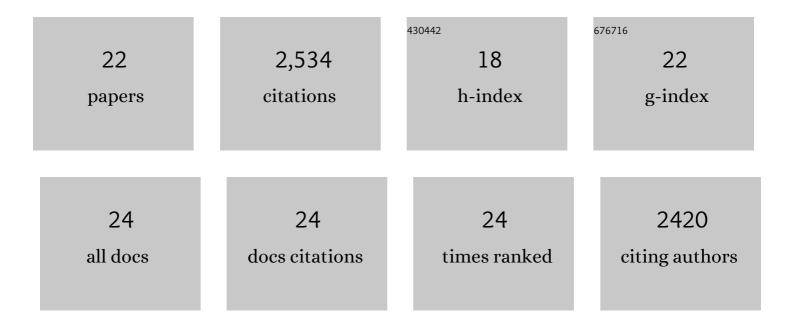
Ethan I Lan

List of Publications by Year in descending order

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Ετμανί Πανι

#	Article	IF	CITATIONS
1	Driving Forces Enable High-Titer Anaerobic 1-Butanol Synthesis in Escherichia coli. Applied and Environmental Microbiology, 2011, 77, 2905-2915.	1.4	572
2	Metabolic engineering of cyanobacteria for 1-butanol production from carbon dioxide. Metabolic Engineering, 2011, 13, 353-363.	3.6	352
3	ATP drives direct photosynthetic production of 1-butanol in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6018-6023.	3.3	327
4	Escherichia coli as a host for metabolic engineering. Metabolic Engineering, 2018, 50, 16-46.	3.6	250
5	Microbial synthesis of n-butanol, isobutanol, and other higher alcohols from diverse resources. Bioresource Technology, 2013, 135, 339-349.	4.8	171
6	Oxygen-tolerant coenzyme A-acylating aldehyde dehydrogenase facilitates efficient photosynthetic n-butanol biosynthesis in cyanobacteria. Energy and Environmental Science, 2013, 6, 2672.	15.6	143
7	Extending Carbon Chain Length of 1-Butanol Pathway for 1-Hexanol Synthesis from Glucose by Engineered <i>Escherichia coli</i> . Journal of the American Chemical Society, 2011, 133, 11399-11401.	6.6	131
8	A selection platform for carbon chain elongation using the CoA-dependent pathway to produce linear higher alcohols. Metabolic Engineering, 2012, 14, 504-511.	3.6	126
9	Metabolic engineering of cyanobacteria for photosynthetic 3-hydroxypropionic acid production from CO2 using Synechococcus elongatus PCC 7942. Metabolic Engineering, 2015, 31, 163-170.	3.6	90
10	Metabolic engineering of cyanobacteria for the photosynthetic production of succinate. Metabolic Engineering, 2016, 38, 483-493.	3.6	72
11	Advances in Metabolic Engineering of Cyanobacteria for Photosynthetic Biochemical Production. Metabolites, 2015, 5, 636-658.	1.3	71
12	A balanced ATP driving force module for enhancing photosynthetic biosynthesis of 3-hydroxybutyrate from CO2. Metabolic Engineering, 2018, 46, 35-42.	3.6	36
13	Renewable synthesis of n-butyraldehyde from glucose by engineered Escherichia coli. Biotechnology for Biofuels, 2017, 10, 291.	6.2	30
14	Metabolic Engineering Design Strategies for Increasing Acetyl-CoA Flux. Metabolites, 2020, 10, 166.	1.3	30
15	Quantitative target analysis and kinetic profiling of acyl-CoAs reveal the rate-limiting step in cyanobacterial 1-butanol production. Metabolomics, 2016, 12, 26.	1.4	28
16	Metabolic engineering of 2â€pentanone synthesis in <i>Escherichia coli</i> . AICHE Journal, 2013, 59, 3167-3175.	1.8	25
17	Chemical Production from Methanol Using Natural and Synthetic Methylotrophs. Biotechnology Journal, 2020, 15, 1900356.	1.8	22
18	Photoautotrophic synthesis of butyrate by metabolically engineered cyanobacteria. Biotechnology and Bioengineering, 2019, 116, 893-903.	1.7	21

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#	Article	IF	CITATIONS
19	Cometabolic degradation of toluene and TCE contaminated wastewater in a bench-scale sequencing batch reactor inoculated with immobilized Pseudomonas putida F1. Journal of the Taiwan Institute of Chemical Engineers, 2019, 104, 168-176.	2.7	16
20	Rapid Quantification of Gut Microbial Short-Chain Fatty Acids by pDART-MS. Analytical Chemistry, 2020, 92, 14892-14897.	3.2	12
21	Metabolic engineering of Escherichia coli for efficient biosynthesis of butyl acetate. Microbial Cell Factories, 2022, 21, 28.	1.9	6
22	Photosynthesis and Its Metabolic Engineering Applications. , 2018, , 121-165.		0