

# Haoqian M Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

912  
citations

516710

16  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1031  
citing authors

#	ARTICLE	IF	CITATIONS
1	De novo design of an intercellular signaling toolbox for multi-channel cell-cell communication and biological computation. <i>Nature Communications</i> , 2020, 11, 4226.	12.8	58
2	Engineering <i>Pseudomonas entomophila</i> for synthesis of copolymers with defined fractions of 3-hydroxybutyrate and medium-chain-length 3-hydroxyalkanoates. <i>Metabolic Engineering</i> , 2019, 52, 253-262.	7.0	26
3	Pilot Scale-up of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) Production by <i>Halomonas bluephagenesis</i> via Cell Growth Adapted Optimization Process. <i>Biotechnology Journal</i> , 2018, 13, e1800074.	3.5	57
4	Engineering of <i>Halomonas bluephagenesis</i> for low cost production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) from glucose. <i>Metabolic Engineering</i> , 2018, 47, 143-152.	7.0	89
5	Engineering of a genetic circuit with regulatable multistability. <i>Integrative Biology (United Kingdom)</i> , 2018, 10, 474-482.	1.3	18
6	Rational Design of an Ultrasensitive Quorum-Sensing Switch. <i>ACS Synthetic Biology</i> , 2017, 6, 1445-1452.	3.8	19
7	Novel T7-like expression systems used for <i>Halomonas</i> . <i>Metabolic Engineering</i> , 2017, 39, 128-140.	7.0	93
8	Engineering <i>Halomonas bluephagenesis</i> TD01 for non-sterile production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate). <i>Bioresource Technology</i> , 2017, 244, 534-541.	9.6	114
9	Insulated transcriptional elements enable precise design of genetic circuits. <i>Nature Communications</i> , 2017, 8, 52.	12.8	73
10	Engineering <i>Escherichia coli</i> to bind to cyanobacteria. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 347-352.	2.2	3
11	Paired Design of dCas9 as a Systematic Platform for the Detection of Featured Nucleic Acid Sequences in Pathogenic Strains. <i>ACS Synthetic Biology</i> , 2017, 6, 211-216.	3.8	130
12	Engineering of core promoter regions enables the construction of constitutive and inducible promoters in <i>Halomonas</i> sp.. <i>Biotechnology Journal</i> , 2016, 11, 219-227.	3.5	43
13	An extraordinary stringent and sensitive light-switchable gene expression system for bacterial cells. <i>Cell Research</i> , 2016, 26, 854-857.	12.0	44
14	Measurements of Gene Expression at Steady State Improve the Predictability of Part Assembly. <i>ACS Synthetic Biology</i> , 2016, 5, 269-273.	3.8	12
15	Design, Construction, and Characterization of a Set of Biosensors for Aromatic Compounds. <i>ACS Synthetic Biology</i> , 2014, 3, 1011-1014.	3.8	46
16	Programming a Pavlovian-like conditioning circuit in <i>Escherichia coli</i> . <i>Nature Communications</i> , 2014, 5, 3102.	12.8	32
17	Rational design of a biosensor circuit with semi-log dose-response function in <i>Escherichia coli</i> . <i>Quantitative Biology</i> , 2013, 1, 209-220.	0.5	5
18	A Formalized Design Process for Bacterial Consortia That Perform Logic Computing. <i>PLoS ONE</i> , 2013, 8, e57482.	2.5	24

#	ARTICLE	IF	CITATIONS
19	Automated Design of Genetic Toggle Switches with Predetermined Bistability. ACS Synthetic Biology, 2012, 1, 284-290.	3.8	25