Kazuya Ichimura

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40 papers	6,418 citations	24 h-index	41 g-index
41 ext. papers	7,287 ext. citations	6.6 avg, IF	4.96 L-index

#	Paper	IF	Citations
40	CERK1, a LysM receptor kinase, is essential for chitin elicitor signaling in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 19613-8	11.5	943
39	Mitogen-activated protein kinase cascades in plants: a new nomenclature. *Trends in Plant Science*, **2002**, 7, 301-8	13.1	891
38	The MKK2 pathway mediates cold and salt stress signaling in Arabidopsis. *Molecular Cell*, **2004**, 15, 141-52	17.6	713
37	Various abiotic stresses rapidly activate Arabidopsis MAP kinases ATMPK4 and ATMPK6. *Plant Journal*, **2000**, 24, 655-65	6.9	492
36	ABA-activated SnRK2 protein kinase is required for dehydration stress signaling in Arabidopsis. *Plant and Cell Physiology*, **2002**, 43, 1473-83	4.9	441
35	HSP90 interacts with RAR1 and SGT1 and is essential for RPS2-mediated disease resistance in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 11777-82	11.5	386
34	The mitogen-activated protein kinase cascade MKK3-MPK6 is an important part of the jasmonate signal transduction pathway in Arabidopsis. *Plant Cell*, **2007**, 19, 805-18	11.6	277
33	MEKK1 is required for MPK4 activation and regulates tissue-specific and temperature-dependent cell death in Arabidopsis. *Journal of Biological Chemistry*, **2006**, 281, 36969-76	5.4	224
32	Harpin induces activation of the Arabidopsis mitogen-activated protein kinases AtMPK4 and AtMPK6. *Plant Physiology*, **2001**, 126, 1579-87	6.6	205
31	Calmodulin-dependent activation of MAP kinase for ROS homeostasis in Arabidopsis. *Molecular Cell* , **2011**, 41, 649-60	17.6	190
30	Negative regulation of PAMP-triggered immunity by an E3 ubiquitin ligase triplet in Arabidopsis. *Current Biology*, **2008**, 18, 1396-401	6.3	183
29	Distinct regulation of salinity and genotoxic stress responses by Arabidopsis MAP kinase phosphatase 1. *EMBO Journal*, **2002**, 21, 6483-93	13	179
28	Environmental stress response in plants: the role of mitogen-activated protein kinases. *Trends in Biotechnology*, **1997**, 15, 15-9	15.1	168
27	Isolation of ATMEKK1 (a MAP kinase kinase kinase)-interacting proteins and analysis of a MAP kinase cascade in Arabidopsis. *Biochemical and Biophysical Research Communications*, **1998**, 253, 532-43	3.4	162
26	Oxidative stress activates ATMPK6, an Arabidopsis homologue of MAP kinase. *Plant and Cell Physiology*, **2001**, 42, 1012-6	4.9	156
25	The ubiquitin ligase PUB22 targets a subunit of the exocyst complex required for PAMP-triggered responses in Arabidopsis. *Plant Cell*, **2012**, 24, 4703-16	11.6	151
24	The Arabidopsis CERK1-associated kinase PBL27 connects chitin perception to MAPK activation. *EMBO Journal*, **2016**, 35, 2468-2483	13	126

23	Identification of a possible MAP kinase cascade in Arabidopsis thaliana based on pairwise yeast two-hybrid analysis and functional complementation tests of yeast mutants. *FEBS Letters*, **1998**, 437, 56-60	3.8	96
22	Fusarium phytotoxin trichothecenes have an elicitor-like activity in Arabidopsis thaliana, but the activity differed significantly among their molecular species. *Molecular Plant-Microbe Interactions*, **2006**, 19, 512-20	3.6	81
21	Mitogen-Activated Protein Kinase Kinase 3 Regulates Seed Dormancy in Barley. *Current Biology*, **2016**, 26, 775-81	6.3	57
20	MAP kinase cascades in Arabidopsis: their roles in stress and hormone responses. *Results and Problems in Cell Differentiation*, **2000**, 27, 29-38	1.4	42
19	D-Psicose induces upregulation of defense-related genes and resistance in rice against bacterial blight. *Journal of Plant Physiology*, **2011**, 168, 1852-7	3.6	40
18	Molecular responses to water stress inArabidopsis thaliana. *Journal of Plant Research*, **1998**, 111, 345-351	1.6	37
17	The rare sugar D-allose acts as a triggering molecule of rice defence via ROS generation. *Journal of Experimental Botany*, **2013**, 64, 4939-51	7	30
16	Isolation and characterization of Neurospora crassa nucleoside diphosphate kinase NDK-1. *FEBS Journal*, **1999**, 266, 709-14		20
15	Disruption of the MAMP-Induced MEKK1-MKK1/MKK2-MPK4 Pathway Activates the TNL Immune Receptor SMN1/RPS6. *Plant and Cell Physiology*, **2019**, 60, 778-787	4.9	20
14	Phosphorylation of D-allose by hexokinase involved in regulation of OsABF1 expression for growth inhibition in Oryza sativa L. *Planta*, **2013**, 237, 1379-91	4.7	19
13	Rare sugar D-allose suppresses gibberellin signaling through hexokinase-dependent pathway in Oryza sativa L. *Planta*, **2011**, 234, 1083-95	4.7	18
12	Role of the pathotype-specific ACRTS1 gene encoding a hydroxylase involved in the biosynthesis of host-selective ACR-toxin in the rough lemon pathotype of Alternaria alternata. *Phytopathology*, **2012**, 102, 741-8	3.8	12
11	ATMRK1, an Arabidopsis protein kinase related to mammal mixed-lineage kinases and Raf protein kinases. *Plant Science*, **1997**, 130, 171-179	5.3	11
10	The rare sugar D-tagatose protects plants from downy mildews and is a safe fungicidal agrochemical. *Communications Biology*, **2020**, 3, 423	6.7	10
9	Arabidopsis SMN2/HEN2, Encoding DEAD-Box RNA Helicase, Governs Proper Expression of the Resistance Gene SMN1/RPS6 and Is Involved in Dwarf, Autoimmune Phenotypes of mekk1 and mpk4 Mutants. *Plant and Cell Physiology*, **2020**, 61, 1507-1516	4.9	8
8	Evaluation of various cultivars of Actinidia species and breeding source Actinidia rufa for resistance to Pseudomonas syringae pv. actinidiae biovar 3. *Journal of General Plant Pathology*, **2018**, 84, 399-406	1	8
7	Molecular characterization of a cDNA encoding a novel small GTP-binding protein from Arabidopsis thaliana. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1997**, 1354, 99-104		6
6	A zinc-binding citrus protein metallothionein can act as a plant defense factor by controlling host-selective ACR-toxin production. *Plant Molecular Biology*, **2013**, 81, 1-11	4.6	5

5	SGT1 contributes to maintaining protein levels of MEK2DD to facilitate hypersensitive response-like cell death in Nicotiana benthamiana. *Physiological and Molecular Plant Pathology*, **2016**, 94, 47-52	2.6	4
4	Citrus as a molecular contact point for co-evolution of Alternaria pathogens. *Physiological and Molecular Plant Pathology*, **2016**, 95, 93-96	2.6	3
3	Plant Mitogen-Activated Protein Kinase Cascades in Signaling Crosstalk23-42		3
2	A kiwifruit cultivar crossbred with Actinidia chinensis and Actinidia rufa has practical tolerance to Pseudomonas syringae pv. actinidiae biovar 3. *Journal of Plant Pathology*, **2019**, 101, 1211-1214	1	1
1	Simultaneous mutations in and fully suppress the dwarf and autoimmune phenotypes of mutant.. *Plant Signaling and Behavior*, **2022**, 17, 2046412	2.5	0