

Dong-Tao Ren

List of Publications by Year in descending order

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37
papers

2,897
citations

257450

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361022

35
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37
all docs

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docs citations

37
times ranked

3757
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Death Mediated by MAPK Is Associated with Hydrogen Peroxide Production in Arabidopsis. Journal of Biological Chemistry, 2002, 277, 559-565.	3.4	411
2	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.	3.4	335
3	A fungal-responsive MAPK cascade regulates phytoalexin biosynthesis in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5638-5643.	7.1	317
4	Hydrogen Peroxide-Mediated Activation of MAP Kinase 6 Modulates Nitric Oxide Biosynthesis and Signal Transduction in <i>Arabidopsis</i> . Plant Cell, 2010, 22, 2981-2998.	6.6	280
5	A <i>Pseudomonas syringae</i> ADP-Ribosyltransferase Inhibits <i>Arabidopsis</i> Mitogen-Activated Protein Kinase Kinases. Plant Cell, 2010, 22, 2033-2044.	6.6	215
6	A chemical genetic approach demonstrates that <i>MPK3</i> activation and <i>NADPH</i> oxidase-mediated oxidative burst are two independent signaling events in plant immunity. Plant Journal, 2014, 77, 222-234.	5.7	166
7	AK1, A Mitogen-Activated Protein Kinase, Modulates Abscisic Acid Responses through the MKK5-MPK6 Kinase Cascade. Plant Physiology, 2017, 173, 1391-1408.	4.8	117
8	Glutathione-Indole-3-Acetonitrile Is Required for Camalexin Biosynthesis in <i>Arabidopsis thaliana</i> . Plant Cell, 2011, 23, 364-380.	6.6	109
9	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.	4.8	99
10	Generation of Transgene-Free Maize Male Sterile Lines Using the CRISPR/Cas9 System. Frontiers in Plant Science, 2018, 9, 1180.	3.6	76
11	Plastid-nucleus communication involves calcium-modulated MAPK signalling. Nature Communications, 2016, 7, 12173.	12.8	70
12	Ethylene signaling is required for the acceleration of cell death induced by the activation of AtMEK5 in Arabidopsis. Cell Research, 2008, 18, 422-432.	12.0	67
13	Arabidopsis CPK6 positively regulates ABA signaling and drought tolerance through phosphorylating ABA-responsive element-binding factors. Journal of Experimental Botany, 2020, 71, 188-203.	4.8	59
14	Two Arabidopsis Receptor-like Cytoplasmic Kinases SZE1 and SZE2 Associate with the ZAR1-ZED1 Complex and Are Required for Effector-Triggered Immunity. Molecular Plant, 2019, 12, 967-983.	8.3	55
15	Activation of <i>MKK9</i> enhances <i>MPK3</i> and <i>MPK6</i> enhances phosphate acquisition in <i>Arabidopsis thaliana</i> . New Phytologist, 2014, 203, 1146-1160.	7.3	53
16	Phosphorylation of SPOROCTELESS/NOZZLE by the MPK3/6 Kinase Is Required for Anther Development. Plant Physiology, 2017, 173, 2265-2277.	4.8	51
17	TYPE-ONE PROTEIN PHOSPHATASE4 Regulates Pavement Cell Interdigitation by Modulating PIN-FORMED1 Polarity and Trafficking in Arabidopsis. Plant Physiology, 2015, 167, 1058-1075.	4.8	48
18	The MAPK Kinase Kinase GmMEKK1 Regulates Cell Death and Defense Responses. Plant Physiology, 2018, 178, 907-922.	4.8	42

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19	<i>Arabidopsis</i> phosphoinositide-specific phospholipase C 4 negatively regulates seedling salt tolerance. <i>Plant, Cell and Environment</i> , 2017, 40, 1317-1331.	5.7	35
20	Comparative phospho-proteomics analysis of salt-responsive phosphoproteins regulated by the MKK9-MPK6 cascade in <i>Arabidopsis</i> . <i>Plant Science</i> , 2015, 241, 138-150.	3.6	33
21	Expression of the inactive ZmMEK1 induces salicylic acid accumulation and salicylic acid-dependent leaf senescence. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 724-736.	8.5	33
22	The U6 Biogenesis-Like 1 Plays an Important Role in Maize Kernel and Seedling Development by Affecting the 3' End Processing of U6 snRNA. <i>Molecular Plant</i> , 2017, 10, 470-482.	8.3	33
23	MAPK-like protein 1 positively regulates maize seedling drought sensitivity by suppressing ABA biosynthesis. <i>Plant Journal</i> , 2020, 102, 747-760.	5.7	33
24	<i>Arabidopsis</i> MKK10-MPK6 mediates red-light-regulated opening of seedling cotyledons through phosphorylation of PIF3. <i>Journal of Experimental Botany</i> , 2018, 69, 423-439.	4.8	31
25	Activation of ZmMCK10, a maize mitogen-activated protein kinase kinase, induces ethylene-dependent cell death. <i>Plant Science</i> , 2017, 264, 129-137.	3.6	22
26	MPK3/MPK6-mediated phosphorylation of ERF72 positively regulates resistance to <i>Botrytis cinerea</i> through directly and indirectly activating the transcription of camalexin biosynthesis enzymes. <i>Journal of Experimental Botany</i> , 2022, 73, 413-428.	4.8	22
27	<i>Arabidopsis</i> ZED1-related kinases mediate the temperature-sensitive intersection of immune response and growth homeostasis. <i>New Phytologist</i> , 2017, 215, 711-724.	7.3	21
28	The RAF-like mitogen-activated protein kinase kinases RAF22 and RAF28 are required for the regulation of embryogenesis in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2018, 96, 734-747.	5.7	17
29	Comparative phosphoproteomic analysis of developing maize seeds suggests a pivotal role for enolase in promoting starch synthesis. <i>Plant Science</i> , 2019, 289, 110243.	3.6	15
30	Analysis of crystal structure of <i>Arabidopsis</i> MPK6 and generation of its mutants with higher activity. <i>Scientific Reports</i> , 2016, 6, 25646.	3.3	13
31	Measurements of leucocyte membrane elasticity based on the optical tweezers. <i>Science Bulletin</i> , 2003, 48, 503-508.	1.7	4
32	Molecular cloning, expression and biochemical property analysis of AtKP1, a kinesin gene from <i>Arabidopsis thaliana</i> . <i>Science Bulletin</i> , 2007, 52, 1338-1346.	1.7	4
33	Reply: Complexity in Camalexin Biosynthesis. <i>Plant Cell</i> , 2013, 25, 367-370.	6.6	4
34	Protein Kinases in Shaping Plant Architecture. <i>Current Protein and Peptide Science</i> , 2018, 19, 390-400.	1.4	4
35	Sucrose induces rapid activation of CfSAPK, a mitogen-activated protein kinase, in <i>Cephalostachyum fuchsianum</i> Gamble cells. <i>Plant, Cell and Environment</i> , 2012, 35, 1428-1439.	5.7	3
36	Prokaryotic expression and characterization of a pea actin isoform (PEAc1) fused to GFP. <i>Science Bulletin</i> , 2004, 49, 915-920.	1.7	0

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37	Two-Dimensional Gel and Pro-Q Diamond Phosphoprotein Stain-Based Plant Phosphoproteomics. Methods in Molecular Biology, 2021, 2358, 159-168.	0.9	0