

Guanghong Cui

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,650
citations

623188

14
h-index

610482

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 <i>Salvia miltiorrhiza</i> . <i>Molecular Plant</i> , 2016, 9, 949-952.	3.9	255
2	A Functional Genomics Approach to Tanshinone Biosynthesis Provides Stereochemical Insights. <i>Organic Letters</i> , 2009, 11, 5170-5173.	2.4	250
3	Cytochrome P450 promiscuity leads to a bifurcating biosynthetic pathway for tanshinones. <i>New Phytologist</i> , 2016, 210, 525-534.	3.5	183
4	Combining metabolomics and transcriptomics to characterize tanshinone biosynthesis in <i>Salvia miltiorrhiza</i> . <i>BMC Genomics</i> , 2014, 15, 73.	1.2	165
5	Cloning and characterization of a novel 3-hydroxy-3-methylglutaryl coenzyme A reductase gene from <i>Salvia miltiorrhiza</i> involved in diterpenoid tanshinone accumulation. <i>Journal of Plant Physiology</i> , 2011, 168, 148-157.	1.6	127
6	Targeted mutagenesis in the medicinal plant <i>Salvia miltiorrhiza</i> . <i>Scientific Reports</i> , 2017, 7, 43320.	1.6	123
7	Functional divergence of diterpene syntheses in the medicinal plant <i>Salvia miltiorrhiza</i> Bunge. <i>Plant Physiology</i> , 2015, 169, pp.00695.2015.	2.3	118
8	Expansion within the CYP71D subfamily drives the heterocyclization of tanshinones synthesis in <i>Salvia miltiorrhiza</i> . <i>Nature Communications</i> , 2021, 12, 685.	5.8	94
9	Domain loss has independently occurred multiple times in plant terpene synthase evolution. <i>Plant Journal</i> , 2011, 68, 1051-1060.	2.8	64
10	Functional Diversification of Kaurene Synthase-Like Genes in <i>Isodon rubescens</i> . <i>Plant Physiology</i> , 2017, 174, 943-955.	2.3	42
11	Recent progress and new perspectives for diterpenoid biosynthesis in medicinal plants. <i>Medicinal Research Reviews</i> , 2021, 41, 2971-2997.	5.0	39
12	CYP76B74 Catalyzes the 3- α -Hydroxylation of Geranylhydroquinone in Shikonin Biosynthesis. <i>Plant Physiology</i> , 2019, 179, 402-414.	2.3	33
13	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.	1.9	27
14	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.	3.5	25
15	Molecular cloning and functional identification of a high-efficiency (+)-borneol dehydrogenase from <i>Cinnamomum camphora</i> (L.) Presl. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 363-371.	2.8	17
16	Transcriptomic Insight into Terpenoid Biosynthesis and Functional Characterization of Three Diterpene Synthases in <i>Scutellaria barbata</i> . <i>Molecules</i> , 2018, 23, 2952.	1.7	13
17	Bornyl Diphosphate Synthase From <i>Cinnamomum burmanni</i> and Its Application for (+)-Borneol Biosynthesis in Yeast. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 631863.	2.0	13
18	Functional identification of the terpene synthase family involved in diterpenoid alkaloids biosynthesis in <i>Aconitum carmichaelii</i> . <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3310-3321.	5.7	11

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19	Characterization of O-methyltransferases involved in the biosynthesis of tetrandrine in <i>Stephania tetrandra</i> . <i>Journal of Plant Physiology</i> , 2020, 250, 153181.	1.6	10
20	Elucidation of the essential oil biosynthetic pathways in <i>Cinnamomum burmannii</i> through identification of six terpene synthases. <i>Plant Science</i> , 2022, 317, 111203.	1.7	10
21	An alternative splicing alters the product outcome of a class I terpene synthase in <i>Isodon rubescens</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 512, 310-313.	1.0	8
22	Functional characterization of (S)-N-methylcoclaurine 3-hydroxylase (NMCH) involved in the biosynthesis of benzyloquinoline alkaloids in <i>Corydalis yanhusuo</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 168, 507-515.	2.8	6
23	Identification of (-)-bornyl diphosphate synthase from <i>Blumea balsamifera</i> and its application for (-)-borneol biosynthesis in <i>Saccharomyces cerevisiae</i> . <i>Synthetic and Systems Biotechnology</i> , 2022, 7, 490-497.	1.8	6
24	Functional Characterization of a 2OGD Involved in Abietane-Type Diterpenoids Biosynthetic Pathway in <i>Salvia miltiorrhiza</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
25	Diterpene synthases from <i>Leonurus japonicus</i> elucidate epoxy-bridge formation of spiro-labdane diterpenoids. <i>Plant Physiology</i> , 2022, 189, 99-111.	2.3	5