Yuheng Lin

List of Publications by Year
in descending order

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	Regulating malonyl-CoA metabolism via synthetic antisense RNAs for enhanced biosynthesis of natural products. Metabolic Engineering, 2015, 29, 217-226.	3.6	159
2	Extending shikimate pathway for the production of muconic acid and its precursor salicylic acid in Escherichia coli. Metabolic Engineering, 2014, 23, 62-69.	3.6	150
3	Microbial biosynthesis of the anticoagulant precursor 4-hydroxycoumarin. Nature Communications, 2013, 4, 2603.	5.8	130
4	Biosynthesis of caffeic acid in Escherichia coli using its endogenous hydroxylase complex. Microbial Cell Factories, 2012, 11, 42.	1.9	124
5	Caffeic acid production enhancement by engineering a phenylalanine overâ€producing Escherichia coli strain. Biotechnology and Bioengineering, 2013, 110, 3188-3196.	1.7	122
6	Synthesis of chemicals by metabolic engineering of microbes. Chemical Society Reviews, 2015, 44, 3760-3785.	18.7	97
7	A Novel Muconic Acid Biosynthesis Approach by Shunting Tryptophan Biosynthesis via Anthranilate. Applied and Environmental Microbiology, 2013, 79, 4024-4030.	1.4	88
8	Microbial production of antioxidant food ingredients via metabolic engineering. Current Opinion in Biotechnology, 2014, 26, 71-78.	3.3	84
9	Combinatorial biosynthesis of plant-specific coumarins in bacteria. Metabolic Engineering, 2013, 18, 69-77.	3.6	77
10	Sensor-regulator and RNAi based bifunctional dynamic control network for engineered microbial synthesis. Nature Communications, 2018, 9, 3043.	5.8	73
11	Engineering Bacterial Phenylalanine 4-Hydroxylase for Microbial Synthesis of Human Neurotransmitter Precursor 5-Hydroxytryptophan. ACS Synthetic Biology, 2014, 3, 497-505.	1.9	62
12	Biotechnological production of plantâ€specific hydroxylated phenylpropanoids. Biotechnology and Bioengineering, 2014, 111, 1895-1899.	1.7	61
13	Engineering a bacterial platform for total biosynthesis of caffeic acid derived phenethyl esters and amides. Metabolic Engineering, 2017, 44, 89-99.	3.6	49
14	Biological Production of Muconic Acid via a Prokaryotic 2,3â€Dihydroxybenzoic Acid Decarboxylase. ChemSusChem, 2014, 7, 2478-2481.	3.6	48
15	Aerobic biosynthesis of hydrocinnamic acids in Escherichia coli with a strictly oxygen-sensitive enoate reductase. Metabolic Engineering, 2016, 35, 75-82.	3.6	42
16	Dissection of the bridging pattern of bovicin HJ50, a lantibiotic containing a characteristic disulfide bridge. Microbiological Research, 2011, 166, 146-154.	2.5	40
17	Investigation of the Synergetic Effect of Xylose Metabolic Pathways on the Production of Glutaric Acid. ACS Synthetic Biology, 2018, 7, 24-29.	1.9	35
18	Inhibition of acetate accumulation leads to enhanced production of (R,R)-2,3-butanediol from glycerol in Escherichia coli. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1725-1729.	1.4	28

#	Article	IF	Citations
19	Developing a pyruvate-driven metabolic scenario for growth-coupled microbial production. Metabolic Engineering, 2019, 55, 191-200.	3.6	28
20	Establishing a synergetic carbon utilization mechanism for non-catabolic use of glucose in microbial synthesis of trehalose. Metabolic Engineering, 2017, 39, 1-8.	3.6	25
21	Elevating 4-hydroxycoumarin production through alleviating thioesterase-mediated salicoyl-CoA degradation. Metabolic Engineering, 2017, 42, 59-65.	3.6	24
22	Precursor-Directed Biosynthesis of 5-Hydroxytryptophan Using Metabolically Engineered E. coli. ACS Synthetic Biology, 2015, 4, 554-558.	1.9	20
23	Type AII lantibiotic bovicin HJ50 with a rare disulfide bond: structure, structureâ€“activity relationships and mode of action. Biochemical Journal, 2014, 461, 497-508.	1.7	17
24	Structural Insights into Catalytic Versatility of the Flavin-dependent Hydroxylase (HpaB) from Escherichia coli. Scientific Reports, 2019, 9, 7087.	1.6	17
25	Identification of Ligand Specificity Determinants in Lantibiotic Bovicin HJ50 and the Receptor BovK, a Multitransmembrane Histidine Kinase. Journal of Biological Chemistry, 2014, 289, 9823-9832.	1.6	11
26	Production of tyrosine through phenylalanine hydroxylation bypasses the intrinsic feedback inhibition in Escherichia coli. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 655-659.	1.4	6
27	Synthetic symbiosis combining plasmid displacement enables rapid construction of phenotype-stable strains. Metabolic Engineering, 2019, 55, 85-91.	3.6	6