Haoqian M Zhang

List of Publications by Year
in descending order

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	Paired Design of dCas9 as a Systematic Platform for the Detection of Featured Nucleic Acid Sequences in Pathogenic Strains. ACS Synthetic Biology, 2017, 6, 211-216.	3.8	130
2	Engineering Halomonas bluephagenesis TD01 for non-sterile production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate). Bioresource Technology, 2017, 244, 534-541.	9.6	114
3	Novel T7-like expression systems used for Halomonas. Metabolic Engineering, 2017, 39, 128-140.	7.0	93
4	Engineering of Halomonas bluephagenesis for low cost production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) from glucose. Metabolic Engineering, 2018, 47, 143-152.	7.0	89
5	Insulated transcriptional elements enable precise design of genetic circuits. Nature Communications, 2017, 8, 52.	12.8	73
6	De novo design of an intercellular signaling toolbox for multi-channel cellâ€“cell communication and biological computation. Nature Communications, 2020, 11, 4226.	12.8	58
7	Pilot Scaleâ€up of Poly(3â€hydroxybutyrateâ€coâ€4â€hydroxybutyrate) Production by Halomonas bluephagenesis via Cell Growth Adapted Optimization Process. Biotechnology Journal, 2018, 13, e1800074.	3.5	57
8	Design, Construction, and Characterization of a Set of Biosensors for Aromatic Compounds. ACS Synthetic Biology, 2014, 3, 1011-1014.	3.8	46
9	An extraordinary stringent and sensitive light-switchable gene expression system for bacterial cells. Cell Research, 2016, 26, 854-857.	12.0	44
10	Engineering of core promoter regions enables the construction of constitutive and inducible promoters in Halomonas sp.. Biotechnology Journal, 2016, 11, 219-227.	3.5	43
11	Programming a Pavlovian-like conditioning circuit in Escherichia coli. Nature Communications, 2014, 5, 3102.	12.8	32
12	Engineering Pseudomonas entomophila for synthesis of copolymers with defined fractions of 3-hydroxybutyrate and medium-chain-length 3-hydroxyalkanoates. Metabolic Engineering, 2019, 52, 253-262.	7.0	26
13	Automated Design of Genetic Toggle Switches with Predetermined Bistability. ACS Synthetic Biology, 2012, 1, 284-290.	3.8	25
14	A Formalized Design Process for Bacterial Consortia That Perform Logic Computing. PLoS ONE, 2013, 8, e57482.	2.5	24
15	Rational Design of an Ultrasensitive Quorum-Sensing Switch. ACS Synthetic Biology, 2017, 6, 1445-1452.	3.8	19
16	Engineering of a genetic circuit with regulatable multistability. Integrative Biology (United Kingdom), 2018, 10, 474-482.	1.3	18
17	Measurements of Gene Expression at Steady State Improve the Predictability of Part Assembly. ACS Synthetic Biology, 2016, 5, 269-273.	3.8	12
18	Rational design of a biosensor circuit with semiâ€log doseâ€response function in Escherichia coli. Quantitative Biology, 2013, 1, 209-220.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Engineering Escherichia coli to bind to cyanobacteria. Journal of Bioscience and Bioengineering, 2017, 123, 347-352.	2.2	3