Juan Guo

List of Publications by Year in descending order

31 papers	1,131 citations	686830 13 h-index	433756 31 g-index
34 all docs	34 docs citations	34 times ranked	841 citing authors

#	Article	IF	Citations
1	CYP76AH1 catalyzes turnover of miltiradiene in tanshinones biosynthesis and enables heterologous production of ferruginol in yeasts. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12108-12113.	3.3	326
2	Cytochrome P450 promiscuity leads to a bifurcating biosynthetic pathway for tanshinones. New Phytologist, 2016, 210, 525-534.	3.5	183
3	The Biosynthetic Pathways of Tanshinones and Phenolic Acids in Salvia miltiorrhiza. Molecules, 2015, 20, 16235-16254.	1.7	97
4	Expansion within the CYP71D subfamily drives the heterocyclization of tanshinones synthesis in Salvia miltiorrhiza. Nature Communications, 2021, 12, 685.	5.8	94
5	RNA interference targeting CYP76AH1 in hairy roots of Salvia miltiorrhiza reveals its key role in the biosynthetic pathway of tanshinones. Biochemical and Biophysical Research Communications, 2016, 477, 155-160.	1.0	44
6	Functional Diversification of Kaurene Synthase-Like Genes in Isodon rubescens. Plant Physiology, 2017, 174, 943-955.	2.3	42
7	Recent progress and new perspectives for diterpenoid biosynthesis in medicinal plants. Medicinal Research Reviews, 2021, 41, 2971-2997.	5.0	39
8	Crystal structure of CYP76AH1 in 4-PI-bound state from Salvia miltiorrhiza. Biochemical and Biophysical Research Communications, 2019, 511, 813-819.	1.0	28
9	A 2-oxoglutarate-dependent dioxygenase converts dihydrofuran to furan in Salvia diterpenoids. Plant Physiology, 2022, 188, 1496-1506.	2.3	28
10	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.	1.9	27
11	The ERFâ€VII transcription factor SmERF73 coordinately regulates tanshinone biosynthesis in response to stress elicitors in Salvia miltiorrhiza. New Phytologist, 2021, 231, 1940-1955.	3.5	25
12	Glucosyltransferase Capable of Catalyzing the Last Step in Neoandrographolide Biosynthesis. Organic Letters, 2018, 20, 5999-6002.	2.4	20
13	Metabolome and transcriptome analyses reveal quality change in the orange-rooted Salvia miltiorrhiza (Danshen) from cultivated field. Chinese Medicine, 2019, 14, 42.	1.6	18
14	Molecular cloning and functional identification of a high-efficiency (+)-borneol dehydrogenase from Cinnamomum camphora (L.) Presl. Plant Physiology and Biochemistry, 2021, 158, 363-371.	2.8	17
15	Yeast synthetic biology for high-value metabolites. FEMS Yeast Research, 2014, 15, n/a-n/a.	1.1	15
16	Transcriptomic Insight into Terpenoid Biosynthesis and Functional Characterization of Three Diterpene Synthases in Scutellaria barbata. Molecules, 2018, 23, 2952.	1.7	13
17	Bornyl Diphosphate Synthase From Cinnamomum burmanni and Its Application for (+)-Borneol Biosynthesis in Yeast. Frontiers in Bioengineering and Biotechnology, 2021, 9, 631863.	2.0	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.	5.7	11

#	Article	IF	Citations
19	Functional Analysis of the Isopentenyl Diphosphate Isomerase of Salvia miltiorrhiza via Color Complementation and RNA Interference. Molecules, 2015, 20, 20206-20218.	1.7	10
20	Characterization of O-methyltransferases involved in the biosynthesis of tetrandrine in Stephania tetrandra. Journal of Plant Physiology, 2020, 250, 153181.	1.6	10
21	Elucidation of the essential oil biosynthetic pathways in Cinnamomum burmannii through identification of six terpene synthases. Plant Science, 2022, 317, 111203.	1.7	10
22	Integrated Transcriptomics and Proteomics to Reveal Regulation Mechanism and Evolution of SmWRKY61 on Tanshinone Biosynthesis in Salvia miltiorrhiza and Salvia castanea. Frontiers in Plant Science, 2021, 12, 820582.	1.7	9
23	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.	1.0	8
24	Functional characterization and structural bases of two class I diterpene synthases in pimarane-type diterpene biosynthesis. Communications Chemistry, 2021, 4, .	2.0	6
25	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.	2.8	6
26	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.	1.8	6
27	Functional Characterization of a 2OGD Involved in Abietane-Type Diterpenoids Biosynthetic Pathway in Salvia miltiorrhiza. Frontiers in Plant Science, 0, 13, .	1.7	6
28	An integrated strategy to identify genes responsible for sesquiterpene biosynthesis in turmeric. Plant Molecular Biology, 2019, 101, 221-234.	2.0	5
29	Diterpene synthases from<i>Leonurus japonicus</i>elucidate epoxy-bridge formation of spiro-labdane diterpenoids. Plant Physiology, 2022, 189, 99-111.	2.3	5
30	Biosynthetic Pathway of Tanshinones in Salvia miltiorrhiza. Compendium of Plant Genomes, 2019, , 129-139.	0.3	3
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