Guanghong Cui

List of Publications by Year
in descending order

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25 papers	1,650 citations	623734 14 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1311 citing authors

#	Article	IF	Citations
1	Analysis of the Genome Sequence of the Medicinal Plant Salvia miltiorrhiza. Molecular Plant, 2016, 9, 949-952.	8.3	255
2	A Functional Genomics Approach to Tanshinone Biosynthesis Provides Stereochemical Insights. Organic Letters, 2009, 11, 5170-5173.	4.6	250
3	Cytochrome P450 promiscuity leads to a bifurcating biosynthetic pathway for tanshinones. New Phytologist, 2016, 210, 525-534.	7.3	183
4	Combining metabolomics and transcriptomics to characterize tanshinone biosynthesis in Salvia miltiorrhiza. BMC Genomics, 2014, 15, 73.	2.8	165
5	Cloning and characterization of a novel 3-hydroxy-3-methylglutaryl coenzyme A reductase gene from Salvia miltiorrhiza involved in diterpenoid tanshinone accumulation. Journal of Plant Physiology, 2011, 168, 148-157.	3.5	127
6	Targeted mutagenesis in the medicinal plant Salvia miltiorrhiza. Scientific Reports, 2017, 7, 43320.	3.3	123
7	Functional divergence of diterpene syntheses in the medicinal plant Salvia miltiorrhiza Bunge. Plant Physiology, 2015, 169, pp.00695.2015.	4.8	118
8	Expansion within the CYP71D subfamily drives the heterocyclization of tanshinones synthesis in Salvia miltiorrhiza. Nature Communications, 2021, 12, 685.	12.8	94
9	Domain loss has independently occurred multiple times in plant terpene synthase evolution. Plant Journal, 2011, 68, 1051-1060.	5.7	64
10	Functional Diversification of Kaurene Synthase-Like Genes in Isodon rubescens. Plant Physiology, 2017, 174, 943-955.	4.8	42
11	Recent progress and new perspectives for diterpenoid biosynthesis in medicinal plants. Medicinal Research Reviews, 2021, 41, 2971-2997.	10.5	39
12	CYP76B74 Catalyzes the 3â€²â€²-Hydroxylation of Geranylhydroquinone in Shikonin Biosynthesis. Plant Physiology, 2019, 179, 402-414.	4.8	33
13	Functional Integration of Two CYP450 Genes Involved in Biosynthesis of Tanshinones for Improved Diterpenoid Production by Synthetic Biology. ACS Synthetic Biology, 2020, 9, 1763-1770.	3.8	27
14	The ERFâ€VII transcription factor SmERF73 coordinately regulates tanshinone biosynthesis in response to stress elicitors in Salvia miltiorrhiza. New Phytologist, 2021, 231, 1940-1955.	7.3	25
15	Molecular cloning and functional identification of a high-efficiency (+)-borneol dehydrogenase from Cinnamomum camphora (L.) Presl. Plant Physiology and Biochemistry, 2021, 158, 363-371.	5.8	17
16	Transcriptomic Insight into Terpenoid Biosynthesis and Functional Characterization of Three Diterpene Synthases in Scutellaria barbata. Molecules, 2018, 23, 2952.	3.8	13
17	Bornyl Diphosphate Synthase From Cinnamomum burmanni and Its Application for (+)-Borneol Biosynthesis in Yeast. Frontiers in Bioengineering and Biotechnology, 2021, 9, 631863.	4.1	13
18	Functional identification of the terpene synthase family involved in diterpenoid alkaloids biosynthesis in Aconitum carmichaelii. Acta Pharmaceutica Sinica B, 2021, 11, 3310-3321.	12.0	11

#	Article	IF	Citations
19	Characterization of O-methyltransferases involved in the biosynthesis of tetrandrine in Stephania tetrandra. Journal of Plant Physiology, 2020, 250, 153181.	3.5	10
20	Elucidation of the essential oil biosynthetic pathways in Cinnamomum burmannii through identification of six terpene synthases. Plant Science, 2022, 317, 111203.	3.6	10
21	An alternative splicing alters the product outcome of a class I terpene synthase in Isodon rubescens. Biochemical and Biophysical Research Communications, 2019, 512, 310-313.	2.1	8
22	Functional characterization of (S)â€“N-methylcoclaurine 3â€²-hydroxylase (NMCH) involved in the biosynthesis of benzylisoquinoline alkaloids in Corydalis yanhusuo. Plant Physiology and Biochemistry, 2021, 168, 507-515.	5.8	6
23	Identification of (-)-bornyl diphosphate synthase from Blumea balsamifera and its application for (-)-borneol biosynthesis in Saccharomyces cerevisiae. Synthetic and Systems Biotechnology, 2022, 7, 490-497.	3.7	6
24	Functional Characterization of a 2OGD Involved in Abietane-Type Diterpenoids Biosynthetic Pathway in Salvia miltiorrhiza. Frontiers in Plant Science, 0, 13, .	3.6	6
25	Diterpene synthases fromLeonurus japonicuselucidate epoxy-bridge formation of spiro-labdane diterpenoids. Plant Physiology, 2022, 189, 99-111.	4.8	5