Yifeng Zhang

List of Publications by Year
in descending order

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25 papers	631 citations	758635 12 h-index	610482 24 g-index
28 all docs	28 docs citations	28 times ranked	516 citing authors

#	Article	IF	Citations
1	Genome of Tripterygium wilfordii and identification of cytochrome P450 involved in triptolide biosynthesis. Nature Communications, 2020, 11, 971.	5.8	103
2	Friedelaneâ€type triterpene cyclase in celastrol biosynthesis from Tripterygium wilfordii and its application for triterpenes biosynthesis in yeast. New Phytologist, 2019, 223, 722-735.	3.5	80
3	Engineering chimeric diterpene synthases and isoprenoid biosynthetic pathways enables high-level production of miltiradiene in yeast. Metabolic Engineering, 2020, 60, 87-96.	3.6	72
4	Triptolide: pharmacological spectrum, biosynthesis, chemical synthesis and derivatives. Theranostics, 2021, 11, 7199-7221.	4.6	57
5	The chromosome-level reference genome assembly for Panax notoginseng and insights into ginsenoside biosynthesis. Plant Communications, 2021, 2, 100113.	3.6	54
6	Identification and functional characterization of diterpene synthases for triptolide biosynthesis from Tripterygium wilfordii. Plant Journal, 2018, 93, 50-65.	2.8	52
7	Genetic Transformation System for Woody Plant Tripterygium wilfordii and Its Application to Product Natural Celastrol. Frontiers in Plant Science, 2017, 8, 2221.	1.7	25
8	Probing the Single Key Amino Acid Responsible for the Novel Catalytic Function of ent-Kaurene Oxidase Supported by NADPH-Cytochrome P450 Reductases in Tripterygium wilfordii. Frontiers in Plant Science, 2017, 8, 1756.	1.7	21
9	Functional characterization of squalene epoxidase genes in the medicinal plant Tripterygium wilfordii. International Journal of Biological Macromolecules, 2018, 120, 203-212.	3.6	20
10	A novel strategy to enhance terpenoids production using cambial meristematic cells of Tripterygium wilfordii Hook. f.. Plant Methods, 2019, 15, 129.	1.9	18
11	Overexpression and RNA interference of TwDXR regulate the accumulation of terpenoid active ingredients in Tripterygium wilfordii. Biotechnology Letters, 2018, 40, 419-425.	1.1	16
12	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.	1.6	14
13	The expression of TwDXS in the MEP pathway specifically affects the accumulation of triptolide. Physiologia Plantarum, 2020, 169, 40-48.	2.6	13
14	Molecular cloning and functional identification of sterol C24-methyltransferase gene from Tripterygium wilfordii. Acta Pharmaceutica Sinica B, 2017, 7, 603-609.	5.7	11
15	The gibberellin 13-oxidase that specifically converts gibberellin A9 to A20 in Tripterygium wilfordii is a 2-oxoglutarate-dependent dioxygenase. Planta, 2019, 250, 1613-1620.	1.6	11
16	Analysis of the role of geranylgeranyl diphosphate synthase 8 from Tripterygium wilfordii in diterpenoids biosynthesis. Plant Science, 2019, 285, 184-192.	1.7	10
17	Overexpression and RNAi-mediated downregulation of TwIDI regulates triptolide and celastrol accumulation in Tripterygium wilfordii. Gene, 2018, 679, 195-201.	1.0	9
18	Key Glycosyltransferase Genes of Panax notoginseng: Identification and Engineering Yeast Construction of Rare Ginsenosides. ACS Synthetic Biology, 2022, 11, 2394-2404.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Cytochrome P450 catalyses the 29-carboxyl group formation of celastrol. Phytochemistry, 2021, 190, 112868.	1.4	8
20	A cytochrome P450 CYP81AM1 from Tripterygium wilfordii catalyses the C-15 hydroxylation of dehydroabietic acid. Planta, 2021, 254, 95.	1.6	8
21	Cytochrome P450s in plant terpenoid biosynthesis: discovery, characterization and metabolic engineering. Critical Reviews in Biotechnology, 2023, 43, 1-21.	5.1	8
22	Investigating the Catalytic Activity of Glycosyltransferase on Quercetin from Tripterygium wilfordii. ACS Omega, 2020, 5, 1414-1421.	1.6	5
23	Mechanistic analysis for the origin of diverse diterpenes in Tripterygium wilfordii. Acta Pharmaceutica Sinica B, 2022, 12, 2923-2933.	5.7	4
24	Overexpression of TwSQS, TwSE, and TwOSC Regulates Celastrol Accumulation in Cambial Meristematic Cells and Dedifferentiated Cells. Frontiers in Plant Science, 0, 13, .	1.7	1
25	Probing the function of protein farnesyltransferase in Tripterygium wilfordii. Plant Cell Reports, 2019, 38, 211-220.	2.8	0