

Changtian Pan

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,472
citations

516561

16
h-index

610775

24
g-index

27
all docs

27
docs citations

27
times ranked

1653
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.5	18
2	Expanding the targeting scope of FokI-Cas nuclease systems with SpRY and Mb2Cas12a. <i>Biotechnology Journal</i> , 2022, 17, e2100571.	1.8	3
3	CRISPR-Cas3-Based Highly Efficient Multiplexed Gene Activation in Plants. <i>Current Protocols</i> , 2022, 2, e365.	1.3	1
4	Heritable base-editing in <i>Arabidopsis</i> using RNA viral vectors. <i>Plant Physiology</i> , 2022, 189, 1920-1924.	2.3	17
5	Boosting plant genome editing with a versatile CRISPR-Combo system. <i>Nature Plants</i> , 2022, 8, 513-525.	4.7	60
6	Highly efficient CRISPR systems for loss-of-function and gain-of-function research in pear calli. <i>Horticulture Research</i> , 2022, 9, .	2.9	12
7	Assembly and Assessment of Prime Editing Systems for Precise Genome Editing in Plants. <i>Springer Protocols</i> , 2021, , 83-101.	0.1	0
8	Expanding the scope of plant genome engineering with Cas12a orthologs and highly multiplexable editing systems. <i>Nature Communications</i> , 2021, 12, 1944.	5.8	79
9	CRISPR/dCas-mediated transcriptional and epigenetic regulation in plants. <i>Current Opinion in Plant Biology</i> , 2021, 60, 101980.	3.5	50
10	PIF4 negatively modulates cold tolerance in tomato anthers via temperature-dependent regulation of tapetal cell death. <i>Plant Cell</i> , 2021, 33, 2320-2339.	3.1	27
11	CRISPR-Cas3.0 for highly efficient multiplexed gene activation in plants. <i>Nature Plants</i> , 2021, 7, 942-953.	4.7	99
12	PAM-less plant genome editing using a CRISPR-SpRY toolbox. <i>Nature Plants</i> , 2021, 7, 25-33.	4.7	140
13	Rapid Vector Construction and Assessment of BE3 and Target-AID C to T Base Editing Systems in Rice Protoplasts. <i>Methods in Molecular Biology</i> , 2021, 2238, 95-113.	0.4	5
14	Plant-Based Biosensors for Detecting CRISPR-Mediated Genome Engineering. <i>ACS Synthetic Biology</i> , 2021, 10, 3600-3603.	1.9	7
15	CRISPR-Cas12b enables efficient plant genome engineering. <i>Nature Plants</i> , 2020, 6, 202-208.	4.7	116
16	Tomato stigma exertion induced by high temperature is associated with the jasmonate signalling pathway. <i>Plant, Cell and Environment</i> , 2019, 42, 1205-1221.	2.8	47
17	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.	3.5	49
18	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.	1.6	87

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19	Identification and expression profiling of microRNAs involved in the stigma exertion under high-temperature stress in tomato. <i>BMC Genomics</i> , 2017, 18, 843.	1.2	42
20	Genome-Wide Identification and Expression Analysis of Two-Component System Genes in Tomato. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1204.	1.8	41
21	Genome-Wide Identification of Two-Component System Genes in Cucurbitaceae Crops and Expression Profiling Analyses in Cucumber. <i>Frontiers in Plant Science</i> , 2016, 7, 899.	1.7	20
22	CRISPR/Cas9-mediated efficient and heritable targeted mutagenesis in tomato plants in the first and later generations. <i>Scientific Reports</i> , 2016, 6, 24765.	1.6	303
23	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.	1.2	11
24	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.	1.2	128
25	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.	1.1	108