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	Awakening a latent carbon fixation cycle in Escherichia coli. Nature Communications, 2020, 11, 5812.	12.8	64
3	An optimized methanol assimilation pathway relying on promiscuous formaldehyde-condensing aldolases in E. coli. Metabolic Engineering, 2020, 60, 1-13.	7.0	64
4	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
5	NADPH-Auxotrophic E. coli: A Sensor Strain for Testing in Vivo Regeneration of NADPH. ACS Synthetic Biology, 2018, 7, 2742-2749.	3.8	30
6	Artificial pathway emergence in central metabolism from three recursive phosphoketolase reactions. FEBS Journal, 2018, 285, 4367-4377.	4.7	27
7	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
8	Underground isoleucine biosynthesis pathways in E. coli. ELife, 2020, 9, .	6.0	19
9	In Vivo Rate of Formaldehyde Condensation with Tetrahydrofolate. Metabolites, 2020, 10, 65.	2.9	16
10	Synthetic Methanol and Formate Assimilation Via Modular Engineering and Selection Strategies. Current Issues in Molecular Biology, 2019, 33, 237-248.	2.4	15
11	Thioproline formation as a driver of formaldehyde toxicity in Escherichia coli. Biochemical Journal, 2020, 477, 1745-1757.	3.7	10
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