

# Jina Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/16995/publications.pdf>

Version: 2024-02-01

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	Predictive design of mRNA translation initiation region to control prokaryotic translation efficiency. <i>Metabolic Engineering</i> , 2013, 15, 67-74.	3.6	240
2	Synthetic RNA devices to expedite the evolution of metabolite-producing microbes. <i>Nature Communications</i> , 2013, 4, 1413.	5.8	140
3	Predictive combinatorial design of mRNA translation initiation regions for systematic optimization of gene expression levels. <i>Scientific Reports</i> , 2014, 4, 4515.	1.6	59
4	Directed evolution of the 3-hydroxypropionic acid production pathway by engineering aldehyde dehydrogenase using a synthetic selection device. <i>Metabolic Engineering</i> , 2018, 47, 113-120.	3.6	57
5	Synthetic biology: Tools to design microbes for the production of chemicals and fuels. <i>Biotechnology Advances</i> , 2013, 31, 811-817.	6.0	56
6	Synthetic auxotrophs for stable and tunable maintenance of plasmid copy number. <i>Metabolic Engineering</i> , 2018, 48, 121-128.	3.6	48
7	Quantitative correlation between mRNA secondary structure around the region downstream of the initiation codon and translational efficiency in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2009, 104, 611-616.	1.7	45
8	Diffusiophoretic exclusion of colloidal particles for continuous water purification. <i>Lab on A Chip</i> , 2018, 18, 1713-1724.	3.1	42
9	RNA-based dynamic genetic controllers: development strategies and applications. <i>Current Opinion in Biotechnology</i> , 2018, 53, 1-11.	3.3	37
10	Synthetic biology for evolutionary engineering: from perturbation of genotype to acquisition of desired phenotype. <i>Biotechnology for Biofuels</i> , 2019, 12, 113.	6.2	36
11	Revealing genome-scale transcriptional regulatory landscape of OmpR highlights its expanded regulatory roles under osmotic stress in <i>Escherichia coli</i> K-12 MG1655. <i>Scientific Reports</i> , 2017, 7, 2181.	1.6	35
12	Synthetic redesign of <i>Escherichia coli</i> for cadaverine production from galactose. <i>Biotechnology for Biofuels</i> , 2017, 10, 20.	6.2	34
13	Synthetic biosensor accelerates evolution by rewiring carbon metabolism toward a specific metabolite. <i>Cell Reports</i> , 2021, 36, 109589.	2.9	18
14	Riboselector. <i>Methods in Enzymology</i> , 2015, 550, 341-362.	0.4	17
15	Synthetic cellular communication-based screening for strains with improved 3-hydroxypropionic acid secretion. <i>Lab on A Chip</i> , 2021, 21, 4455-4463.	3.1	12
16	Synthetic protein quality control to enhance full-length translation in bacteria. <i>Nature Chemical Biology</i> , 2021, 17, 421-427.	3.9	10
17	Engineering <i>Vibrio</i> sp. SP1 for the production of carotenoids directly from brown macroalgae. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1531-1540.	1.9	8
18	Complete Genome Sequence of Lactic Acid Bacterium <i>Pediococcus acidilactici</i> Strain ATCC 8042, an Autolytic Anti-bacterial Peptidoglycan Hydrolase Producer. <i>Biotechnology and Bioengineering</i> , 2019, 24, 483-487.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Synthetic Regulatory Tools to Engineer Microbial Cell Factories for Chemical Production. , 2019, , 115-141.		0