

Guanghong Cui

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23
papers

1,034
citations

11
h-index

25
g-index

25
ext. papers

1,390
ext. citations

7.1
avg, IF

3.67
L-index

#	Paper	IF	Citations
23	A functional genomics approach to tanshinone biosynthesis provides stereochemical insights. <i>Organic Letters</i> , 2009 , 11, 5170-3	6.2	191
22	Analysis of the Genome Sequence of the Medicinal Plant <i>Salvia miltiorrhiza</i> . <i>Molecular Plant</i> , 2016 , 9, 949-52	14.4	173
21	Combining metabolomics and transcriptomics to characterize tanshinone biosynthesis in <i>Salvia miltiorrhiza</i> . <i>BMC Genomics</i> , 2014 , 15, 73	4.5	131
20	Cytochrome P450 promiscuity leads to a bifurcating biosynthetic pathway for tanshinones. <i>New Phytologist</i> , 2016 , 210, 525-34	9.8	107
19	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, 148-57	3.6	93
18	Targeted mutagenesis in the medicinal plant <i>Salvia miltiorrhiza</i> . <i>Scientific Reports</i> , 2017 , 7, 43320	4.9	91
17	Functional Divergence of Diterpene Syntheses in the Medicinal Plant <i>Salvia miltiorrhiza</i> . <i>Plant Physiology</i> , 2015 , 169, 1607-18	6.6	84
16	Domain loss has independently occurred multiple times in plant terpene synthase evolution. <i>Plant Journal</i> , 2011 , 68, 1051-60	6.9	58
15	Functional Diversification of Kaurene Synthase-Like Genes in. <i>Plant Physiology</i> , 2017 , 174, 943-955	6.6	23
14	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
13	CYP76B74 Catalyzes the 3 α -Hydroxylation of Geranylhydroquinone in Shikonin Biosynthesis. <i>Plant Physiology</i> , 2019 , 179, 402-414	6.6	15
12	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
11	Transcriptomic Insight into Terpenoid Biosynthesis and Functional Characterization of Three Diterpene Synthases in. <i>Molecules</i> , 2018 , 23,	4.8	9
10	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	5.4	5
9	Bornyl Diphosphate Synthase From and Its Application for (+)-Borneol Biosynthesis in Yeast. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 631863	5.8	5
8	Characterization of O-methyltransferases involved in the biosynthesis of tetrandrine in <i>Stephania tetrandra</i> . <i>Journal of Plant Physiology</i> , 2020 , 250, 153181	3.6	4
7	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	3.4	3

6	Functional identification of the terpene synthase family involved in diterpenoid alkaloids biosynthesis in. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 3310-3321	15.5	2
5	Recent progress and new perspectives for diterpenoid biosynthesis in medicinal plants. <i>Medicinal Research Reviews</i> , 2021 , 41, 2971-2997	14.4	2
4	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	5.3	1
3	Functional characterization of (S)-N-methylcoclaurine 3hydroxylase (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	Identification of (-)-bornyl diphosphate synthase from and its application for (-)-borneol biosynthesis in .. <i>Synthetic and Systems Biotechnology</i> , 2022 , 7, 490-497	4.2	0