Jina Yang

List of Publications by Year
in descending order

19 papers	899 citations	623188 14 h-index	839053 18 g-index
19 all docs	19 docs citations	19 times ranked	1096 citing authors

#	Article	IF	Citations
1	Engineering Vibrio sp. SP1 for the production of carotenoids directly from brown macroalgae. Computational and Structural Biotechnology Journal, 2021, 19, 1531-1540.	1.9	8
2	Synthetic protein quality control to enhance full-length translation in bacteria. Nature Chemical Biology, 2021, 17, 421-427.	3.9	10
3	Synthetic biosensor accelerates evolution by rewiring carbon metabolism toward a specific metabolite. Cell Reports, 2021, 36, 109589.	2.9	18
4	Synthetic cellular communication-based screening for strains with improved 3-hydroxypropionic acid secretion. Lab on A Chip, 2021, 21, 4455-4463.	3.1	12
5	Complete Genome Sequence of Lactic Acid Bacterium Pediococcus acidilactici Strain ATCC 8042, an Autolytic Anti-bacterial Peptidoglycan Hydrolase Producer. Biotechnology and Bioprocess Engineering, 2019, 24, 483-487.	1.4	5
6	Synthetic biology for evolutionary engineering: from perturbation of genotype to acquisition of desired phenotype. Biotechnology for Biofuels, 2019, 12, 113.	6.2	36
7	Synthetic Regulatory Tools to Engineer Microbial Cell Factories for Chemical Production. , 2019, , 115-141.		0
8	Diffusiophoretic exclusion of colloidal particles for continuous water purification. Lab on A Chip, 2018, 18, 1713-1724.	3.1	42
9	Directed evolution of the 3-hydroxypropionic acid production pathway by engineering aldehyde dehydrogenase using a synthetic selection device. Metabolic Engineering, 2018, 47, 113-120.	3.6	57
10	RNA-based dynamic genetic controllers: development strategies and applications. Current Opinion in Biotechnology, 2018, 53, 1-11.	3.3	37
11	Synthetic auxotrophs for stable and tunable maintenance of plasmid copy number. Metabolic Engineering, 2018, 48, 121-128.	3.6	48
12	Revealing genome-scale transcriptional regulatory landscape of OmpR highlights its expanded regulatory roles under osmotic stress in Escherichia coli K-12 MG1655. Scientific Reports, 2017, 7, 2181.	1.6	35
13	Synthetic redesign of Escherichia coli for cadaverine production from galactose. Biotechnology for Biofuels, 2017, 10, 20.	6.2	34
14	Riboselector. Methods in Enzymology, 2015, 550, 341-362.	0.4	17
15	Predictive combinatorial design of mRNA translation initiation regions for systematic optimization of gene expression levels. Scientific Reports, 2014, 4, 4515.	1.6	59
16	Synthetic RNA devices to expedite the evolution of metabolite-producing microbes. Nature Communications, 2013, 4, 1413.	5.8	140
17	Predictive design of mRNA translation initiation region to control prokaryotic translation efficiency. Metabolic Engineering, 2013, 15, 67-74.	3.6	240
18	Synthetic biology: Tools to design microbes for the production of chemicals and fuels. Biotechnology Advances, 2013, 31, 811-817.	6.0	56

#	Article	IF	Citations
19	Quantitative correlation between mRNA secondary structure around the region downstream of the initiation codon and translational efficiency in Escherichia coli. Biotechnology and Bioengineering, 2009, 104, 611-616.	1.7	45