

Jie Ren

List of Publications by Year in descending order

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14
papers

233
citations

933447

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1058476

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14
docs citations

14
times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	A Type I-F Anti-CRISPR Protein Inhibits the CRISPR-Cas Surveillance Complex by ADP-Ribosylation. <i>Molecular Cell</i> , 2020, 80, 512-524.e5.	9.7	33
2	An Aldolase-Catalyzed New Metabolic Pathway for the Assimilation of Formaldehyde and Methanol To Synthesize 2-Keto-4-hydroxybutyrate and 1,3-Propanediol in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 2483-2493.	3.8	27
3	Characterization and Engineering of a Clostridium Glycine Riboswitch and Its Use To Control a Novel Metabolic Pathway for 5-Aminolevulinic Acid Production in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 2327-2335.	3.8	25
4	Quantitative analysis of glycine related metabolic pathways for one-carbon synthetic biology. <i>Current Opinion in Biotechnology</i> , 2020, 64, 70-78.	6.6	25
5	An Unnatural Pathway for Efficient 5-Aminolevulinic Acid Biosynthesis with Glycine from Glyoxylate Based on Retrobiosynthetic Design. <i>ACS Synthetic Biology</i> , 2018, 7, 2750-2757.	3.8	22
6	An Aldolase-Based New Pathway for Bioconversion of Formaldehyde and Ethanol into 1,3-Propanediol in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 799-809.	3.8	18
7	Quantitative study of H protein lipoylation of the glycine cleavage system and a strategy to increase its activity by co-expression of LplA. <i>Journal of Biological Engineering</i> , 2019, 13, 32.	4.7	17
8	Structural insights into the mechanism and inhibition of transglutaminase-induced ubiquitination by the Legionella effector MavC. <i>Nature Communications</i> , 2020, 11, 1774.	12.8	15
9	Structure-based dynamic analysis of the glycine cleavage system suggests key residues for control of a key reaction step. <i>Communications Biology</i> , 2020, 3, 756.	4.4	13
10	Formaldehyde formation in the glycine cleavage system and its use for an aldolase-based biosynthesis of 1,3-propanediol. <i>Journal of Biological Engineering</i> , 2020, 14, 15.	4.7	12
11	Activation and competition of lipoylation of H protein and its hydrolysis in a reaction cascade catalyzed by the multifunctional enzyme lipoate-protein ligase A. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3677-3687.	3.3	8
12	Improving the Yield of Xenocoumacin 1 Enabled by In Situ Product Removal. <i>ACS Omega</i> , 2020, 5, 20391-20398.	3.5	8
13	Improving the Yield of Xenocoumacin 1 by PBAD Promoter Replacement in <i>Xenorhabdus nematophila</i> CB6. <i>Agriculture (Switzerland)</i> , 2021, 11, 1251.	3.1	6
14	Understanding and Engineering Glycine Cleavage System and Related Metabolic Pathways for C1-Based Biosynthesis. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2022, , 273-298.	1.1	4