

Huang Luqi

List of Publications by Citations

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29
papers

1,775
citations

17
h-index

33
g-index

33
ext. papers

2,364
ext. citations

7.9
avg, IF

4.27
L-index

#	Paper	IF	Citations
29	Modular pathway engineering of diterpenoid synthases and the mevalonic acid pathway for miltiradiene production. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3234-41	16.4	259
28	CYP76AH1 catalyzes turnover of miltiradiene in tanshinones biosynthesis and enables heterologous production of ferruginol in yeasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 12108-13	11.5	238
27	A functional genomics approach to tanshinone biosynthesis provides stereochemical insights. <i>Organic Letters</i> , 2009 , 11, 5170-3	6.2	191
26	Metabolic engineering of <i>Saccharomyces cerevisiae</i> for production of ginsenosides. <i>Metabolic Engineering</i> , 2013 , 20, 146-56	9.7	160
25	Combining metabolomics and transcriptomics to characterize tanshinone biosynthesis in <i>Salvia miltiorrhiza</i> . <i>BMC Genomics</i> , 2014 , 15, 73	4.5	131
24	Production of miltiradiene by metabolically engineered <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2012 , 109, 2845-53	4.9	110
23	Cytochrome P450 promiscuity leads to a bifurcating biosynthetic pathway for tanshinones. <i>New Phytologist</i> , 2016 , 210, 525-34	9.8	107
22	Targeted mutagenesis in the medicinal plant <i>Salvia miltiorrhiza</i> . <i>Scientific Reports</i> , 2017 , 7, 43320	4.9	91
21	Functional Divergence of Diterpene Synthases in the Medicinal Plant <i>Salvia miltiorrhiza</i> . <i>Plant Physiology</i> , 2015 , 169, 1607-18	6.6	84
20	Domain loss has independently occurred multiple times in plant terpene synthase evolution. <i>Plant Journal</i> , 2011 , 68, 1051-60	6.9	58
19	FAD-dependent enzyme-catalysed intermolecular [4+2] cycloaddition in natural product biosynthesis. <i>Nature Chemistry</i> , 2020 , 12, 620-628	17.6	47
18	RNA interference-mediated repression of SmCPS (copalylidiphosphate synthase) expression in hairy roots of <i>Salvia miltiorrhiza</i> causes a decrease of tanshinones and sheds light on the functional role of SmCPS. <i>Biotechnology Letters</i> , 2014 , 36, 363-9	3	44
17	Genome of <i>Tripterygium wilfordii</i> and identification of cytochrome P450 involved in triptolide biosynthesis. <i>Nature Communications</i> , 2020 , 11, 971	17.4	43
16	Identification and functional characterization of diterpene synthases for triptolide biosynthesis from <i>Tripterygium wilfordii</i> . <i>Plant Journal</i> , 2018 , 93, 50-65	6.9	36
15	Engineering chimeric diterpene synthases and isoprenoid biosynthetic pathways enables high-level production of miltiradiene in yeast. <i>Metabolic Engineering</i> , 2020 , 60, 87-96	9.7	30
14	Functional Diversification of Kaurene Synthase-Like Genes in. <i>Plant Physiology</i> , 2017 , 174, 943-955	6.6	23
13	Expansion within the CYP71D subfamily drives the heterocyclization of tanshinones synthesis in <i>Salvia miltiorrhiza</i> . <i>Nature Communications</i> , 2021 , 12, 685	17.4	23

12	Crystal structure of CYP76AH1 in 4-PI-bound state from <i>Salvia miltiorrhiza</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019 , 511, 813-819	3.4	17
11	CYP76B74 Catalyzes the 3 β -Hydroxylation of Geranylhydroquinone in Shikonin Biosynthesis. <i>Plant Physiology</i> , 2019 , 179, 402-414	6.6	15
10	Current state and future perspective of cardiovascular medicines derived from natural products. <i>Pharmacology & Therapeutics</i> , 2020 , 216, 107698	13.9	14
9	Functional characterization of NES and GES responsible for the biosynthesis of (E)-nerolidol and (E,E)-geranylinalool in <i>Tripterygium wilfordii</i> . <i>Scientific Reports</i> , 2017 , 7, 40851	4.9	11
8	Functional Integration of Two CYP450 Genes Involved in Biosynthesis of Tanshinones for Improved Diterpenoid Production by Synthetic Biology. <i>ACS Synthetic Biology</i> , 2020 , 9, 1763-1770	5.7	11
7	Melatonin functions in priming of stomatal immunity in <i>Panax notoginseng</i> and <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2021 , 187, 2837-2851	6.6	10
6	ImageGP: An easy-to-use data visualization web server for scientific researchers 2022 , 1,		10
5	Production of 3-geranyl-4-hydroxybenzoate acid in yeast, an important intermediate of shikonin biosynthesis pathway. <i>FEMS Yeast Research</i> , 2017 , 17,	3.1	7
4	Recent progress and new perspectives for diterpenoid biosynthesis in medicinal plants. <i>Medicinal Research Reviews</i> , 2021 , 41, 2971-2997	14.4	2
3	Functional characterization of (S)-N-methylcoclaurine 3 β -hydroxylase (NMCH) involved in the biosynthesis of benzylisoquinoline alkaloids in <i>Corydalis yanhusuo</i> . <i>Plant Physiology and Biochemistry</i> , 2021 , 168, 507-515	5.4	1
2	The ERF-VII transcription factor SmERF73 coordinately regulates tanshinone biosynthesis in response to stress elicitors in <i>Salvia miltiorrhiza</i> . <i>New Phytologist</i> , 2021 , 231, 1940-1955	9.8	1
1	Integrated Transcriptomics and Proteomics to Reveal Regulation Mechanism and Evolution of on Tanshinone Biosynthesis in and .. <i>Frontiers in Plant Science</i> , 2021 , 12, 820582	6.2	0