Laichuang Han

List of Publications by Year
in descending order

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15	319	1040056 9	996975 15
papers	citations	h-index	g-index

16	16	16	302
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Construction and Application of a High-Throughput In Vivo Screening Platform for the Evolution of Nitrile Metabolism-Related Enzymes Based on a Desensitized Repressive Biosensor. ACS Synthetic Biology, 2022, 11, 1577-1587.	3.8	7
2	Significant Improvement of Both Catalytic Efficiency and Stability of Fructosyltransferase from Aspergillus niger by Structure-Guided Engineering of Key Residues in the Conserved Sequence of the Catalytic Domain. Journal of Agricultural and Food Chemistry, 2022, 70, 7202-7210.	5.2	13
3	Data-Driven and in Silico-Assisted Design of Broad Host-Range Minimal Intrinsic Terminators Adapted for Bacteria. ACS Synthetic Biology, 2021, 10, 1438-1450.	3.8	14
4	Enhancement of Patchoulol Production in Escherichia coli via Multiple Engineering Strategies. Journal of Agricultural and Food Chemistry, 2021, 69, 7572-7580.	5.2	18
5	Development of a base editor for protein evolution via in situ mutation in vivo. Nucleic Acids Research, 2021, 49, 9594-9605.	14.5	18
6	Exploration of key residues and conformational change of antiâ€terminator protein <scp>GlpP</scp> for ligand and <scp>RNA</scp> binding. Proteins: Structure, Function and Bioinformatics, 2021, 89, 623-631.	2.6	2
7	Enzymatic Biosynthesis of <scp>l</scp>-2-Aminobutyric Acid by Glutamate Mutase Coupled with <scp>l</scp>-Aspartate-Î²-decarboxylase Using <scp>l</scp>-Glutamate as the Sole Substrate. ACS Catalysis, 2020, 10, 13913-13917.	11.2	8
8	Realization of Robust and Precise Regulation of Gene Expression by Multiple Sigma Recognizable Artificial Promoters. Frontiers in Bioengineering and Biotechnology, 2020, 8, 92.	4.1	10
9	Efficient Overproduction of Active Nitrile Hydratase by Coupling Expression Induction and Enzyme Maturation via Programming a Controllable Cobalt-Responsive Gene Circuit. Frontiers in Bioengineering and Biotechnology, 2020, 8, 193.	4.1	4
10	Surface engineering of a Pantoea agglomerans-derived phenylalanine aminomutase for the improvement of (S)-Î²-phenylalanine biosynthesis. Biochemical and Biophysical Research Communications, 2019, 518, 204-211.	2.1	4
11	Development of a novel strategy for robust synthetic bacterial promoters based on a stepwise evolution targeting the spacer region of the core promoter in Bacillus subtilis. Microbial Cell Factories, 2019, 18, 96.	4.0	33
12	Improvement of the acid resistance, catalytic efficiency, and thermostability of nattokinase by multisiteâ€directed mutagenesis. Biotechnology and Bioengineering, 2019, 116, 1833-1843.	3.3	31
13	Exploitation of Bacillus subtilis as a robust workhorse for production of heterologous proteins and beyond. World Journal of Microbiology and Biotechnology, 2018, 34, 145.	3.6	108
14	Stepwise modifications of genetic parts reinforce the secretory production of nattokinase in Bacillus subtilis. Microbial Biotechnology, 2018, 11, 930-942.	4.2	16
15	Engineering an inducible gene expression system for Bacillus subtilis from a strong constitutive promoter and a theophylline-activated synthetic riboswitch. Microbial Cell Factories, 2016, 15, 199.	4.0	33