

# Ethan I Lan

## List of Publications by Year in descending order

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22  
papers

2,534  
citations

430874

18  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic engineering of <i>Escherichia coli</i> for efficient biosynthesis of butyl acetate. <i>Microbial Cell Factories</i> , 2022, 21, 28.	4.0	6
2	Rapid Quantification of Gut Microbial Short-Chain Fatty Acids by pDART-MS. <i>Analytical Chemistry</i> , 2020, 92, 14892-14897.	6.5	12
3	Metabolic Engineering Design Strategies for Increasing Acetyl-CoA Flux. <i>Metabolites</i> , 2020, 10, 166.	2.9	30
4	Chemical Production from Methanol Using Natural and Synthetic Methyloprophs. <i>Biotechnology Journal</i> , 2020, 15, 1900356.	3.5	22
5	Photoautotrophic synthesis of butyrate by metabolically engineered cyanobacteria. <i>Biotechnology and Bioengineering</i> , 2019, 116, 893-903.	3.3	21
6	Cometabolic degradation of toluene and TCE contaminated wastewater in a bench-scale sequencing batch reactor inoculated with immobilized <i>Pseudomonas putida</i> F1. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 104, 168-176.	5.3	16
7	<i>Escherichia coli</i> as a host for metabolic engineering. <i>Metabolic Engineering</i> , 2018, 50, 16-46.	7.0	250
8	A balanced ATP driving force module for enhancing photosynthetic biosynthesis of 3-hydroxybutyrate from CO <sub>2</sub> . <i>Metabolic Engineering</i> , 2018, 46, 35-42.	7.0	36
9	Photosynthesis and Its Metabolic Engineering Applications. , 2018, , 121-165.		0
10	Renewable synthesis of n-butyraldehyde from glucose by engineered <i>Escherichia coli</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 291.	6.2	30
11	Metabolic engineering of cyanobacteria for the photosynthetic production of succinate. <i>Metabolic Engineering</i> , 2016, 38, 483-493.	7.0	72
12	Quantitative target analysis and kinetic profiling of acyl-CoAs reveal the rate-limiting step in cyanobacterial 1-butanol production. <i>Metabolomics</i> , 2016, 12, 26.	3.0	28
13	Advances in Metabolic Engineering of Cyanobacteria for Photosynthetic Biochemical Production. <i>Metabolites</i> , 2015, 5, 636-658.	2.9	71
14	Metabolic engineering of cyanobacteria for photosynthetic 3-hydroxypropionic acid production from CO <sub>2</sub> using <i>Synechococcus elongatus</i> PCC 7942. <i>Metabolic Engineering</i> , 2015, 31, 163-170.	7.0	90
15	Oxygen-tolerant coenzyme A-acylating aldehyde dehydrogenase facilitates efficient photosynthetic n-butanol biosynthesis in cyanobacteria. <i>Energy and Environmental Science</i> , 2013, 6, 2672.	30.8	143
16	Metabolic engineering of 2-pentanone synthesis in <i>Escherichia coli</i> . <i>AIChE Journal</i> , 2013, 59, 3167-3175.	3.6	25
17	Microbial synthesis of n-butanol, isobutanol, and other higher alcohols from diverse resources. <i>Bioresource Technology</i> , 2013, 135, 339-349.	9.6	171
18	A selection platform for carbon chain elongation using the CoA-dependent pathway to produce linear higher alcohols. <i>Metabolic Engineering</i> , 2012, 14, 504-511.	7.0	126

#	ARTICLE	IF	CITATIONS
19	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.	7.1	327
20	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.	13.7	131
21	Driving Forces Enable High-Titer Anaerobic 1-Butanol Synthesis in <i>Escherichia coli</i> . Applied and Environmental Microbiology, 2011, 77, 2905-2915.	3.1	572
22	Metabolic engineering of cyanobacteria for 1-butanol production from carbon dioxide. Metabolic Engineering, 2011, 13, 353-363.	7.0	352