

Shuqun Zhang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8598148/shuqun-zhang-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

9,409
citations

39
h-index

63
g-index

63
ext. papers

11,425
ext. citations

8.9
avg, IF

6.27
L-index

#	Paper	IF	Citations
58	Regulation of Arabidopsis Matrix Metalloproteinases by Mitogen-Activated Protein Kinases and Their Function in Leaf Senescence.. <i>Frontiers in Plant Science</i> , 2022 , 13, 864986	6.2	
57	Expression of a plastid-localized sugar transporter in the suspensor is critical to embryogenesis. <i>Plant Physiology</i> , 2021 , 185, 1021-1038	6.6	4
56	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	4	3
55	Induction of β -aminobutyric acid plays a positive role to Arabidopsis resistance against <i>Pseudomonas syringae</i> . <i>Journal of Integrative Plant Biology</i> , 2020 , 62, 1797-1812	8.3	7
54	Differential Phosphorylation of the Transcription Factor WRKY33 by the Protein Kinases CPK5/CPK6 and MPK3/MPK6 Cooperatively Regulates Camalexin Biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2020 , 32, 2621-2638	11.6	32
53	CASEIN KINASE2-Dependent Phosphorylation of PHOSPHATE2 Fine-tunes Phosphate Homeostasis in Rice. <i>Plant Physiology</i> , 2020 , 183, 250-262	6.6	8
52	WRKY15 Suppresses Tracheary Element Differentiation Upstream of VND7 During Xylem Formation. <i>Plant Cell</i> , 2020 , 32, 2307-2324	11.6	8
51	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	8.3	15
50	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	14.4	21
49	Protein phosphatase 2A alleviates cadmium toxicity by modulating ethylene production in Arabidopsis thaliana. <i>Plant, Cell and Environment</i> , 2020 , 43, 1008-1022	8.4	7
48	SCREAM in the making of stomata. <i>Nature Plants</i> , 2019 , 5, 648-649	11.5	3
47	The Arabidopsis Pleiotropic Drug Resistance Transporters PEN3 and PDR12 Mediate Camalexin Secretion for Resistance to. <i>Plant Cell</i> , 2019 , 31, 2206-2222	11.6	39
46	A MAPK cascade downstream of IDA-HAE/HSL2 ligand-receptor pair in lateral root emergence. <i>Nature Plants</i> , 2019 , 5, 414-423	11.5	50
45	Regulation of GDSL Lipase Gene Expression by the MPK3/MPK6 Cascade and Its Downstream WRKY Transcription Factors in Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2019 , 32, 673-684	3.6	11
44	A Förster resonance energy transfer sensor for live-cell imaging of mitogen-activated protein kinase activity in Arabidopsis. <i>Plant Journal</i> , 2019 , 97, 970-983	6.9	12
43	Mitogen-activated protein kinases and calcium-dependent protein kinases are involved in wounding-induced ethylene biosynthesis in Arabidopsis thaliana. <i>Plant, Cell and Environment</i> , 2018 , 41, 134-147	8.4	39
42	Conveying endogenous and exogenous signals: MAPK cascades in plant growth and defense. <i>Current Opinion in Plant Biology</i> , 2018 , 45, 1-10	9.9	105

41	Active photosynthetic inhibition mediated by MPK3/MPK6 is critical to effector-triggered immunity. <i>PLoS Biology</i> , 2018 , 16, e2004122	9.7	86
40	Mitogen-Activated Protein Kinase Cascades in Plant Signaling 2018 , 100-136		3
39	Regulation of pollen lipid body biogenesis by MAP kinases and downstream WRKY transcription factors in Arabidopsis. <i>PLoS Genetics</i> , 2018 , 14, e1007880	6	16
38	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	11.6	76
37	Assay Methods for ACS Activity and ACS Phosphorylation by MAP Kinases In Vitro and In Vivo. <i>Methods in Molecular Biology</i> , 2017 , 1573, 59-71	1.4	1
36	Maternal control of embryogenesis by MPK6 and its upstream MKK4/MKK5 in Arabidopsis. <i>Plant Journal</i> , 2017 , 92, 1005-1019	6.9	43
35	MPK3- and MPK6-Mediated ICE1 Phosphorylation Negatively Regulates ICE1 Stability and Freezing Tolerance in Arabidopsis. <i>Developmental Cell</i> , 2017 , 43, 630-642.e4	10.2	196
34	Pathogen-Responsive MPK3 and MPK6 Reprogram the Biosynthesis of Indole Glucosinolates and Their Derivatives in Arabidopsis Immunity. <i>Plant Cell</i> , 2016 , 28, 1144-62	11.6	82
33	The rice CK2 kinase regulates trafficking of phosphate transporters in response to phosphate levels. <i>Plant Cell</i> , 2015 , 27, 711-23	11.6	72
32	Multilayered Regulation of Ethylene Induction Plays a Positive Role in Arabidopsis Resistance against <i>Pseudomonas syringae</i> . <i>Plant Physiology</i> , 2015 , 169, 299-312	6.6	56
31	Mitogen-activated protein kinase cascades in signaling plant growth and development. <i>Trends in Plant Science</i> , 2015 , 20, 56-64	13.1	305
30	MPK3/MPK6 are involved in iron deficiency-induced ethylene production in Arabidopsis. <i>Frontiers in Plant Science</i> , 2015 , 6, 953	6.2	45
29	RACK1, scaffolding a heterotrimeric G protein and a MAPK cascade. <i>Trends in Plant Science</i> , 2015 , 20, 405-7	13.1	26
28	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, 222-34	6.9	129
27	Two Mitogen-Activated Protein Kinases, MPK3 and MPK6, Are Required for Funicular Guidance of Pollen Tubes in Arabidopsis. <i>Plant Physiology</i> , 2014 , 165, 528-533	6.6	63
26	EDR1 physically interacts with MKK4/MKK5 and negatively regulates a MAP kinase cascade to modulate plant innate immunity. <i>PLoS Genetics</i> , 2014 , 10, e1004389	6	91
25	Phosphorylation of a WRKY transcription factor by MAPKs is required for pollen development and function in Arabidopsis. <i>PLoS Genetics</i> , 2014 , 10, e1004384	6	112
24	MAPK cascades in plant disease resistance signaling. <i>Annual Review of Phytopathology</i> , 2013 , 51, 245-66	10.8	646

23	Phosphorylation of an ERF transcription factor by Arabidopsis MPK3/MPK6 regulates plant defense gene induction and fungal resistance. <i>Plant Cell</i> , 2013 , 25, 1126-42	11.6	255
22	A MAPK cascade downstream of ERECTA receptor-like protein kinase regulates Arabidopsis inflorescence architecture by promoting localized cell proliferation. <i>Plant Cell</i> , 2012 , 24, 4948-60	11.6	137
21	Dual-level regulation of ACC synthase activity by MPK3/MPK6 cascade and its downstream WRKY transcription factor during ethylene induction in Arabidopsis. <i>PLoS Genetics</i> , 2012 , 8, e1002767	6	255
20	Phosphorylation of a WRKY transcription factor by two pathogen-responsive MAPKs drives phytoalexin biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2011 , 23, 1639-53	11.6	483
19	Mitogen-activated protein kinase 3 and 6 regulate Botrytis cinerea-induced ethylene production in Arabidopsis. <i>Plant Journal</i> , 2010 , 64, 114-27	6.9	169
18	Mitogen-activated protein kinases 3 and 6 are required for full priming of stress responses in Arabidopsis thaliana. <i>Plant Cell</i> , 2009 , 21, 944-53	11.6	390
17	MAPK phosphorylation-induced stabilization of ACS6 protein is mediated by the non-catalytic C-terminal domain, which also contains the cis-determinant for rapid degradation by the 26S proteasome pathway. <i>Plant Journal</i> , 2008 , 54, 129-40	6.9	174
16	Haplo-insufficiency of MPK3 in MPK6 mutant background uncovers a novel function of these two MAPKs in Arabidopsis ovule development. <i>Plant Cell</i> , 2008 , 20, 602-13	11.6	123
15	A fungal-responsive MAPK cascade regulates phytoalexin biosynthesis in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5638-43	11.5	285
14	Regulation of floral organ abscission in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15629-34	11.5	228
13	Chloroplast-generated reactive oxygen species are involved in hypersensitive response-like cell death mediated by a mitogen-activated protein kinase cascade. <i>Plant Journal</i> , 2007 , 51, 941-54	6.9	232
12	MEKK1 is required for flg22-induced MPK4 activation in Arabidopsis plants. <i>Plant Physiology</i> , 2007 , 143, 661-9	6.6	248
11	Stomatal development and patterning are regulated by environmentally responsive mitogen-activated protein kinases in Arabidopsis. <i>Plant Cell</i> , 2007 , 19, 63-73	11.6	587
10	Ancient signals: comparative genomics of plant MAPK and MAPKK gene families. <i>Trends in Plant Science</i> , 2006 , 11, 192-8	13.1	379
9	Phosphorylation of 1-aminocyclopropane-1-carboxylic acid synthase by MPK6, a stress-responsive mitogen-activated protein kinase, induces ethylene biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2004 , 16, 3386-99	11.6	635
8	Activation of a stress-responsive mitogen-activated protein kinase cascade induces the biosynthesis of ethylene in plants. <i>Plant Cell</i> , 2003 , 15, 2707-18	11.6	181
7	Cell death mediated by MAPK is associated with hydrogen peroxide production in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 559-65	5.4	335
6	Mitogen-activated protein kinase cascades in plants: a new nomenclature. <i>Trends in Plant Science</i> , 2002 , 7, 301-8	13.1	891

5	Activation of salicylic acid-induced protein kinase, a mitogen-activated protein kinase, induces multiple defense responses in tobacco. <i>Plant Cell</i> , 2001 , 13, 1877-89	11.6	141
4	MAPK cascades in plant defense signaling. <i>Trends in Plant Science</i> , 2001 , 6, 520-7	13.1	571
3	Multiple levels of tobacco WIPK activation during the induction of cell death by fungal elicitors. <i>Plant Journal</i> , 2000 , 23, 339-47	6.9	135
2	Calcium-independent activation of salicylic acid-induced protein kinase and a 40-kilodalton protein kinase by hyperosmotic stress. <i>Plant Physiology</i> , 2000 , 122, 1355-63	6.6	130
1	Mitogen-Activated Protein Kinase Cascades in Plant Intracellular Signaling100-136		3