

Juan Xu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,963
citations

279798

23
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

3799
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitogen-activated protein kinase cascades in signaling plant growth and development. <i>Trends in Plant Science</i> , 2015, 20, 56-64.	8.8	428
2	Phosphorylation of an ERF Transcription Factor by <i>Arabidopsis</i> MPK3/MPK6 Regulates Plant Defense Gene Induction and Fungal Resistance. <i>Plant Cell</i> , 2013, 25, 1126-1142.	6.6	362
3	Activation of MAPK Kinase 9 Induces Ethylene and Camalexin Biosynthesis and Enhances Sensitivity to Salt Stress in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 26996-27006.	3.4	335
4	Conveying endogenous and exogenous signals: MAPK cascades in plant growth and defense. <i>Current Opinion in Plant Biology</i> , 2018, 45, 1-10.	7.1	221
5	A chemical genetic approach demonstrates that MPK3/MPK6 activation and NADPH oxidase-mediated oxidative burst are two independent signaling events in plant immunity. <i>Plant Journal</i> , 2014, 77, 222-234.	5.7	166
6	Active photosynthetic inhibition mediated by MPK3/MPK6 is critical to effector-triggered immunity. <i>PLoS Biology</i> , 2018, 16, e2004122.	5.6	161
7	Regulation of Stomatal Immunity by Interdependent Functions of a Pathogen-Responsive MPK3/MPK6 Cascade and Abscisic Acid. <i>Plant Cell</i> , 2017, 29, 526-542.	6.6	146
8	Pathogen-Responsive MPK3 and MPK6 Reprogram the Biosynthesis of Indole Glucosinolates and Their Derivatives in <i>Arabidopsis</i> Immunity. <i>Plant Cell</i> , 2016, 28, 1144-1162.	6.6	135
9	A MAPK cascade downstream of IDA/HAE/HSL2 ligand-receptor pair in lateral root emergence. <i>Nature Plants</i> , 2019, 5, 414-423.	9.3	90
10	Multilayered Regulation of Ethylene Induction Plays a Positive Role in <i>Arabidopsis</i> Resistance against <i>Pseudomonas syringae</i> . <i>Plant Physiology</i> , 2015, 169, 299-312.	4.8	87
11	The <i>Arabidopsis</i> Pleiotropic Drug Resistance Transporters PEN3 and PDR12 Mediate Camalexin Secretion for Resistance to <i>Botrytis cinerea</i> . <i>Plant Cell</i> , 2019, 31, 2206-2222.	6.6	84
12	Two Mitogen-Activated Protein Kinases, MPK3 and MPK6, Are Required for Funicular Guidance of Pollen Tubes in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2014, 165, 528-533.	4.8	79
13	Mitogen-activated protein kinases and calcium-dependent protein kinases are involved in wounding-induced ethylene biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 134-147.	5.7	71
14	Maternal control of embryogenesis by MPK6 and its upstream MKK4/MKK5 in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2017, 92, 1005-1019.	5.7	66
15	Activation of MKK9-MPK3/MPK6 enhances phosphate acquisition in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2014, 203, 1146-1160.	7.3	53
16	Regulation of Ethylene Biosynthesis and Signaling by Protein Kinases and Phosphatases. <i>Molecular Plant</i> , 2014, 7, 939-942.	8.3	49
17	The YDA-MKK4/MKK5-MPK3/MPK6 Cascade Functions Downstream of the RGF1-RGI Ligand-Receptor Pair in Regulating Mitotic Activity in Root Apical Meristem. <i>Molecular Plant</i> , 2020, 13, 1608-1623.	8.3	49
18	Co-regulation of indole glucosinolates and camalexin biosynthesis by CPK5/CPK6 and MPK3/MPK6 signaling pathways. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1780-1796.	8.5	48

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19	Integration of Metabolomics and Subcellular Organelle Expression Microarray to Increase Understanding the Organic Acid Changes in Post-harvest Citrus Fruit. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 1038-1053.	8.5	44
20	The MAPK Kinase Kinase GmMEKK1 Regulates Cell Death and Defense Responses. <i>Plant Physiology</i> , 2018, 178, 907-922.	4.8	42
21	Regulation of pollen lipid body biogenesis by MAP kinases and downstream WRKY transcription factors in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2018, 14, e1007880.	3.5	38
22	RACK1, scaffolding a heterotrimeric G protein and a MAPK cascade. <i>Trends in Plant Science</i> , 2015, 20, 405-407.	8.8	36
23	WRKY15 Suppresses Tracheary Element Differentiation Upstream of VND7 During Xylem Formation. <i>Plant Cell</i> , 2020, 32, 2307-2324.	6.6	36
24	Ethylene Biosynthesis and Regulation in Plants. , 2015, , 1-25.		32
25	Induction of Î³-aminobutyric acid plays a positive role to <i>Arabidopsis</i> resistance against <i>Pseudomonas syringae</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1797-1812.	8.5	25
26	Regulation of GDSL Lipase Gene Expression by the MPK3/MPK6 Cascade and Its Downstream WRKY Transcription Factors in <i>Arabidopsis</i> Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 673-684.	2.6	23
27	Functional characterization of GhAKT1, a novel Shaker-like K ⁺ channel gene involved in K ⁺ uptake from cotton (<i>Gossypium hirsutum</i>). <i>Gene</i> , 2014, 545, 61-71.	2.2	19
28	Sporophytic control of anther development and male fertility by glucose-6-phosphate/phosphate translocator 1 (OsGPT1) in rice. <i>Journal of Genetics and Genomics</i> , 2021, 48, 695-705.	3.9	13
29	Reactive oxygen species in signalling the transcriptional activation of <i>WIPK</i> expression in tobacco. <i>Plant, Cell and Environment</i> , 2014, 37, 1614-1625.	5.7	10
30	Expression of a plastid-localized sugar transporter in the suspensor is critical to embryogenesis. <i>Plant Physiology</i> , 2021, 185, 1021-1038.	4.8	10
31	Regulation of <i>Arabidopsis</i> Matrix Metalloproteinases by Mitogen-Activated Protein Kinases and Their Function in Leaf Senescence. <i>Frontiers in Plant Science</i> , 2022, 13, 864986.	3.6	3
32	RNA Interference of Plant MAPK Cascades for Functional Studies. <i>Methods in Molecular Biology</i> , 2014, 1171, 91-103.	0.9	2