

Kazuya Ichimura

List of Publications by Year in Descending Order

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

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	Simultaneous mutations in and fully suppress the dwarf and autoimmune phenotypes of mutant.. <i>Plant Signaling and Behavior</i> , 2022 , 17, 2046412	2.5	0
39	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. <i>Plant and Cell Physiology</i> , 2020 , 61, 1507-1516	4.9	8
38	The rare sugar D-tagatose protects plants from downy mildews and is a safe fungicidal agrochemical. <i>Communications Biology</i> , 2020 , 3, 423	6.7	10
37	A kiwifruit cultivar crossbred with <i>Actinidia chinensis</i> and <i>Actinidia rufa</i> has practical tolerance to <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> biovar 3. <i>Journal of Plant Pathology</i> , 2019 , 101, 1211-1214	1	1
36	Disruption of the MAMP-Induced MEKK1-MKK1/MKK2-MPK4 Pathway Activates the TNL Immune Receptor SMN1/RPS6. <i>Plant and Cell Physiology</i> , 2019 , 60, 778-787	4.9	20
35	Evaluation of various cultivars of <i>Actinidia</i> species and breeding source <i>Actinidia rufa</i> for resistance to <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> biovar 3. <i>Journal of General Plant Pathology</i> , 2018 , 84, 399-406	1	8
34	SGT1 contributes to maintaining protein levels of MEK2DD to facilitate hypersensitive response-like cell death in <i>Nicotiana benthamiana</i> . <i>Physiological and Molecular Plant Pathology</i> , 2016 , 94, 47-52	2.6	4
33	Citrus as a molecular contact point for co-evolution of <i>Alternaria</i> pathogens. <i>Physiological and Molecular Plant Pathology</i> , 2016 , 95, 93-96	2.6	3
32	Mitogen-Activated Protein Kinase Kinase 3 Regulates Seed Dormancy in Barley. <i>Current Biology</i> , 2016 , 26, 775-81	6.3	57
31	The Arabidopsis CERK1-associated kinase PBL27 connects chitin perception to MAPK activation. <i>EMBO Journal</i> , 2016 , 35, 2468-2483	13	126
30	A zinc-binding citrus protein metallothionein can act as a plant defense factor by controlling host-selective ACR-toxin production. <i>Plant Molecular Biology</i> , 2013 , 81, 1-11	4.6	5
29	The rare sugar D-allose acts as a triggering molecule of rice defence via ROS generation. <i>Journal of Experimental Botany</i> , 2013 , 64, 4939-51	7	30
28	Phosphorylation of D-allose by hexokinase involved in regulation of OsABF1 expression for growth inhibition in <i>Oryza sativa</i> L. <i>Planta</i> , 2013 , 237, 1379-91	4.7	19
27	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 <i>Alternaria alternata</i> . <i>Phytopathology</i> , 2012 , 102, 741-8	3.8	12
26	The ubiquitin ligase PUB22 targets a subunit of the exocyst complex required for PAMP-triggered responses in Arabidopsis. <i>Plant Cell</i> , 2012 , 24, 4703-16	11.6	151
25	Calmodulin-dependent activation of MAP kinase for ROS homeostasis in Arabidopsis. <i>Molecular Cell</i> , 2011 , 41, 649-60	17.6	190
24	D-Psicose induces upregulation of defense-related genes and resistance in rice against bacterial blight. <i>Journal of Plant Physiology</i> , 2011 , 168, 1852-7	3.6	40

23	Rare sugar D-allose suppresses gibberellin signaling through hexokinase-dependent pathway in <i>Oryza sativa</i> L. <i>Planta</i> , 2011 , 234, 1083-95	4.7	18
22	Negative regulation of PAMP-triggered immunity by an E3 ubiquitin ligase triplet in Arabidopsis. <i>Current Biology</i> , 2008 , 18, 1396-401	6.3	183
21	The mitogen-activated protein kinase cascade MKK3-MPK6 is an important part of the jasmonate signal transduction pathway in Arabidopsis. <i>Plant Cell</i> , 2007 , 19, 805-18	11.6	277
20	CERK1, a LysM receptor kinase, is essential for chitin elicitor signaling in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 19613-8	11.5	943
19	MEKK1 is required for MPK4 activation and regulates tissue-specific and temperature-dependent cell death in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 36969-76	5.4	224
18	Fusarium phytoxin trichothecenes have an elicitor-like activity in Arabidopsis thaliana, but the activity differed significantly among their molecular species. <i>Molecular Plant-Microbe Interactions</i> , 2006 , 19, 512-20	3.6	81
17	The MKK2 pathway mediates cold and salt stress signaling in Arabidopsis. <i>Molecular Cell</i> , 2004 , 15, 141-52	27.6	713
16	HSP90 interacts with RAR1 and SGT1 and is essential for RPS2-mediated disease resistance in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 11777-82	11.5	386
15	Distinct regulation of salinity and genotoxic stress responses by Arabidopsis MAP kinase phosphatase 1. <i>EMBO Journal</i> , 2002 , 21, 6483-93	13	179
14	ABA-activated SnRK2 protein kinase is required for dehydration stress signaling in Arabidopsis. <i>Plant and Cell Physiology</i> , 2002 , 43, 1473-83	4.9	441
13	Mitogen-activated protein kinase cascades in plants: a new nomenclature. <i>Trends in Plant Science</i> , 2002 , 7, 301-8	13.1	891
12	Oxidative stress activates ATMPK6, an Arabidopsis homologue of MAP kinase. <i>Plant and Cell Physiology</i> , 2001 , 42, 1012-6	4.9	156
11	Harpin induces activation of the Arabidopsis mitogen-activated protein kinases AtMPK4 and AtMPK6. <i>Plant Physiology</i> , 2001 , 126, 1579-87	6.6	205
10	Various abiotic stresses rapidly activate Arabidopsis MAP kinases ATMPK4 and ATMPK6. <i>Plant Journal</i> , 2000 , 24, 655-65	6.9	492
9	MAP kinase cascades in Arabidopsis: their roles in stress and hormone responses. <i>Results and Problems in Cell Differentiation</i> , 2000 , 27, 29-38	1.4	42
8	Isolation and characterization of <i>Neurospora crassa</i> nucleoside diphosphate kinase NDK-1. <i>FEBS Journal</i> , 1999 , 266, 709-14		20
7	Molecular responses to water stress in Arabidopsis thaliana. <i>Journal of Plant Research</i> , 1998 , 111, 345-351	1.6	37
6	Identification of a possible MAP kinase cascade in Arabidopsis thaliana based on pairwise yeast two-hybrid analysis and functional complementation tests of yeast mutants. <i>FEBS Letters</i> , 1998 , 437, 56-60	3.8	96

5	Isolation of ATMEKK1 (a MAP kinase kinase kinase)-interacting proteins and analysis of a MAP kinase cascade in Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 253, 532-43	3-4	162
4	ATMRK1, an Arabidopsis protein kinase related to mammal mixed-lineage kinases and Raf protein kinases. <i>Plant Science</i> , 1997 , 130, 171-179	5-3	11
3	Molecular characterization of a cDNA encoding a novel small GTP-binding protein from Arabidopsis thaliana. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997 , 1354, 99-104		6
2	Environmental stress response in plants: the role of mitogen-activated protein kinases. <i>Trends in Biotechnology</i> , 1997 , 15, 15-9	15-1	168
1	Plant Mitogen-Activated Protein Kinase Cascades in Signaling Crosstalk	23-42	3