Hai He

List of Publications by Year
in descending order

12	404	933447 10	1199594 12
papers	citations	h-index	g-index

15	15	15	381
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new-to-nature carboxylation module to improve natural and synthetic CO2 fixation. Nature Catalysis, 2021, 4, 105-115.	34.4	83
2	An â€œenergyâ€•auxotrophâ€•Escherichia coli provides an in vivo platform for assessing NADH regeneration systems. Biotechnology and Bioengineering, 2020, 117, 3422-3434.	3.3	20
3	Awakening a latent carbon fixation cycle in Escherichia coli. Nature Communications, 2020, 11, 5812.	12.8	64
4	An optimized methanol assimilation pathway relying on promiscuous formaldehyde-condensing aldolases in E. coli. Metabolic Engineering, 2020, 60, 1-13.	7.0	64
5	In Vivo Rate of Formaldehyde Condensation with Tetrahydrofolate. Metabolites, 2020, 10, 65.	2.9	16
6	Thioproline formation as a driver of formaldehyde toxicity in Escherichia coli. Biochemical Journal, 2020, 477, 1745-1757.	3.7	10
7	Underground isoleucine biosynthesis pathways in E. coli. ELife, 2020, 9, .	6.0	19
8	Synthetic Methanol and Formate Assimilation Via Modular Engineering and Selection Strategies. Current Issues in Molecular Biology, 2019, 33, 237-248.	2.4	15
9	NADPH-Auxotrophic E. coli: A Sensor Strain for Testing in Vivo Regeneration of NADPH. ACS Synthetic Biology, 2018, 7, 2742-2749.	3.8	30
10	Artificial pathway emergence in central metabolism from three recursive phosphoketolase reactions. FEBS Journal, 2018, 285, 4367-4377.	4.7	27
11	Ribulose Monophosphate Shunt Provides Nearly All Biomass and Energy Required for Growth of E.Âcoli. ACS Synthetic Biology, 2018, 7, 1601-1611.	3.8	49
12	Determination of Phosphorothioate Pesticides in Environmental Water by Molecularly Imprinted Matrix Solid-Phase Dispersion Coupled with Gas Chromatography and a Nitrogen Phosphorus Detector. Instrumentation Science and Technology, 2015, 43, 669-680.	1.8	6