

# Yu Wang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

1,618  
citations

24  
h-index

39  
g-index

70  
ext. papers

2,133  
ext. citations

6.9  
avg, IF

4.8  
L-index

#	Paper	IF	Citations
61	Metabolic engineering of <i>Enterobacter cloacae</i> for high-yield production of enantiopure (2R,3R)-2,3-butanediol from lignocellulose-derived sugars. <i>Metabolic Engineering</i> , <b>2015</b> , 28, 19-27	9.7	96
60	MACBETH: Multiplex automated <i>Corynebacterium glutamicum</i> base editing method. <i>Metabolic Engineering</i> , <b>2018</b> , 47, 200-210	9.7	85
59	CRISPR/Cas9-based Genome Editing in <i>Pseudomonas aeruginosa</i> and Cytidine Deaminase-Mediated Base Editing in <i>Pseudomonas</i> Species. <i>iScience</i> , <b>2018</b> , 6, 222-231	6.1	82
58	A newly isolated <i>Bacillus licheniformis</i> strain thermophilically produces 2,3-butanediol, a platform and fuel bio-chemical. <i>Biotechnology for Biofuels</i> , <b>2013</b> , 6, 123	7.8	80
57	Production of 2,3-butanediol from corncob molasses, a waste by-product in xylitol production. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 965-70	5.7	79
56	Genome Sequence of <i>Klebsiella pneumoniae</i> LZ, a Potential Platform Strain for 1,3-Propanediol Production. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 6017-6017	3.5	78
55	Development of a CRISPR/Cas9 genome editing toolbox for <i>Corynebacterium glutamicum</i> . <i>Microbial Cell Factories</i> , <b>2017</b> , 16, 205	6.4	68
54	Engineering <i>Corynebacterium glutamicum</i> for methanol-dependent growth and glutamate production. <i>Metabolic Engineering</i> , <b>2018</b> , 49, 220-231	9.7	59
53	Biocatalytic production of (2S,3S)-2,3-butanediol from diacetyl using whole cells of engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , <b>2012</b> , 115, 111-6	11	57
52	Production of (2S,3S)-2,3-butanediol and (3S)-acetoin from glucose using resting cells of <i>Klebsiella pneumoniae</i> and <i>Bacillus subtilis</i> . <i>Bioresource Technology</i> , <b>2011</b> , 102, 10741-4	11	54
51	CRISPR-Cas9 and CRISPR-Assisted Cytidine Deaminase Enable Precise and Efficient Genome Editing in <i>Klebsiella pneumoniae</i> . <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	53
50	Glycerol dehydrogenase plays a dual role in glycerol metabolism and 2,3-butanediol formation in <i>Klebsiella pneumoniae</i> . <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 6080-90	5.4	51
49	Engineering of cofactor regeneration enhances (2S,3S)-2,3-butanediol production from diacetyl. <i>Scientific Reports</i> , <b>2013</b> , 3, 2643	4.9	49
48	Production of (3S)-acetoin from diacetyl by using stereoselective NADPH-dependent carbonyl reductase and glucose dehydrogenase. <i>Bioresource Technology</i> , <b>2013</b> , 137, 111-5	11	43
47	Efficient 2,3-butanediol production from cassava powder by a crop-biomass-utilizer, <i>Enterobacter cloacae</i> subsp. <i>dissolvens</i> SDM. <i>PLoS ONE</i> , <b>2012</b> , 7, e40442	3.7	41
46	Efficient simultaneous saccharification and fermentation of inulin to 2,3-butanediol by thermophilic <i>Bacillus licheniformis</i> ATCC 14580. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 6458-64	4.8	40
45	Co-utilization of glycerol and lignocellulosic hydrolysates enhances anaerobic 1,3-propanediol production by <i>Clostridium diolis</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 19044	4.9	40

44	Enhancing the light-driven production of D-lactate by engineering cyanobacterium using a combinational strategy. <i>Scientific Reports</i> , <b>2015</b> , 5, 9777	4.9	38
43	Coordination of metabolic pathways: Enhanced carbon conservation in 1,3-propanediol production by coupling with optically pure lactate biosynthesis. <i>Metabolic Engineering</i> , <b>2017</b> , 41, 102-114	9.7	37
42	A Novel <i>Corynebacterium glutamicum</i> l-Glutamate Exporter. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	32
41	Production of C3 platform chemicals from CO2 by genetically engineered cyanobacteria. <i>Green Chemistry</i> , <b>2015</b> , 17, 3100-3110	10	31
40	Expanding targeting scope, editing window, and base transition capability of base editing in <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioengineering</i> , <b>2019</b> , 116, 3016-3029	4.9	25
39	Metabolic engineering of <i>Escherichia coli</i> for production of (2S,3S)-butane-2,3-diol from glucose. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 143	7.8	25
38	Adaptive laboratory evolution enhances methanol tolerance and conversion in engineered <i>Corynebacterium glutamicum</i> . <i>Communications Biology</i> , <b>2020</b> , 3, 217	6.7	24
37	Synthetic Methylophony: A Practical Solution for Methanol-Based Biomanufacturing. <i>Trends in Biotechnology</i> , <b>2020</b> , 38, 650-666	15.1	24
36	Metabolic engineering of <i>Corynebacterium glutamicum</i> by synthetic small regulatory RNAs. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2019</b> , 46, 203-208	4.2	23
35	Biological conversion of methanol by evolved <i>Escherichia coli</i> carrying a linear methanol assimilation pathway. <i>Bioresources and Bioprocessing</i> , <b>2017</b> , 4,	5.2	21
34	A Highly Efficient CRISPR-Cas9-Based Genome Engineering Platform in <i>Acinetobacter baumannii</i> to Understand the HO-Sensing Mechanism of OxyR. <i>Cell Chemical Biology</i> , <b>2019</b> , 26, 1732-1742.e5	8.2	20
33	Switch of metabolic status: redirecting metabolic flux for acetoin production from glycerol by activating a silent glycerol catabolism pathway. <i>Metabolic Engineering</i> , <b>2017</b> , 39, 90-101	9.7	20
32	Enhancing 5-aminolevulinic acid tolerance and production by engineering the antioxidant defense system of <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , <b>2019</b> , 116, 2018-2028	4.9	19
31	Efficient bioproduction of 5-aminolevulinic acid, a promising biostimulant and nutrient, from renewable bioresources by engineered. <i>Biotechnology for Biofuels</i> , <b>2020</b> , 13, 41	7.8	18
30	Microbial Base Editing: A Powerful Emerging Technology for Microbial Genome Engineering. <i>Trends in Biotechnology</i> , <b>2021</b> , 39, 165-180	15.1	17
29	CRISPR-dCas9 Mediated Cytosine Deaminase Base Editing in. <i>ACS Synthetic Biology</i> , <b>2020</b> , 9, 1781-1789	5.7	16
28	Engineering Artificial Fusion Proteins for Enhanced Methanol Bioconversion. <i>ChemBioChem</i> , <b>2018</b> , 19, 2465-2471	3.8	16
27	A photoautotrophic platform for the sustainable production of valuable plant natural products from CO2. <i>Green Chemistry</i> , <b>2016</b> , 18, 3537-3548	10	15

26	In-situ generation of large numbers of genetic combinations for metabolic reprogramming via CRISPR-guided base editing. <i>Nature Communications</i> , <b>2021</b> , 12, 678	17.4	15
25	Genome sequences of two thermophilic <i>Bacillus licheniformis</i> strains, efficient producers of platform chemical 2,3-butanediol. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 4133-4	3.5	14
24	Genome Sequence of <i>Bacillus cereus</i> Strain A1, an Efficient Starch-Utilizing Producer of Hydrogen. <i>Genome Announcements</i> , <b>2014</b> , 2,		12
23	Efficient Multiplex Gene Repression by CRISPR-dCpf1 in. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 357	5.8	10
22	Strategies for Developing CRISPR-Based Gene Editing Methods in Bacteria. <i>Small Methods</i> , <b>2020</b> , 4, 1900568	5.6	10
21	CRISPR/Cas13d-Mediated Microbial RNA Knockdown. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 856	5.8	8
20	Genome Sequence of a Promising Hydrogen-Producing Facultative Anaerobic Bacterium, <i>Brevundimonas naejangsanensis</i> Strain B1. <i>Genome Announcements</i> , <b>2014</b> , 2,		7
19	Cytosine Base Editor (hA3A-BE3-NG)-Mediated Multiple Gene Editing for Pyramid Breeding in Pigs. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 592623	4.5	7
18	Comprehensive optimization of the metabolomic methodology for metabolite profiling of <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 7113-7121	5.7	6
17	Genome Sequence of <i>Clostridium diolis</i> Strain DSM 15410, a Promising Natural Producer of 1,3-Propanediol. <i>Genome Announcements</i> , <b>2013</b> , 1,		6
16	Genome Sequence of <i>Clostridium butyricum</i> Strain DSM 10702, a Promising Producer of Biofuels and Biochemicals. <i>Genome Announcements</i> , <b>2013</b> , 1,		6
15	Genome sequence of <i>Klebsiella pneumoniae</i> LZ, a potential platform strain for 1,3-propanediol production. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 4457-8	3.5	6
14	Genome Sequence of meso-2,3-Butanediol-Producing Strain <i>Serratia marcescens</i> ATCC 14041. <i>Genome Announcements</i> , <b>2014</b> , 2,		5
13	Mutations in Peptidoglycan Synthesis Gene Improve Electrotransformation Efficiency of ATCC 13869. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	5
12	Isoleucyl-tRNA synthetase mutant based whole-cell biosensor for high-throughput selection of isoleucine overproducers. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 172, 112783	11.8	4
11	Promoting Lignin Valorization by Coping with Toxic C1 Byproducts. <i>Trends in Biotechnology</i> , <b>2021</b> , 39, 331-335	15.1	4
10	Genome Sequence of <i>Lactobacillus curieae</i> CCTCC M 2011381T, a Novel Producer of Gamma-aminobutyric Acid. <i>Genome Announcements</i> , <b>2015</b> , 3,		3
9	Genome Sequence of Thermophilic <i>Bacillus licheniformis</i> Strain 3F-3, an Efficient Pentose-Utilizing Producer of 2,3-Butanediol. <i>Genome Announcements</i> , <b>2014</b> , 2,		3

8	Genome Sequence of <i>Klebsiella pneumoniae</i> Strain ATCC 25955, an Oxygen-Insensitive Producer of 1,3-Propanediol. <i>Genome Announcements</i> , <b>2013</b> , 1,		2
7	Transcriptome analysis reveals the roles of nitrogen metabolism and sedoheptulose biphosphatase pathway in methanol-dependent growth of <i>Corynebacterium glutamicum</i> . <i>Microbial Biotechnology</i> , <b>2021</b> , 14, 1797-1808	6.3	2
6	CRISPR-assisted rational flux-tuning and arrayed CRISPRi screening of an L-proline exporter for L-proline hyperproduction.. <i>Nature Communications</i> , <b>2022</b> , 13, 891	17.4	2
5	CRISPR/Cas9-mediated ssDNA Recombineering in. <i>Bio-protocol</i> , <b>2018</b> , 8, e3038	0.9	1
4	Development of a Hyperosmotic Stress Inducible Gene Expression System by Engineering the MtrA/MtrB-Dependent Promoter in. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 718511	5.7	1
3	Directed Evolution and Rational Design of Mechanosensitive Channel MscCG2 for Improved Glutamate Excretion Efficiency.. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 15660-15669	5.7	1
2	Evaluation of <i>Aspergillus niger</i> Six Constitutive Strong Promoters by Fluorescent-Auxotrophic Selection Coupled with Flow Cytometry: A Case for Citric Acid Production. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2022</b> , 8, 568	5.6	0
1	Developing Synthetic Methylotrophs by Metabolic Engineering-Guided Adaptive Laboratory Evolution.. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2022</b> , 1	1.7	