Juan Xu

List of Publications by Year in Descending Order

31 papers	1,851 citations	20 h-index	32 g-index
32 ext. papers	2,520 ext. citations	8.3 avg, IF	5.08 L-index

#	Paper	IF	Citations
31	Regulation of Arabidopsis Matrix Metalloproteinases by Mitogen-Activated Protein Kinases and Their Function in Leaf Senescence.. *Frontiers in Plant Science*, **2022**, 13, 864986	6.2	
30	Expression of a plastid-localized sugar transporter in the suspensor is critical to embryogenesis. *Plant Physiology*, **2021**, 185, 1021-1038	6.6	4
29	Sporophytic control of anther development and male fertility by glucose-6-phosphate/phosphate translocator 1 (OsGPT1) in rice. *Journal of Genetics and Genomics*, **2021**, 48, 695-705	4	3
28	Induction of □aminobutyric acid plays a positive role to Arabidopsis resistance against Pseudomonas syringae. *Journal of Integrative Plant Biology*, **2020**, 62, 1797-1812	8.3	7
27	WRKY15 Suppresses Tracheary Element Differentiation Upstream of VND7 During Xylem Formation. *Plant Cell*, **2020**, 32, 2307-2324	11.6	8
26	Co-regulation of indole glucosinolates and camalexin biosynthesis by CPK5/CPK6 and MPK3/MPK6 signaling pathways. *Journal of Integrative Plant Biology*, **2020**, 62, 1780-1796	8.3	15
25	The YDA-MKK4/MKK5-MPK3/MPK6 Cascade Functions Downstream of the RGF1-RGI Ligand-Receptor Pair in Regulating Mitotic Activity in Root Apical Meristem. *Molecular Plant*, **2020**, 13, 1608-1623	14.4	21
24	The Arabidopsis Pleiotropic Drug Resistance Transporters PEN3 and PDR12 Mediate Camalexin Secretion for Resistance to. *Plant Cell*, **2019**, 31, 2206-2222	11.6	39
23	A MAPK cascade downstream of IDA-HAE/HSL2 ligand-receptor pair in lateral root emergence. *Nature Plants*, **2019**, 5, 414-423	11.5	50
22	Regulation of GDSL Lipase Gene Expression by the MPK3/MPK6 Cascade and Its Downstream WRKY Transcription Factors in Immunity. *Molecular Plant-Microbe Interactions*, **2019**, 32, 673-684	3.6	11
21	Mitogen-activated protein kinases and calcium-dependent protein kinases are involved in wounding-induced ethylene biosynthesis in Arabidopsis thaliana. *Plant, Cell and Environment*, **2018**, 41, 134-147	8.4	39
20	Conveying endogenous and exogenous signals: MAPK cascades in plant growth and defense. *Current Opinion in Plant Biology*, **2018**, 45, 1-10	9.9	105
19	Active photosynthetic inhibition mediated by MPK3/MPK6 is critical to effector-triggered immunity. *PLoS Biology*, **2018**, 16, e2004122	9.7	86
18	Regulation of pollen lipid body biogenesis by MAP kinases and downstream WRKY transcription factors in Arabidopsis. *PLoS Genetics*, **2018**, 14, e1007880	6	16
17	The MAPK Kinase Kinase GmMEKK1 Regulates Cell Death and Defense Responses. *Plant Physiology*, **2018**, 178, 907-922	6.6	21
16	Regulation of Stomatal Immunity by Interdependent Functions of a Pathogen-Responsive MPK3/MPK6 Cascade and Abscisic Acid. *Plant Cell*, **2017**, 29, 526-542	11.6	76
15	Maternal control of embryogenesis by MPK6 and its upstream MKK4/MKK5 in Arabidopsis. *Plant Journal*, **2017**, 92, 1005-1019	6.9	43

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14	Pathogen-Responsive MPK3 and MPK6 Reprogram the Biosynthesis of Indole Glucosinolates and Their Derivatives in Arabidopsis Immunity. *Plant Cell*, **2016**, 28, 1144-62	11.6	82
13	Multilayered Regulation of Ethylene Induction Plays a Positive Role in Arabidopsis Resistance against Pseudomonas syringae. *Plant Physiology*, **2015**, 169, 299-312	6.6	56
12	Mitogen-activated protein kinase cascades in signaling plant growth and development. *Trends in Plant Science*, **2015**, 20, 56-64	13.1	305
11	RACK1, scaffolding a heterotrimeric G protein and a MAPK cascade. *Trends in Plant Science*, **2015**, 20, 405-7	13.1	26
10	Ethylene Biosynthesis and Regulation in Plants **2015**, 1-25		13
9	A chemical genetic approach demonstrates that MPK3/MPK6 activation and NADPH oxidase-mediated oxidative burst are two independent signaling events in plant immunity. *Plant Journal*, **2014**, 77, 222-34	6.9	129
8	Functional characterization of GhAKT1, a novel Shaker-like K+ channel gene involved in K+ uptake from cotton (Gossypium hirsutum). *Gene*, **2014**, 545, 61-71	3.8	17
7	RNA interference of plant MAPK cascades for functional studies. *Methods in Molecular Biology*, **2014**, 1171, 91-103	1.4	2
6	Two Mitogen-Activated Protein Kinases, MPK3 and MPK6, Are Required for Funicular Guidance of Pollen Tubes in Arabidopsis. *Plant Physiology*, **2014**, 165, 528-533	6.6	63
5	Activation of MKK9-MPK3/MPK6 enhances phosphate acquisition in Arabidopsis thaliana. *New Phytologist*, **2014**, 203, 1146-1160	9.8	42
4	Reactive oxygen species in signalling the transcriptional activation of WIPK expression in tobacco. *Plant, Cell and Environment*, **2014**, 37, 1614-25	8.4	10
3	Integration of metabolomics and subcellular organelle expression microarray to increase understanding the organic acid changes in post-harvest citrus fruit. *Journal of Integrative Plant Biology*, **2013**, 55, 1038-53	8.3	37
2	Phosphorylation of an ERF transcription factor by Arabidopsis MPK3/MPK6 regulates plant defense gene induction and fungal resistance. *Plant Cell*, **2013**, 25, 1126-42	11.6	255
1	Activation of MAPK kinase 9 induces ethylene and camalexin biosynthesis and enhances sensitivity to salt stress in Arabidopsis. *Journal of Biological Chemistry*, **2008**, 283, 26996-7006	5.4	244