

Zhiqiang Pan

List of Publications by Year in descending order

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papers

723
citations

623734

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docs citations

21
times ranked

920
citing authors

#	ARTICLE	IF	CITATIONS
1	The potential future roles of natural compounds and microbial bioherbicides in weed management in crops. <i>Advances in Weed Science</i> , 2022, 40, .	1.2	25
2	<i>In vivo</i> assembly of the sorgoleone biosynthetic pathway and its impact on agroinfiltrated leaves of <i>Nicotiana benthamiana</i> . <i>New Phytologist</i> , 2021, 230, 683-697.	7.3	6
3	Transcription factor OsbZIP49 controls tiller angle and plant architecture through the induction of indoleacetic acid amido synthetases in rice. <i>Plant Journal</i> , 2021, 108, 1346-1364.	5.7	20
4	Transcriptome and binding data indicate that citral inhibits single strand DNA binding proteins. <i>Physiologia Plantarum</i> , 2020, 169, 99-109.	5.2	10
5	Proving the Mode of Action of Phytotoxic Phytochemicals. <i>Plants</i> , 2020, 9, 1756.	3.5	20
6	A cytochrome P450 CYP71 enzyme expressed in <i>Sorghum bicolor</i> root hair cells participates in the biosynthesis of the benzoquinone allelochemical sorgoleone. <i>New Phytologist</i> , 2018, 218, 616-629.	7.3	28
7	Inferring Roles in Defense from Metabolic Allocation of Rice Diterpenoids. <i>Plant Cell</i> , 2018, 30, 1119-1131.	6.6	55
8	Use of Omics Methods To Determine the Mode of Action of Natural Phytotoxins. <i>ACS Symposium Series</i> , 2018, , 33-46.	0.5	0
9	Biochemical and Functional Characterization of Anthocyanidin Reductase (ANR) from <i>Mangifera indica</i> L. <i>Molecules</i> , 2018, 23, 2876.	3.8	9
10	Ratoon rice generated from primed parent plants exhibit enhanced herbivore resistance. <i>Plant, Cell and Environment</i> , 2017, 40, 779-787.	5.7	16
11	Molecular Phylogeny, Diversity, and Bioprospecting of Endophytic Fungi Associated with wild Ethnomedicinal North American Plant <i>Echinacea purpurea</i> (Asteraceae). <i>Chemistry and Biodiversity</i> , 2016, 13, 918-930.	2.1	15
12	Diversity and antifungal activity of the endophytic fungi associated with the native medicinal cactus <i>Opuntia humifusa</i> (Cactaceae) from the United States. <i>Microbiological Research</i> , 2015, 175, 67-77.	5.3	76
13	Investigating sesquiterpene biosynthesis in <i>Ginkgo biloba</i> : molecular cloning and functional characterization of (E,E)-farnesol and \pm -bisabolene synthases. <i>Plant Molecular Biology</i> , 2015, 89, 451-462.	3.9	18
14	Validation of serine/threonine protein phosphatase as the herbicide target site of endothall. <i>Pesticide Biochemistry and Physiology</i> , 2012, 102, 38-44.	3.6	36
15	Sorgoleone. <i>Phytochemistry</i> , 2010, 71, 1032-1039.	2.9	120
16	Alkylresorcinol Synthases Expressed in <i>Sorghum bicolor</i> Root Hairs Play an Essential Role in the Biosynthesis of the Allelopathic Benzoquinone Sorgoleone. <i>Plant Cell</i> , 2010, 22, 867-887.	6.6	97
17	Identification of molecular pathways affected by pterostilbene, a natural dimethylether analog of resveratrol. <i>BMC Medical Genomics</i> , 2008, 1, 7.	1.5	37
18	A Functional Genomics Investigation of Allelochemical Biosynthesis in <i>Sorghum bicolor</i> Root Hairs. <i>Journal of Biological Chemistry</i> , 2008, 283, 3231-3247.	3.4	88

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19	Functional Characterization of Desaturases Involved in the Formation of the Terminal Double Bond of an Unusual 16:3 ω 9, 12, 15 Fatty Acid Isolated from Sorghum bicolor Root Hairs. <i>Journal of Biological Chemistry</i> , 2007, 282, 4326-4335.	3.4	39
20	Molecular and Biochemical Characterization of Novel Polyketide Synthases Likely to Be Involved in the Biosynthesis of Sorgoleone. <i>ACS Symposium Series</i> , 2007, , 141-151.	0.5	1
21	A Functional Genomics Approach for the Identification of Genes Involved in the Biosynthesis of the Allelochemical Sorgoleone. <i>ACS Symposium Series</i> , 2006, , 265-276.	0.5	7