Yun Lu

List of Publications by Year
in descending order

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23 papers	494 citations	933447 10 h-index	713466 21 g-index
27 all docs	27 docs citations	27 times ranked	510 citing authors

#	Article	IF	Citations
1	Genome of Tripterygium wilfordii and identification of cytochrome P450 involved in triptolide biosynthesis. Nature Communications, 2020, 11, 971.	12.8	103
2	Engineering chimeric diterpene synthases and isoprenoid biosynthetic pathways enables high-level production of miltiradiene in yeast. Metabolic Engineering, 2020, 60, 87-96.	7.0	72
3	The chromosome-level reference genome assembly for Panax notoginseng and insights into ginsenoside biosynthesis. Plant Communications, 2021, 2, 100113.	7.7	54
4	Dynamic Alterations in the Gut Microbiota of Collagen-Induced Arthritis Rats Following the Prolonged Administration of Total Glucosides of Paeony. Frontiers in Cellular and Infection Microbiology, 2019, 9, 204.	3.9	44
5	Biosynthesis, total synthesis, structural modifications, bioactivity, and mechanism of action of the quinoneâ€methide triterpenoid celastrol. Medicinal Research Reviews, 2021, 41, 1022-1060.	10.5	40
6	Fibroblast growth factor 21 as a possible endogenous factor inhibits apoptosis in cardiac endothelial cells. Chinese Medical Journal, 2010, 123, 3417-21.	2.3	27
7	Identification and functional characterization of squalene epoxidases and oxidosqualene cyclases from Tripterygium wilfordii. Plant Cell Reports, 2020, 39, 409-418.	5.6	20
8	Enhanced white matter reorganization and activated brain glucose metabolism by enriched environment following ischemic stroke: Micro PET/CT and MRI study. Neuropharmacology, 2020, 176, 108202.	4.1	20
9	Metabolic Engineering of Saccharomyces cerevisiae for High-Level Friedelin via Genetic Manipulation. Frontiers in Bioengineering and Biotechnology, 2022, 10, 805429.	4.1	12
10	A multifunctional oxidosqualene cyclase from Tripterygium regelii that produces both Î±- and Î²-amyrin. RSC Advances, 2018, 8, 23516-23521.	3.6	10
11	Probing the functions of friedelaneâ€type triterpene cyclases from four celastrolâ€producing plants. Plant Journal, 2022, 109, 555-567.	5.7	10
12	The Impact of Ischemic Stroke on Gray and White Matter Injury Correlated With Motor and Cognitive Impairments in Permanent MCAO Rats: A Multimodal MRI-Based Study. Frontiers in Neurology, 2022, 13, 834329.	2.4	10
13	Overexpression and RNAi-mediated downregulation of TwIDI regulates triptolide and celastrol accumulation in Tripterygium wilfordii. Gene, 2018, 679, 195-201.	2.2	9
14	A specific UDP-glucosyltransferase catalyzes the formation of triptophenolide glucoside from Tripterygium wilfordii Hook. f.. Phytochemistry, 2019, 166, 112062.	2.9	9
15	Key Glycosyltransferase Genes of Panax notoginseng: Identification and Engineering Yeast Construction of Rare Ginsenosides. ACS Synthetic Biology, 2022, 11, 2394-2404.	3.8	9
16	Cytochrome P450 catalyses the 29-carboxyl group formation of celastrol. Phytochemistry, 2021, 190, 112868.	2.9	8
17	A cytochrome P450 CYP81AM1 from Tripterygium wilfordii catalyses the C-15 hydroxylation of dehydroabietic acid. Planta, 2021, 254, 95.	3.2	8
18	Trillium tschonoskii rhizomes' saponins induces oligodendrogenesis and axonal reorganization for ischemic stroke recovery in rats. Journal of Ethnopharmacology, 2021, 279, 114358.	4.1	5

#	Article	IF	Citations
19	Investigating the Catalytic Activity of Glycosyltransferase on Quercetin from Tripterygium wilfordii. ACS Omega, 2020, 5, 1414-1421.	3.5	5
20	Mechanistic analysis for the origin of diverse diterpenes in Tripterygium wilfordii. Acta Pharmaceutica Sinica B, 2022, 12, 2923-2933.	12.0	4
21	Effect of Neurorepair for Motor Functional Recovery Enhanced by Total Saponins From Trillium tschonoskii Maxim. Treatment in a Rat Model of Focal Ischemia. Frontiers in Pharmacology, 2021, 12, 763181.	3.5	4
22	Isolation and characterization of a glycosyltransferase with specific catalytic activity towards flavonoids from Tripterygium wilfordii. Journal of Asian Natural Products Research, 2020, 22, 537-546.	1.4	2
23	Magnetic Resonance Imaging Investigation of Neuroplasticity After Ischemic Stroke in Tetramethylpyrazine-Treated Rats. Frontiers in Pharmacology, 2022, 13, 851746.	3.5	2