Juan Guo

List of Publications by Year in Descending Order

27 papers	603 citations	10 h-index	24 g-index
34 ext. papers	885 ext. citations	6 avg, IF	3.31 L-index

#	Paper	IF	Citations
27	Elucidation of the essential oil biosynthetic pathways in Cinnamomum burmannii through identification of six terpene synthases.. *Plant Science*, **2022**, 317, 111203	5.3	1
26	Identification of (-)-bornyl diphosphate synthase from and its application for (-)-borneol biosynthesis in .. *Synthetic and Systems Biotechnology*, **2022**, 7, 490-497	4.2	0
25	A 2-oxoglutarate dependent dioxygenase converts dihydrofuran to furan in Salvia diterpenoids. *Plant Physiology*, **2021**,	6.6	5
24	Functional characterization of (S)-N-methylcoclaurine 3ahydroxylase (NMCH) involved in the biosynthesis of benzylisoquinoline alkaloids in Corydalis yanhusuo. *Plant Physiology and Biochemistry*, **2021**, 168, 507-515	5.4	1
23	Functional identification of the terpene synthase family involved in diterpenoid alkaloids biosynthesis in. *Acta Pharmaceutica Sinica B*, **2021**, 11, 3310-3321	15.5	2
22	Recent progress and new perspectives for diterpenoid biosynthesis in medicinal plants. *Medicinal Research Reviews*, **2021**, 41, 2971-2997	14.4	2
21	The ERF-VII transcription factor SmERF73 coordinately regulates tanshinone biosynthesis in response to stress elicitors in Salvia miltiorrhiza. *New Phytologist*, **2021**, 231, 1940-1955	9.8	1
20	Molecular cloning and functional identification of a high-efficiency (+)-borneol dehydrogenase from Cinnamomum camphora (L.) Presl. *Plant Physiology and Biochemistry*, **2021**, 158, 363-371	5.4	5
19	Bornyl Diphosphate Synthase From and Its Application for (+)-Borneol Biosynthesis in Yeast. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 631863	5.8	5
18	Expansion within the CYP71D subfamily drives the heterocyclization of tanshinones synthesis in Salvia miltiorrhiza. *Nature Communications*, **2021**, 12, 685	17.4	23
17	Integrated Transcriptomics and Proteomics to Reveal Regulation Mechanism and Evolution of on Tanshinone Biosynthesis in and .. *Frontiers in Plant Science*, **2021**, 12, 820582	6.2	0
16	Characterization of O-methyltransferases involved in the biosynthesis of tetrandrine in Stephania tetrandra. *Journal of Plant Physiology*, **2020**, 250, 153181	3.6	4
15	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	5.7	11
14	Metabolome and transcriptome analyses reveal quality change in the orange-rooted (Danshen) from cultivated field. *Chinese Medicine*, **2019**, 14, 42	4.7	13
13	An integrated strategy to identify genes responsible for sesquiterpene biosynthesis in turmeric. *Plant Molecular Biology*, **2019**, 101, 221-234	4.6	3
12	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	3.4	3
11	Biosynthetic Pathway of Tanshinones in Salvia miltiorrhiza. *Compendium of Plant Genomes*, **2019**, 129-139	0.8	1

List of Publications

10	Crystal structure of CYP76AH1 in 4-PI-bound state from Salvia miltiorrhiza. *Biochemical and Biophysical Research Communications*, **2019**, 511, 813-819	3.4	17
9	Transcriptomic Insight into Terpenoid Biosynthesis and Functional Characterization of Three Diterpene Synthases in. *Molecules*, **2018**, 23,	4.8	9
8	Glucosyltransferase Capable of Catalyzing the Last Step in Neoandrographolide Biosynthesis. *Organic Letters*, **2018**, 20, 5999-6002	6.2	12
7	Functional Diversification of Kaurene Synthase-Like Genes in. *Plant Physiology*, **2017**, 174, 943-955	6.6	23
6	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, 155-60	3.4	34
5	Cytochrome P450 promiscuity leads to a bifurcating biosynthetic pathway for tanshinones. *New Phytologist*, **2016**, 210, 525-34	9.8	107
4	Yeast synthetic biology for high-value metabolites. *FEMS Yeast Research*, **2015**, 15, 1-11	3.1	8
3	The Biosynthetic Pathways of Tanshinones and Phenolic Acids in Salvia miltiorrhiza. *Molecules*, **2015**, 20, 16235-54	4.8	60
2	Functional Analysis of the Isopentenyl Diphosphate Isomerase of Salvia miltiorrhiza via Color Complementation and RNA Interference. *Molecules*, **2015**, 20, 20206-18	4.8	7
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, 12108-13	11.5	238