

Yuheng Lin

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,627
citations

331259

21
h-index

500791

28
g-index

29
all docs

29
docs citations

29
times ranked

1575
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing a pyruvate-driven metabolic scenario for growth-coupled microbial production. <i>Metabolic Engineering</i> , 2019, 55, 191-200.	3.6	28
2	Synthetic symbiosis combining plasmid displacement enables rapid construction of phenotype-stable strains. <i>Metabolic Engineering</i> , 2019, 55, 85-91.	3.6	6
3	Structural Insights into Catalytic Versatility of the Flavin-dependent Hydroxylase (HpaB) from <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2019, 9, 7087.	1.6	17
4	Investigation of the Synergetic Effect of Xylose Metabolic Pathways on the Production of Glutaric Acid. <i>ACS Synthetic Biology</i> , 2018, 7, 24-29.	1.9	35
5	Sensor-regulator and RNAi based bifunctional dynamic control network for engineered microbial synthesis. <i>Nature Communications</i> , 2018, 9, 3043.	5.8	73
6	Elevating 4-hydroxycoumarin production through alleviating thioesterase-mediated salicyl-CoA degradation. <i>Metabolic Engineering</i> , 2017, 42, 59-65.	3.6	24
7	Engineering a bacterial platform for total biosynthesis of caffeic acid derived phenethyl esters and amides. <i>Metabolic Engineering</i> , 2017, 44, 89-99.	3.6	49
8	Establishing a synergetic carbon utilization mechanism for non-catabolic use of glucose in microbial synthesis of trehalose. <i>Metabolic Engineering</i> , 2017, 39, 1-8.	3.6	25
9	Aerobic biosynthesis of hydrocinnamic acids in <i>Escherichia coli</i> with a strictly oxygen-sensitive enoate reductase. <i>Metabolic Engineering</i> , 2016, 35, 75-82.	3.6	42
10	Production of tyrosine through phenylalanine hydroxylation bypasses the intrinsic feedback inhibition in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 655-659.	1.4	6
11	Synthesis of chemicals by metabolic engineering of microbes. <i>Chemical Society Reviews</i> , 2015, 44, 3760-3785.	18.7	97
12	Regulating malonyl-CoA metabolism via synthetic antisense RNAs for enhanced biosynthesis of natural products. <i>Metabolic Engineering</i> , 2015, 29, 217-226.	3.6	159
13	Precursor-Directed Biosynthesis of 5-Hydroxytryptophan Using Metabolically Engineered <i>E. coli</i> . <i>ACS Synthetic Biology</i> , 2015, 4, 554-558.	1.9	20
14	Type AII lantibiotic bovicin HJ50 with a rare disulfide bond: structure, structure-activity relationships and mode of action. <i>Biochemical Journal</i> , 2014, 461, 497-508.	1.7	17
15	Biological Production of Muconic Acid via a Prokaryotic 2,3-Dihydroxybenzoic Acid Decarboxylase. <i>ChemSusChem</i> , 2014, 7, 2478-2481.	3.6	48
16	Extending shikimate pathway for the production of muconic acid and its precursor salicylic acid in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2014, 23, 62-69.	3.6	150
17	Microbial production of antioxidant food ingredients via metabolic engineering. <i>Current Opinion in Biotechnology</i> , 2014, 26, 71-78.	3.3	84
18	Biotechnological production of plant-specific hydroxylated phenylpropanoids. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1895-1899.	1.7	61

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19	Identification of Ligand Specificity Determinants in Lantibiotic Bovicin HJ50 and the Receptor BovK, a Multitransmembrane Histidine Kinase. <i>Journal of Biological Chemistry</i> , 2014, 289, 9823-9832.	1.6	11
20	Engineering Bacterial Phenylalanine 4-Hydroxylase for Microbial Synthesis of Human Neurotransmitter Precursor 5-Hydroxytryptophan. <i>ACS Synthetic Biology</i> , 2014, 3, 497-505.	1.9	62
21	Caffeic acid production enhancement by engineering a phenylalanine overproducing <i>Escherichia coli</i> strain. <i>Biotechnology and Bioengineering</i> , 2013, 110, 3188-3196.	1.7	122
22	Microbial biosynthesis of the anticoagulant precursor 4-hydroxycoumarin. <i>Nature Communications</i> , 2013, 4, 2603.	5.8	130
23	Combinatorial biosynthesis of plant-specific coumarins in bacteria. <i>Metabolic Engineering</i> , 2013, 18, 69-77.	3.6	77
24	A Novel Muconic Acid Biosynthesis Approach by Shunting Tryptophan Biosynthesis via Anthranilate. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4024-4030.	1.4	88
25	Inhibition of acetate accumulation leads to enhanced production of (R,R)-2,3-butanediol from glycerol in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1725-1729.	1.4	28
26	Biosynthesis of caffeic acid in <i>Escherichia coli</i> using its endogenous hydroxylase complex. <i>Microbial Cell Factories</i> , 2012, 11, 42.	1.9	124
27	Dissection of the bridging pattern of bovicin HJ50, a lantibiotic containing a characteristic disulfide bridge. <i>Microbiological Research</i> , 2011, 166, 146-154.	2.5	40