Tianyuan Hu

List of Publications by Year in Descending Order

22 papers	273 citations	10 h-index	16 g-index
26 ext. papers	432 ext. citations	7 avg, IF	3.05 L-index

#	Paper	IF	Citations
22	Functional characterization of key polyketide synthases by integrated metabolome and transcriptome analysis on curcuminoid biosynthesis in .. *Synthetic and Systems Biotechnology*, **2022**, 7, 849-861	4.2	1
21	Identification and Analysis of Gene Family for Discovering Potential Regulators Responding to Abiotic Stresses in .. *Frontiers in Genetics*, **2022**, 13, 894928	4.5	
20	The chromosome-level reference genome assembly for and insights into ginsenoside biosynthesis. *Plant Communications*, **2021**, 2, 100113	9	20
19	Functional characterization and substrate promiscuity of sesquiterpene synthases from Tripterygium wilfordii. *International Journal of Biological Macromolecules*, **2021**, 185, 949-958	7.9	0
18	Cytochrome P450 catalyses the 29-carboxyl group formation of celastrol. *Phytochemistry*, **2021**, 190, 112868	4	3
17	Genome of Tripterygium wilfordii and identification of cytochrome P450 involved in triptolide biosynthesis. *Nature Communications*, **2020**, 11, 971	17.4	43
16	Engineering chimeric diterpene synthases and isoprenoid biosynthetic pathways enables high-level production of miltiradiene in yeast. *Metabolic Engineering*, **2020**, 60, 87-96	9.7	30
15	Identification and functional characterization of squalene epoxidases and oxidosqualene cyclases from Tripterygium wilfordii. *Plant Cell Reports*, **2020**, 39, 409-418	5.1	9
14	The expression of TwDXS in the MEP pathway specifically affects the accumulation of triptolide. *Physiologia Plantarum*, **2020**, 169, 40-48	4.6	8
13	Analysis of the role of geranylgeranyl diphosphate synthase 8 from Tripterygium wilfordii in diterpenoids biosynthesis. *Plant Science*, **2019**, 285, 184-192	5.3	8
12	Friedelane-type triterpene cyclase in celastrol biosynthesis from Tripterygium wilfordii and its application for triterpenes biosynthesis in yeast. *New Phytologist*, **2019**, 223, 722-735	9.8	28
11	The gibberellin 13-oxidase that specifically converts gibberellin A to A in Tripterygium wilfordii is a 2-oxoglutarate-dependent dioxygenase. *Planta*, **2019**, 250, 1613-1620	4.7	7
10	A novel strategy to enhance terpenoids production using cambial meristematic cells of Hook. f. *Plant Methods*, **2019**, 15, 129	5.8	10
9	Probing the function of protein farnesyltransferase in Tripterygium wilfordii. *Plant Cell Reports*, **2019**, 38, 211-220	5.1	
8	Overexpression and RNA interference of TwDXR regulate the accumulation of terpenoid active ingredients in Tripterygium wilfordii. *Biotechnology Letters*, **2018**, 40, 419-425	3	12
7	Identification and functional characterization of diterpene synthases for triptolide biosynthesis from Tripterygium wilfordii. *Plant Journal*, **2018**, 93, 50-65	6.9	36
6	Functional characterization of squalene epoxidase genes in the medicinal plant Tripterygium wilfordii. *International Journal of Biological Macromolecules*, **2018**, 120, 203-212	7.9	12

List of Publications

5	PECAM/eGFP transgenic mice for monitoring of angiogenesis in health and disease. *Scientific Reports*, **2018**, 8, 17582	4.9	4
4	Overexpression and RNAi-mediated downregulation of TwIDI regulates triptolide and celastrol accumulation in Tripterygium wilfordii. *Gene*, **2018**, 679, 195-201	3.8	7
3	Functional characterization of NES and GES responsible for the biosynthesis of (E)-nerolidol and (E,E)-geranyllinalool in Tripterygium wilfordii. *Scientific Reports*, **2017**, 7, 40851	4.9	11
2	Molecular cloning and functional identification of sterol C24-methyltransferase gene from. *Acta Pharmaceutica Sinica B*, **2017**, 7, 603-609	15.5	9
1	Probing the Single Key Amino Acid Responsible for the Novel Catalytic Function of -Kaurene Oxidase Supported by NADPH-Cytochrome P450 Reductases in. *Frontiers in Plant Science*, **2017**, 8, 1756	6.2	14