

Xiangzong Meng

List of Publications by Year in descending order

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papers

4,689
citations

331670

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330143

37
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37
all docs

37
docs citations

37
times ranked

5507
citing authors

#	ARTICLE	IF	CITATIONS
1	MAPK Cascades in Plant Disease Resistance Signaling. Annual Review of Phytopathology, 2013, 51, 245-266.	7.8	1,009
2	Phosphorylation of a WRKY Transcription Factor by Two Pathogen-Responsive MAPKs Drives Phytoalexin Biosynthesis in <i>Arabidopsis</i> . Plant Cell, 2011, 23, 1639-1653.	6.6	674
3	Dual-Level Regulation of ACC Synthase Activity by MPK3/MPK6 Cascade and Its Downstream WRKY Transcription Factor during Ethylene Induction in Arabidopsis. PLoS Genetics, 2012, 8, e1002767.	3.5	380
4	Phosphorylation of an ERF Transcription Factor by <i>Arabidopsis</i> MPK3/MPK6 Regulates Plant Defense Gene Induction and Fungal Resistance. Plant Cell, 2013, 25, 1126-1142.	6.6	362
5	Differential Function of Arabidopsis SERK Family Receptor-like Kinases in Stomatal Patterning. Current Biology, 2015, 25, 2361-2372.	3.9	242
6	Transcriptional Regulation of Pattern-Triggered Immunity in Plants. Cell Host and Microbe, 2016, 19, 641-650.	11.0	241
7	A MAPK Cascade Downstream of ERECTA Receptor-Like Protein Kinase Regulates <i>Arabidopsis</i> Inflorescence Architecture by Promoting Localized Cell Proliferation. Plant Cell, 2013, 24, 4948-4960.	6.6	191
8	Ligand-Induced Receptor-like Kinase Complex Regulates Floral Organ Abscission in Arabidopsis. Cell Reports, 2016, 14, 1330-1338.	6.4	157
9	Phosphorylation of a WRKY Transcription Factor by MAPKs Is Required for Pollen Development and Function in Arabidopsis. PLoS Genetics, 2014, 10, e1004384.	3.5	149
10	Pathogen-Responsive MPK3 and MPK6 Reprogram the Biosynthesis of Indole Glucosinolates and Their Derivatives in Arabidopsis Immunity. Plant Cell, 2016, 28, 1144-1162.	6.6	135
11	Regulation of <i>Arabidopsis</i> brassinosteroid receptor BRI1 endocytosis and degradation by plant U-box PUB12/PUB13-mediated ubiquitination. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1906-E1915.	7.1	134
12	Plant cell surface receptor-mediated signaling – a common theme amid diversity. Journal of Cell Science, 2018, 131, .	2.0	134
13	Differential Phosphorylation of the Transcription Factor WRKY33 by the Protein Kinases CPK5/CPK6 and MPK3/MPK6 Cooperatively Regulates Camalexin Biosynthesis in Arabidopsis. Plant Cell, 2020, 32, 2621-2638.	6.6	110
14	The Monocot-Specific Receptor-like Kinase SDS2 Controls Cell Death and Immunity in Rice. Cell Host and Microbe, 2018, 23, 498-510.e5.	11.0	96
15	Specific control of Arabidopsis BAK1/SERK4-regulated cell death by protein glycosylation. Nature Plants, 2016, 2, 15218.	9.3	95
16	Differential Regulation of Two-Tiered Plant Immunity and Sexual Reproduction by ANXUR Receptor-Like Kinases. Plant Cell, 2017, 29, 3140-3156.	6.6	89
17	Multilayered Regulation of Ethylene Induction Plays a Positive Role in Arabidopsis Resistance against <i>Pseudomonas syringae</i> . Plant Physiology, 2015, 169, 299-312.	4.8	87
18	The Arabidopsis Pleiotropic Drug Resistance Transporters PEN3 and PDR12 Mediate Camalexin Secretion for Resistance to <i>Botrytis cinerea</i> . Plant Cell, 2019, 31, 2206-2222.	6.6	84

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19	Modulation of RNA Polymerase II Phosphorylation Downstream of Pathogen Perception Orchestrates Plant Immunity. <i>Cell Host and Microbe</i> , 2014, 16, 748-758.	11.0	70
20	Proteolytic Processing of SERK3/BAK1 Regulates Plant Immunity, Development, and Cell Death. <i>Plant Physiology</i> , 2019, 180, 543-558.	4.8	42
21	Multilayered synergistic regulation of phytoalexin biosynthesis by ethylene, jasmonate, and MAPK signaling pathways in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2022, 34, 3066-3087.	6.6	30
22	Perception of the pathogen-induced peptide RGF7 by the receptor-like kinases RGI4 and RGI5 triggers innate immunity in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 230, 1110-1125.	7.3	27
23	Cloning and characterization of two novel chloroplastic glycerol-3-phosphate dehydrogenases from <i>Dunaliella viridis</i> . <i>Plant Molecular Biology</i> , 2009, 71, 193-205.	3.9	25
24	Characterization of a glutamine synthetase gene DvGS2 from <i>Dunaliella viridis</i> and biochemical identification of DvGS2-transgenic <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2014, 536, 407-415.	2.2	18
25	Phosphoregulation of Ca ²⁺ Influx in Plant Immunity. <i>Trends in Plant Science</i> , 2019, 24, 1067-1069.	8.8	13
26	Molecular cloning and characterization of a vacuolar H ⁺ -pyrophosphatase from <i>Dunaliella viridis</i> . <i>Molecular Biology Reports</i> , 2011, 38, 3375-3382.	2.3	12
27	The amplification and evolution of orthologous 22-kDa β -prolamin tandemly arrayed genes in coix, sorghum and maize genomes. <i>Plant Molecular Biology</i> , 2010, 74, 631-643.	3.9	11
28	Stack Heterotrimeric G Proteins and MAPK Cascades on a RACK. <i>Molecular Plant</i> , 2015, 8, 1691-1693.	8.3	11
29	MAPK Signaling: Emerging Roles in Lateral Root Formation. <i>Trends in Plant Science</i> , 2020, 25, 126-129.	8.8	11
30	Phosphorylation of an ethylene response factor by MPK3/MPK6 mediates negative feedback regulation of pathogen-induced ethylene biosynthesis in <i>Arabidopsis</i> . <i>Journal of Genetics and Genomics</i> , 2022, 49, 810-822.	3.9	11
31	Characterization of duplicated <i>Dunaliella viridis</i> SPT1 genes provides insights into early gene divergence after duplication. <i>Gene</i> , 2008, 423, 36-42.	2.2	10
32	The characterization of two peroxiredoxin genes in <i>Dunaliella viridis</i> provides insights into antioxidative response to salt stress. <i>Plant Cell Reports</i> , 2011, 30, 1503-1512.	5.6	9
33	Molecular cloning and characterization of a trehalose-6-phosphate synthase/phosphatase from <i>Dunaliella viridis</i> . <i>Molecular Biology Reports</i> , 2011, 38, 2241-2248.	2.3	7
34	Characterization of a glutamine synthetase gene DvGS1 from <i>Dunaliella viridis</i> and investigation of the impact on expression of DvGS1 in transgenic <i>Arabidopsis thaliana</i> . <i>Molecular Biology Reports</i> , 2014, 41, 477-487.	2.3	5
35	Differential Ubiquitination of BIK1 Fine-Tunes Plant Immunity. <i>Trends in Plant Science</i> , 2021, 26, 2-4.	8.8	4
36	Expression of the 26S proteasome subunit RPN10 is upregulated by salt stress in <i>Dunaliella viridis</i> . <i>Journal of Plant Physiology</i> , 2010, 167, 1003-1008.	3.5	3

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37	Improved ethanol production in the presence of cadmium ions by a <i>Saccharomyces cerevisiae</i> transformed with a novel cadmium-resistance gene DvCRP1. <i>Environmental Technology (United Kingdom)</i> 2014, 35(12):1453-1460	1.784	14