

Dake Zhao

List of Publications by Year in descending order

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33
papers

1,273
citations

471371

17
h-index

395590

33
g-index

34
all docs

34
docs citations

34
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	Melatonin Synthesis and Function: Evolutionary History in Animals and Plants. <i>Frontiers in Endocrinology</i> , 2019, 10, 249.	1.5	402
2	The Role of Phyto-Melatonin and Related Metabolites in Response to Stress. <i>Molecules</i> , 2018, 23, 1887.	1.7	103
3	Phytomelatonin: An Emerging Regulator of Plant Biotic Stress Resistance. <i>Trends in Plant Science</i> , 2021, 26, 70-82.	4.3	103
4	Structural diversity, bioactivities, and biosynthesis of natural diterpenoid alkaloids. <i>Natural Product Reports</i> , 2020, 37, 763-796.	5.2	85
5	Melatonin inhibits seed germination by crosstalk with abscisic acid, gibberellin, and auxin in <i>Arabidopsis</i> . <i>Journal of Pineal Research</i> , 2021, 70, e12736.	3.4	61
6	Overexpression of the Melatonin Synthesis-Related Gene SICOMT1 Improves the Resistance of Tomato to Salt Stress. <i>Molecules</i> , 2019, 24, 1514.	1.7	53
7	<i>Solanum</i> steroidal glycoalkaloids: structural diversity, biological activities, and biosynthesis. <i>Natural Product Reports</i> , 2021, 38, 1423-1444.	5.2	48
8	Identification of Glutathione S-Transferase (GST) Genes from a Dark Septate Endophytic Fungus (<i>Exophiala pisciphila</i>) and Their Expression Patterns under Varied Metals Stress. <i>PLoS ONE</i> , 2015, 10, e0123418.	1.1	44
9	Identification, Biological Activities and Biosynthetic Pathway of <i>Dendrobium</i> Alkaloids. <i>Frontiers in Pharmacology</i> , 2021, 12, 605994.	1.6	32
10	Melatonin confers heavy metal-induced tolerance by alleviating oxidative stress and reducing the heavy metal accumulation in <i>Exophiala pisciphila</i> , a dark septate endophyte (DSE). <i>BMC Microbiology</i> , 2021, 21, 40.	1.3	30
11	Genomic Analysis of the ASMT Gene Family in <i>Solanum lycopersicum</i> . <i>Molecules</i> , 2017, 22, 1984.	1.7	28
12	Melatonin synthesis genes <i>N</i> -acetylserotonin methyltransferases evolved into caffeic acid methyltransferases and both assisted in plant terrestrialization. <i>Journal of Pineal Research</i> , 2021, 71, e12737.	3.4	25
13	Identification of Potential Biomarkers from <i>Aconitum carmichaelii</i> , a Traditional Chinese Medicine, Using a Metabolomic Approach. <i>Planta Medica</i> , 2018, 84, 434-441.	0.7	24
14	Fungi isolated from host protocorms accelerate symbiotic seed germination in an endangered orchid species (<i>Dendrobium chrysotoxum</i>) from southern China. <i>Mycorrhiza</i> , 2020, 30, 529-539.	1.3	23
15	Orchid Reintroduction Based on Seed Germination-Promoting Mycorrhizal Fungi Derived From Protocorms or Seedlings. <i>Frontiers in Plant Science</i> , 2021, 12, 701152.	1.7	23
16	Four new C ₁₈ -diterpenoid alkaloids with analgesic activity from <i>Aconitum weixiense</i> . <i>FÄ-toterapÄ-Ä</i> , 2013, 91, 280-283.	1.1	21
17	Probing the transcriptome of <i>Aconitum carmichaelii</i> reveals the candidate genes associated with the biosynthesis of the toxic aconitine-type C ₁₉ -diterpenoid alkaloids. <i>Phytochemistry</i> , 2018, 152, 113-124.	1.4	20
18	Two New C ₁₉ -Diterpenoid Alkaloids with Anti-inflammatory Activity from <i>Aconitum iochanicum</i> . <i>Chinese Journal of Chemistry</i> , 2017, 35, 1644-1647.	2.6	17

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19	Four new diterpenoid alkaloids with antitumor effect from <i>Aconitum nagarum</i> var. <i>heterotrichum</i> . <i>Chinese Chemical Letters</i> , 2017, 28, 358-361.	4.8	16
20	Grafting: a potential method to reveal the differential accumulation mechanism of secondary metabolites. <i>Horticulture Research</i> , 2022, 9, uhac050.	2.9	16
21	Two new bis-C ₂₀ -diterpenoid alkaloids with anti-inflammation activity from <i>Aconitum bulleyanum</i> . <i>Journal of Asian Natural Products Research</i> , 2019, 21, 323-330.	0.7	14
22	Enriched networks of nucleoside/nucleotide and ribonucleoside/ribonucleotide metabolic processes and response to stimulus potentially conferred to drought adaptation of the epiphytic orchid <i>Dendrobium wangliangii</i> . <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 31-45.	1.4	13
23	Conosiligins A-D, Ring-Rearranged Tremulane Sesquiterpenoids from <i>Conocybe siliginea</i> . <i>Journal of Natural Products</i> , 2020, 83, 2743-2748.	1.5	11
24	Two new C ₁₉ -diterpenoid alkaloids from <i>Aconitum tsaii</i> . <i>Journal of Asian Natural Products Research</i> , 2017, 19, 457-461.	0.7	10
25	Three New C ₁₉ -Diterpenoid Alkaloids from <i>Aconitum forrestii</i> . <i>Helvetica Chimica Acta</i> , 2013, 96, 2155-2159.	1.0	8
26	A novel case of autogamy and cleistogamy in <i>Dendrobium wangliangii</i> : A rare orchid distributed in the dry-hot valley. <i>Ecology and Evolution</i> , 2019, 9, 12906-12914.	0.8	8
27	<i>Aconitum</i> Diterpenoid Alkaloid Profiling to Distinguish between the Official Traditional Chinese Medicine (TCM) Fuzi and Adulterant Species Using LC-qToF-MS with Chemometrics. <i>Journal of Natural Products</i> , 2021, 84, 570-587.	1.5	7
28	Two new C ₁₉ -diterpenoid alkaloids from <i>Aconitum straminiflorum</i> . <i>Journal of Asian Natural Products Research</i> , 2016, 18, 366-370.	0.7	6
29	NtCOMT1 responsible for phyto melatonin biosynthesis confers drought tolerance in <i>Nicotiana tabacum</i> . <i>Phytochemistry</i> , 2022, 202, 113306.	1.4	6
30	Four new C ₁₉ -diterpenoid alkaloids from the roots of <i>Aconitum ouvardianum</i> . <i>Journal of Asian Natural Products Research</i> , 2019, 21, 9-16.	0.7	5
31	OUP accepted manuscript. <i>Journal of Experimental Botany</i> , 2022, , .	2.4	5
32	Genome-Wide Identification and Expression Profile of the SNAT Gene Family in Tobacco (<i>Nicotiana glauca</i>). <i>Journal of Experimental Botany</i> , 2022, , .	1.1	3
33	Gene rational design: the dawn of crop breeding. <i>Trends in Plant Science</i> , 2022, , .	4.3	2