

Laichuang Han

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

319
citations

1040056

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996975

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16
docs citations

16
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302
citing authors

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