

Gang Lu

List of Publications by Year in descending order

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28
papers

1,010
citations

394421

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501196

28
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docs citations

28
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide identification of MAPK, MAPKK, and MAPKKK gene families and transcriptional profiling analysis during development and stress response in cucumber. <i>BMC Genomics</i> , 2015, 16, 386.	2.8	128
2	Genome-Wide Identification of MAPKK and MAPKKK Gene Families in Tomato and Transcriptional Profiling Analysis during Development and Stress Response. <i>PLoS ONE</i> , 2014, 9, e103032.	2.5	108
3	Tomato AUXIN RESPONSE FACTOR 5 regulates fruit set and development via the mediation of auxin and gibberellin signaling. <i>Scientific Reports</i> , 2018, 8, 2971.	3.3	87
4	Evidence for a specific and critical role of mitogen-activated protein kinase 20 in uni- to binucleate transition of microgametogenesis in tomato. <i>New Phytologist</i> , 2018, 219, 176-194.	7.3	49
5	Tomato stigma exertion induced by high temperature is associated with the jasmonate signalling pathway. <i>Plant, Cell and Environment</i> , 2019, 42, 1205-1221.	5.7	47
6	The Arabidopsis SMALL AUXIN UP RNA32 Protein Regulates ABA-Mediated Responses to Drought Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 625493.	3.6	44
7	Identification and expression profiling of microRNAs involved in the stigma exertion under high-temperature stress in tomato. <i>BMC Genomics</i> , 2017, 18, 843.	2.8	42
8	Genome-Wide Identification and Expression Analysis of Two-Component System Genes in Tomato. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1204.	4.1	41
9	Seasonal variations in nutritional components of green asparagus using the mother fern cultivation. <i>Scientia Horticulturae</i> , 2007, 112, 251-257.	3.6	38
10	Extraction of silicon from plant tissue with dilute HCl and HF and measurement by modified inductive coupled argon plasma procedures. <i>Communications in Soil Science and Plant Analysis</i> , 2002, 33, 1661-1670.	1.4	34
11	Effect of plant growth regulators, temperature and sucrose on shoot proliferation from the stem disc of Chinese jiaotou (<i>Allium chinense</i>) and in vitro bulblet formation. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 521-528.	2.1	34
12	Genome-wide identification and transcriptional profiling analysis of auxin response-related gene families in cucumber. <i>BMC Research Notes</i> , 2014, 7, 218.	1.4	34
13	Mapping QTLs for root morphological traits in <i>Brassica rapa</i> L. based on AFLP and RAPD markers. <i>Journal of Applied Genetics</i> , 2008, 49, 23-31.	1.9	33
14	Identification of miRNAs and their targets through high-throughput sequencing and degradome analysis in male and female <i>Asparagus officinalis</i> . <i>BMC Plant Biology</i> , 2016, 16, 80.	3.6	31
15	In vitro propagation of <i>Caralluma tuberculata</i> and evaluation of antioxidant potential. <i>Biologia (Poland)</i> , 2014, 69, 341-349.	1.5	28
16	Effect of radiation on regeneration of Chinese narcissus and analysis of genetic variation with AFLP and RAPD markers. <i>Plant Cell, Tissue and Organ Culture</i> , 2007, 88, 319-327.	2.3	27
17	PIF4 negatively modulates cold tolerance in tomato anthers via temperature-dependent regulation of tapetal cell death. <i>Plant Cell</i> , 2021, 33, 2320-2339.	6.6	27
18	Melatonin Mitigates the Infection of <i>Colletotrichum gloeosporioides</i> via Modulation of the Chitinase Gene and Antioxidant Activity in <i>Capsicum annuum</i> L.. <i>Antioxidants</i> , 2021, 10, 7.	5.1	26

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19	RNA N6-Methyladenosine Responds to Low-Temperature Stress in Tomato Anthers. <i>Frontiers in Plant Science</i> , 2021, 12, 687826.	3.6	24
20	Chitinase Gene Positively Regulates Hypersensitive and Defense Responses of Pepper to <i>Colletotrichum acutatum</i> Infection. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6624.	4.1	20
21	The CaChiVI2 Gene of <i>Capsicum annuum</i> L. Confers Resistance Against Heat Stress and Infection of <i>Phytophthora capsici</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 219.	3.6	18
22	Phytochrome interacting factor 3 regulates pollen mitotic division through auxin signalling and sugar metabolism pathways in tomato. <i>New Phytologist</i> , 2022, 234, 560-577.	7.3	18
23	Long non-coding RNA transcriptome landscape of anthers at different developmental stages in response to drought stress in tomato. <i>Genomics</i> , 2022, 114, 110383.	2.9	17
24	<i>Agrobacterium tumefaciens</i> -mediated transformation of <i>Narcissus tazetta</i> var. <i>chinensis</i> . <i>Plant Cell Reports</i> , 2007, 26, 1585-1593.	5.6	16
25	Morpho-Physiological and Transcriptome Changes in Tomato Anthers of Different Developmental Stages under Drought Stress. <i>Cells</i> , 2021, 10, 1809.	4.1	16
26	Downregulation of the mitogen-activated protein kinase SIMAPK7 gene results in pollen abortion in tomato. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 126, 79-92.	2.3	11
27	Mitogen-activated protein kinase 4 is obligatory for late pollen and early fruit development in tomato. <i>Horticulture Research</i> , 2022, 9, uhac048.	6.3	8
28	Effects of Mulching on Early-Spring Green Asparagus Yield and Quality under Cultivation in Plastic Tunnels. <i>Horticulturae</i> , 2022, 8, 395.	2.8	4