

Lichan Tu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Genome of <i>Tripterygium wilfordii</i> and identification of cytochrome P450 involved in triptolide biosynthesis. <i>Nature Communications</i> , 2020, 11, 971.	12.8	103
2	Friedelane-type triterpene cyclase in celastrol biosynthesis from <i>Tripterygium wilfordii</i> and its application for triterpenes biosynthesis in yeast. <i>New Phytologist</i> , 2019, 223, 722-735.	7.3	80
3	Engineering chimeric diterpene synthases and isoprenoid biosynthetic pathways enables high-level production of mitratriene in yeast. <i>Metabolic Engineering</i> , 2020, 60, 87-96.	7.0	72
4	The chromosome-level reference genome assembly for <i>Panax notoginseng</i> and insights into ginsenoside biosynthesis. <i>Plant Communications</i> , 2021, 2, 100113.	7.7	54
5	Probing the Single Key Amino Acid Responsible for the Novel Catalytic Function of ent-Kaurene Oxidase Supported by NADPH-Cytochrome P450 Reductases in <i>Tripterygium wilfordii</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1756.	3.6	21
6	Identification and functional characterization of squalene epoxidases and oxidosqualene cyclases from <i>Tripterygium wilfordii</i> . <i>Plant Cell Reports</i> , 2020, 39, 409-418.	5.6	20
7	A novel strategy to enhance terpenoids production using cambial meristematic cells of <i>Tripterygium wilfordii</i> Hook. f.. <i>Plant Methods</i> , 2019, 15, 129.	4.3	18
8	Analysis of the role of geranylgeranyl diphosphate synthase 8 from <i>Tripterygium wilfordii</i> in diterpenoids biosynthesis. <i>Plant Science</i> , 2019, 285, 184-192.	3.6	10
9	Probing the functions of friedelane-type triterpene cyclases from four celastrol-producing plants. <i>Plant Journal</i> , 2022, 109, 555-567.	5.7	10
10	Cytochrome P450 catalyses the 29-carboxyl group formation of celastrol. <i>Phytochemistry</i> , 2021, 190, 112868.	2.9	8
11	A cytochrome P450 CYP81AM1 from <i>Tripterygium wilfordii</i> catalyses the C-15 hydroxylation of dehydroabietic acid. <i>Planta</i> , 2021, 254, 95.	3.2	8
12	Mechanistic analysis for the origin of diverse diterpenes in <i>Tripterygium wilfordii</i> . <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2923-2933.	12.0	4
13	Functional characterization and substrate promiscuity of sesquiterpene synthases from <i>Tripterygium wilfordii</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 185, 949-958.	7.5	3
14	Probing the function of protein farnesyltransferase in <i>Tripterygium wilfordii</i> . <i>Plant Cell Reports</i> , 2019, 38, 211-220.	5.6	0