

Yaokang Wu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

751
citations

687220

13
h-index

752573

20
g-index

24
all docs

24
docs citations

24
times ranked

576
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances and prospects of <i>Bacillus subtilis</i> cellular factories: From rational design to industrial applications. <i>Metabolic Engineering</i> , 2018, 50, 109-121.	3.6	163
2	Design of a programmable biosensor-CRISPRi genetic circuits for dynamic and autonomous dual-control of metabolic flux in <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 2020, 48, 996-1009.	6.5	111
3	Engineering a Bifunctional Phr60-Rap60-Spo0A Quorum-Sensing Molecular Switch for Dynamic Fine-Tuning of Menaquinone-7 Synthesis in <i>Bacillus subtilis</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 1826-1837.	1.9	87
4	CRISPRi allows optimal temporal control of N-acetylglucosamine bioproduction by a dynamic coordination of glucose and xylose metabolism in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2018, 49, 232-241.	3.6	83
5	CAMERS: CRISPR/Cpf1 assisted multiple genes editing and regulation system for <i>Bacillus subtilis</i> . <i>Biotechnology and Bioengineering</i> , 2020, 117, 1817-1825.	1.7	58
6	Refactoring transcription factors for metabolic engineering. <i>Biotechnology Advances</i> , 2022, 57, 107935.	6.0	35
7	Synthetic biology for future food: Research progress and future directions. <i>Future Foods</i> , 2021, 3, 100025.	2.4	31
8	Design and construction of novel biocatalyst for bioprocessing: Recent advances and future outlook. <i>Bioresource Technology</i> , 2021, 332, 125071.	4.8	27
9	Synthetic metabolic channel by functional membrane microdomains for compartmentalized flux control. <i>Metabolic Engineering</i> , 2020, 59, 106-118.	3.6	21
10	New synthetic biology tools for metabolic control. <i>Current Opinion in Biotechnology</i> , 2022, 76, 102724.	3.3	21
11	A pathway independent multi-modular ordered control system based on thermosensors and CRISPRi improves bioproduction in <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 2022, 50, 6587-6600.	6.5	20
12	Combining CRISPR-Cpf1 and Recombineering Facilitates Fast and Efficient Genome Editing in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2022, 11, 1897-1907.	1.9	17
13	Production of proteins and commodity chemicals using engineered <i>Bacillus subtilis</i> platform strain. <i>Essays in Biochemistry</i> , 2021, 65, 173-185.	2.1	16
14	Applications of CRISPR in a Microbial Cell Factory: From Genome Reconstruction to Metabolic Network Reprogramming. <i>ACS Synthetic Biology</i> , 2020, 9, 2228-2238.	1.9	14
15	Modular remodeling of sterol metabolism for overproduction of 7-dehydrocholesterol in engineered yeast. <i>Bioresource Technology</i> , 2022, 360, 127572.	4.8	12
16	Engineering a ComA Quorum-Sensing circuit to dynamically control the production of Menaquinone-4 in <i>Bacillus subtilis</i> . <i>Enzyme and Microbial Technology</i> , 2021, 147, 109782.	1.6	7
17	Genetically Encoded Biosensors and Their Applications in the Development of Microbial Cell Factories. , 2020, , 53-73.		7
18	Combinatorial pathway engineering of <i>Bacillus subtilis</i> for production of structurally defined and homogeneous chitooligosaccharides. <i>Metabolic Engineering</i> , 2022, 70, 55-66.	3.6	7

#	ARTICLE	IF	CITATIONS
19	Model-based dynamic engineering of Escherichia coli for N-acetylglucosamine overproduction. <i>Biotechnology Notes</i> , 2022, 3, 15-24.	0.7	7
20	Enzyme assembly guided by SPFH-induced functional inclusion bodies for enhanced cascade biocatalysis. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1446-1457.	1.7	3
21	Systems and synthetic metabolic engineering for production of biochemicals. , 2020, , 207-235.		2
22	Construction of Microbial Cell Factories by Systems and Synthetic Biotechnology. , 2019, , 9-43.		1