Zhiqiang Pan

List of Publications by Year
in descending order

21 papers	723 citations	623734 14 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	920 citing authors

#	Article	IF	Citations
1	Sorgoleone. Phytochemistry, 2010, 71, 1032-1039.	2.9	120
2	Alkylresorcinol Synthases Expressed in Sorghum bicolor Root Hairs Play an Essential Role in the Biosynthesis of the Allelopathic Benzoquinone Sorgoleone Â. Plant Cell, 2010, 22, 867-887.	6.6	97
3	A Functional Genomics Investigation of Allelochemical Biosynthesis in Sorghum bicolor Root Hairs. Journal of Biological Chemistry, 2008, 283, 3231-3247.	3.4	88
4	Diversity and antifungal activity of the endophytic fungi associated with the native medicinal cactus Opuntia humifusa (Cactaceae) from the United States. Microbiological Research, 2015, 175, 67-77.	5.3	76
5	Inferring Roles in Defense from Metabolic Allocation of Rice Diterpenoids. Plant Cell, 2018, 30, 1119-1131.	6.6	55
6	Functional Characterization of Desaturases Involved in the Formation of the Terminal Double Bond of an Unusual 16:3Î”9, 12, 15 Fatty Acid Isolated from Sorghum bicolor Root Hairs. Journal of Biological Chemistry, 2007, 282, 4326-4335.	3.4	39
7	Identification of molecular pathways affected by pterostilbene, a natural dimethylether analog of resveratrol. BMC Medical Genomics, 2008, 1, 7.	1.5	37
8	Validation of serine/threonine protein phosphatase as the herbicide target site of endothall. Pesticide Biochemistry and Physiology, 2012, 102, 38-44.	3.6	36
9	A cytochrome P450 <scp>CYP</scp>71 enzyme expressed in Sorghum bicolor root hair cells participates in the biosynthesis of the benzoquinone allelochemical sorgoleone. New Phytologist, 2018, 218, 616-629.	7.3	28
10	The potential future roles of natural compounds and microbial bioherbicides in weed management in crops. Advances in Weed Science, 2022, 40, .	1.2	25
11	Proving the Mode of Action of Phytotoxic Phytochemicals. Plants, 2020, 9, 1756.	3.5	20
12	Transcription factor OsbZIP49 controls tiller angle and plant architecture through the induction of indoleâ€3â€acetic acidâ€amido synthetases in rice. Plant Journal, 2021, 108, 1346-1364.	5.7	20
13	Investigating sesquiterpene biosynthesis in Ginkgo biloba: molecular cloning and functional characterization of (E,E)-farnesol and Î±-bisabolene synthases. Plant Molecular Biology, 2015, 89, 451-462.	3.9	18
14	Ratoon rice generated from primed parent plants exhibit enhanced herbivore resistance. Plant, Cell and Environment, 2017, 40, 779-787.	5.7	16
15	Molecular Phylogeny, Diversity, and Bioprospecting of Endophytic Fungi Associated with wild Ethnomedicinal North American Plant EchinaceaÂpurpurea (Asteraceae). Chemistry and Biodiversity, 2016, 13, 918-930.	2.1	15
16	Transcriptome and binding data indicate that citral inhibits single strand DNAâ€binding proteins. Physiologia Plantarum, 2020, 169, 99-109.	5.2	10
17	Biochemical and Functional Characterization of Anthocyanidin Reductase (ANR) from Mangifera indica L.. Molecules, 2018, 23, 2876.	3.8	9
18	A Functional Genomics Approach for the Identification of Genes Involved in the Biosynthesis of the Allelochemical Sorgoleone. ACS Symposium Series, 2006, , 265-276.	0.5	7

#	Article	IF	Citations
19	In vivo assembly of the sorgoleone biosynthetic pathway and its impact on agroinfiltrated leaves of Nicotiana benthamiana. New Phytologist, 2021, 230, 683-697.	7.3	6
20	Molecular and Biochemical Characterization of Novel Polyketide Synthases Likely to Be Involved in the Biosynthesis of Sorgoleone. ACS Symposium Series, 2007, , 141-151.	0.5	1
21	Use of Omics Methods To Determine the Mode of Action of Natural Phytotoxins. ACS Symposium Series, 2018, , 33-46.	0.5	0