Dong-Tao Ren

List of Publications by Year
in descending order

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37 papers	2,897 citations	293460 24 h-index	406436 35 g-index
37 all docs	37 docs citations	37 times ranked	4171 citing authors

#	Article	IF	Citations
1	MPK3/MPK6-mediated phosphorylation of ERF72 positively regulates resistance to Botrytis cinerea through directly and indirectly activating the transcription of camalexin biosynthesis enzymes. Journal of Experimental Botany, 2022, 73, 413-428.	2.4	22
2	Two-Dimensional Gel and Pro-Q Diamond Phosphoprotein Stain-Based Plant Phosphoproteomics. Methods in Molecular Biology, 2021, 2358, 159-168.	0.4	0
3	Arabidopsis CPK6 positively regulates ABA signaling and drought tolerance through phosphorylating ABA-responsive element-binding factors. Journal of Experimental Botany, 2020, 71, 188-203.	2.4	59
4	MAPKâ€like protein 1 positively regulates maize seedling drought sensitivity by suppressing ABA biosynthesis. Plant Journal, 2020, 102, 747-760.	2.8	33
5	Comparative phosphoproteomic analysis of developing maize seeds suggests a pivotal role for enolase in promoting starch synthesis. Plant Science, 2019, 289, 110243.	1.7	15
6	Two Arabidopsis Receptor-like Cytoplasmic Kinases SZE1 and SZE2 Associate with the ZAR1â€“ZED1 Complex and Are Required for Effector-Triggered Immunity. Molecular Plant, 2019, 12, 967-983.	3.9	55
7	Arabidopsis MKK10-MPK6 mediates red-light-regulated opening of seedling cotyledons through phosphorylation of PIF3. Journal of Experimental Botany, 2018, 69, 423-439.	2.4	31
8	The MAPK Kinase Kinase GmMEKK1 Regulates Cell Death and Defense Responses. Plant Physiology, 2018, 178, 907-922.	2.3	42
9	The RAFâ€like mitogenâ€activated protein kinase kinase kinases RAF22 and RAF28 are required for the regulation of embryogenesis in Arabidopsis. Plant Journal, 2018, 96, 734-747.	2.8	17
10	Generation of Transgene-Free Maize Male Sterile Lines Using the CRISPR/Cas9 System. Frontiers in Plant Science, 2018, 9, 1180.	1.7	76
11	Protein Kinases in Shaping Plant Architecture. Current Protein and Peptide Science, 2018, 19, 390-400.	0.7	4
12	Arabidopsis phosphoinositideâ€specific phospholipase C 4 negatively regulates seedling salt tolerance. Plant, Cell and Environment, 2017, 40, 1317-1331.	2.8	35
13	The U6 Biogenesis-Like 1 Plays an Important Role in Maize Kernel and Seedling Development by Affecting the 3â€² End Processing of U6 snRNA. Molecular Plant, 2017, 10, 470-482.	3.9	33
14	Phosphorylation of SPOROCYTELESS/NOZZLE by the MPK3/6 Kinase Is Required for Anther Development. Plant Physiology, 2017, 173, 2265-2277.	2.3	51
15	Arabidopsis ZED1â€related kinases mediate the temperatureâ€sensitive intersection of immune response and growth homeostasis. New Phytologist, 2017, 215, 711-724.	3.5	21
16	AIK1, A Mitogen-Activated Protein Kinase, Modulates Abscisic Acid Responses through the MKK5-MPK6 Kinase Cascade. Plant Physiology, 2017, 173, 1391-1408.	2.3	117
17	Activation of ZmMKK10, a maize mitogen-activated protein kinase kinase, induces ethylene-dependent cell death. Plant Science, 2017, 264, 129-137.	1.7	22
18	Expression of the inactive ZmMEK1 induces salicylic acid accumulation and salicylic acidâ€dependent leaf senescence. Journal of Integrative Plant Biology, 2016, 58, 724-736.	4.1	33

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19	Analysis of crystal structure of Arabidopsis MPK6 and generation of its mutants with higher activity. Scientific Reports, 2016, 6, 25646.	1.6	13
20	Plastid-nucleus communication involves calcium-modulated MAPK signalling. Nature Communications, 2016, 7, 12173.	5.8	70
21	Comparative phospho-proteomics analysis of salt-responsive phosphoproteins regulated by the MKK9-MPK6 cascade in Arabidopsis. Plant Science, 2015, 241, 138-150.	1.7	33
22	TYPE-ONE PROTEIN PHOSPHATASE4 Regulates Pavement Cell Interdigitation by Modulating PIN-FORMED1 Polarity and Trafficking in Arabidopsis. Plant Physiology, 2015, 167, 1058-1075.	2.3	48
23	Activation of <scp>MKK</scp>9â€<scp>MPK</scp>3/<scp>MPK</scp>6 enhances phosphate acquisition in Arabidopsis thaliana. New Phytologist, 2014, 203, 1146-1160.	3.5	53
24	A chemical genetic approach demonstrates that <scp>MPK</scp>3/<scp>MPK</scp>6 activation and <scp>NADPH</scp> oxidaseâ€mediated oxidative burst are two independent signaling events in plant immunity. Plant Journal, 2014, 77, 222-234.	2.8	166
25	Reply: Complexity in Camalexin Biosynthesis. Plant Cell, 2013, 25, 367-370.	3.1	4
26	Sucrose induces rapid activation of CfSAPK, a mitogenâ€activated protein kinase, in Cephalostachyum fuchsianum Gamble cells. Plant, Cell and Environment, 2012, 35, 1428-1439.	2.8	3
27	Glutathione-Indole-3-Acetonitrile Is Required for Camalexin Biosynthesis in Arabidopsis thaliana Â Â. Plant Cell, 2011, 23, 364-380.	3.1	109
28	A Pseudomonas syringae ADP-Ribosyltransferase Inhibits Arabidopsis Mitogen-Activated Protein Kinase Kinases. Plant Cell, 2010, 22, 2033-2044.	3.1	215
29	Hydrogen Peroxideâ€“Mediated Activation of MAP Kinase 6 Modulates Nitric Oxide Biosynthesis and Signal Transduction inArabidopsisÂ. Plant Cell, 2010, 22, 2981-2998.	3.1	280
30	Ethylene signaling is required for the acceleration of cell death induced by the activation of AtMEK5 in Arabidopsis. Cell Research, 2008, 18, 422-432.	5.7	67
31	A fungal-responsive MAPK cascade regulates phytoalexin biosynthesis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5638-5643.	3.3	317
32	Activation of MAPK Kinase 9 Induces Ethylene and Camalexin Biosynthesis and Enhances Sensitivity to Salt Stress in Arabidopsis. Journal of Biological Chemistry, 2008, 283, 26996-27006.	1.6	335
33	Molecular cloning, expression and biochemical property analysis of AtKP1, a kinesin gene from Arabidopsis thaliana. Science Bulletin, 2007, 52, 1338-1346.	1.7	4
34	Activation of Ntf4, a Tobacco Mitogen-Activated Protein Kinase, during Plant Defense Response and Its Involvement in Hypersensitive Response-Like Cell Death. Plant Physiology, 2006, 141, 1482-1493.	2.3	99
35	Prokaryotic expression and characterization of a pea actin isoform (PEAc1) fused to GFP. Science Bulletin, 2004, 49, 915-920.	1.7	0
36	Measurements of leucocyte membrane elasticity based on the optical tweezers. Science Bulletin, 2003, 48, 503-508.	1.7	4

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37	Cell Death Mediated by MAPK Is Associated with Hydrogen Peroxide Production in Arabidopsis. Journal of Biological Chemistry, 2002, 277, 559-565.	1.6	411