Fangyuan Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

30 papers	1,597 citations	430874 18 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	1196 citing authors

#	Article	IF	Citations
1	<scp>A</scp>a<scp>ORA</scp>, a trichomeâ€specific <scp>AP</scp>2/<scp>ERF</scp> transcription factor of <scp>A</scp>rtemisia annua, is a positive regulator in the artemisinin biosynthetic pathway and in disease resistance to <scp>B</scp>otrytis cinerea. New Phytologist, 2013, 198, 1191-1202.	7.3	255
2	The jasmonateâ€responsive Aa<scp>MYC</scp>2 transcription factor positively regulates artemisinin biosynthesis in Artemisia annua. New Phytologist, 2016, 210, 1269-1281.	7.3	230
3	The Genome of Artemisia annua Provides Insight into the Evolution of Asteraceae Family and Artemisinin Biosynthesis. Molecular Plant, 2018, 11, 776-788.	8.3	205
4	A Basic Leucine Zipper Transcription Factor, AabZIP1, Connects Abscisic Acid Signaling with Artemisinin Biosynthesis in Artemisia annua. Molecular Plant, 2015, 8, 163-175.	8.3	198
5	Overexpression of a Novel NAC Domain-Containing Transcription Factor Gene (AaNAC1) Enhances the Content of Artemisinin and Increases Tolerance to Drought andBotrytis cinereainArtemisia annua. Plant and Cell Physiology, 2016, 57, 1961-1971.	3.1	95
6	Branch Pathway Blocking inArtemisia annuais a Useful Method for Obtaining High Yield Artemisinin. Plant and Cell Physiology, 2016, 57, 588-602.	3.1	70
7	Overexpression of the Artemisia Orthologue of ABA Receptor, AaPYL9, Enhances ABA Sensitivity and Improves Artemisinin Content in Artemisia annua L. PLoS ONE, 2013, 8, e56697.	2.5	61
8	The cold-induced transcription factor bHLH112 promotes artemisinin biosynthesis indirectly via ERF1 in Artemisia annua. Journal of Experimental Botany, 2019, 70, 4835-4848.	4.8	47
9	Interaction of bZIP transcription factor TGA6 with salicylic acid signaling modulates artemisinin biosynthesis in Artemisia annua. Journal of Experimental Botany, 2019, 70, 3969-3979.	4.8	46
10	ARTEMISININ BIOSYNTHESIS PROMOTING KINASE 1 positively regulates artemisinin biosynthesis through phosphorylating AabZIP1. Journal of Experimental Botany, 2018, 69, 1109-1123.	4.8	40
11	Molecular Cloning and Characterization of a Trichome-Specific Promoter of Artemisinic Aldehyde Î”11(13) Reductase (DBR2) in Artemisia annua. Plant Molecular Biology Reporter, 2014, 32, 82-91.	1.8	35
12	The stacked over-expression of FPS, CYP71AV1 and CPR genes leads to the increase of artemisinin level in Artemisia annua L.. Plant Biotechnology Reports, 2013, 7, 287-295.	1.5	34
13	Overexpression of Allene Oxide Cyclase Improves the Biosynthesis of Artemisinin in Artemisia annua L.. PLoS ONE, 2014, 9, e91741.	2.5	27
14	Genome-wide inference of protein interaction network and its application to the study of crosstalk in Arabidopsis abscisic acid signaling. Plant Physiology, 2016, 171, pp.00057.2016.	4.8	27
15	Comparison of two hyoscyamine 6Î²-hydroxylases in engineering scopolamine biosynthesis in root cultures of Scopolia lurida. Biochemical and Biophysical Research Communications, 2018, 497, 25-31.	2.1	27
16	Molecular Characterization of the 1-Deoxy-D-Xylulose 5-Phosphate Synthase Gene Family in Artemisia annua. Frontiers in Plant Science, 2018, 9, 952.	3.6	27
17	Identification of Putative Artemisia annua ABCG Transporter Unigenes Related to Artemisinin Yield Following Expression Analysis in Different Plant Tissues and in Response to Methyl Jasmonate and Abscisic Acid Treatments. Plant Molecular Biology Reporter, 2012, 30, 838-847.	1.8	20
18	Characterization of the Promoter of Artemisia annua Amorpha-4,11-diene Synthase (ADS) Gene Using Homologous and Heterologous Expression as well as Deletion Analysis. Plant Molecular Biology Reporter, 2014, 32, 406-418.	1.8	20

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19	Effect of Thermal Processing on Carotenoids and Folate Changes in Six Varieties of Sweet Potato (Ipomoes batata L.). Foods, 2019, 8, 215.	4.3	18
20	Metabolic characterization of Hyoscyamus niger root-specific putrescine N-methyltransferase. Plant Physiology and Biochemistry, 2018, 127, 47-54.	5.8	17
21	Molecular insights into AabZIP1-mediated regulation on artemisinin biosynthesis and drought tolerance in Artemisia annua. Acta Pharmaceutica Sinica B, 2022, 12, 1500-1513.	12.0	17
22	Effect of Steaming Processing on Phenolic Profiles and Cellular Antioxidant Activities of Castanea mollissima. Molecules, 2019, 24, 703.	3.8	16
23	Characterization of the Jasmonate Biosynthetic Gene Allene Oxide Cyclase in Artemisia annua L., Source of the Antimalarial Drug Artemisinin. Plant Molecular Biology Reporter, 2011, 29, 489-497.	1.8	14
24	Type 2C Phosphatase 1 ofArtemisia annuaL. Is a Negative Regulator of ABA Signaling. BioMed Research International, 2014, 2014, 1-9.	1.9	14
25	Metabolic Characterization of Hyoscyamus niger Ornithine Decarboxylase. Frontiers in Plant Science, 2019, 10, 229.	3.6	10
26	Engineering Nootkatone Biosynthesis in Artemisia annua. ACS Synthetic Biology, 2021, 10, 957-963.	3.8	9
27	Molecular cloning and characterization of the promoter of aldehyde dehydrogenase gene from Artemisia annua. Biotechnology and Applied Biochemistry, 2017, 64, 902-910.	3.1	5
28	The Artemisia annua FLOWERING LOCUS T Homolog 2, AaFT2, is a key regulator of flowering time. Plant Physiology and Biochemistry, 2018, 126, 197-205.	5.8	5
29	AaPP2C1 negatively regulates the expression of genes involved in artemisinin biosynthesis through dephosphorylating AaAPK1. FEBS Letters, 2019, 593, 743-750.	2.8	5
30	High-Level Patchoulol Biosynthesis in Artemisia annua L.. Frontiers in Bioengineering and Biotechnology, 2020, 8, 621127.	4.1	3