

Tsutomu Kawasaki

List of Publications by Year in descending order

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62
papers

5,336
citations

94433

37
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138484

58
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all docs

65
docs citations

65
times ranked

5174
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative regulation of PBI1 and MAPKs controls WRKY45 transcription factor in rice immunity. <i>Nature Communications</i> , 2022, 13, 2397.	12.8	20
2	Novel assays to monitor gene expression and protein-protein interactions in rice using the bioluminescent protein, NanoLuc. <i>Plant Biotechnology</i> , 2021, 38, 89-99.	1.0	7
3	Identification of TAL and iTAL effectors in Japanese strain T7133 of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Journal of General Plant Pathology</i> , 2021, 87, 354-360.	1.0	2
4	Pathogen- and plant-derived peptides trigger plant immunity. <i>Peptides</i> , 2021, 144, 170611.	2.4	6
5	Clinical course of 2019 novel coronavirus disease (COVID-19) in individuals present during the outbreak on the Diamond Princess cruise ship. <i>Journal of Infection and Chemotherapy</i> , 2020, 26, 865-869.	1.7	42
6	Apple Immunity: Unidirectional Ubiquitination between Two Ubiquitin E3 Ligases Regulates the Immune Response in Apple Fruits. <i>Plant and Cell Physiology</i> , 2019, 60, 2127-2128.	3.1	0
7	PRR Cross-Talk Jump Starts Plant Immunity. <i>Cell Host and Microbe</i> , 2019, 26, 707-709.	11.0	2
8	Treatment of asthma in smokers: A questionnaire survey in Japanese clinical practice. <i>Respiratory Investigation</i> , 2019, 57, 126-132.	1.8	6
9	OsDRE2 contributes to chitin-triggered response through its interaction with OsRLCK185. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 281-290.	1.3	7
10	Pathogen Recognition and Immune Signaling. , 2018, , 361-374.		0
11	Elasticity of the pronator teres muscle in youth baseball players with elbow injuries: evaluation using ultrasound strain elastography. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 1642-1649.	2.6	11
12	In vivo monitoring of plant small GTPase activation using a Förster resonance energy transfer biosensor. <i>Plant Methods</i> , 2018, 14, 56.	4.3	16
13	Chitin-Triggered MAPK Activation and ROS Generation in Rice Suspension-Cultured Cells. <i>Methods in Molecular Biology</i> , 2017, 1578, 309-316.	0.9	8
14	Conservation of Chitin-Induced MAPK Signaling Pathways in Rice and Arabidopsis. <i>Plant and Cell Physiology</i> , 2017, 58, 993-1002.	3.1	83
15	Chitin receptor-mediated activation of MAP kinases and ROS production in rice and Arabidopsis. <i>Plant Signaling and Behavior</i> , 2017, 12, e1361076.	2.4	65
16	Arabidopsis ubiquitin ligase PUB12 interacts with and negatively regulates Chitin Elicitor Receptor Kinase 1 (CERK1). <i>PLoS ONE</i> , 2017, 12, e0188886.	2.5	30
17	Plant-specific DUF1110 protein from <i>Oryza sativa</i> : expression, purification and crystallization. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 480-484.	0.8	6
18	The <i>Arabidopsis</i> CERK1-associated kinase PBL27 connects chitin perception to MAPK activation. <i>EMBO Journal</i> , 2016, 35, 2468-2483.	7.8	202

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19	Selective regulation of the chitin-induced defense response by the <sc>A</sc>rabidopsis receptor-like cytoplasmic kinase <sc>PBL</sc>27. <i>Plant Journal</i> , 2014, 79, 56-66.	5.7	149
20	Bacterial effector modulation of host E3 ligase activity suppresses PAMP-triggered immunity in rice. <i>Nature Communications</i> , 2014, 5, 5430.	12.8	114
21	The Crystal Structure of the Plant Small GTPase OsRac1 Reveals Its Mode of Binding to NADPH Oxidase. <i>Journal of Biological Chemistry</i> , 2014, 289, 28569-28578.	3.4	35
22	Purification, crystallization and preliminary X-ray crystallographic analysis of a rice Rac/Rop GTPase, OsRac1. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 113-115.	0.8	3
23	A Receptor-like Cytoplasmic Kinase Targeted by a Plant Pathogen Effector Is Directly Phosphorylated by the Chitin Receptor and Mediates Rice Immunity. <i>Cell Host and Microbe</i> , 2013, 13, 347-357.	11.0	221
24	An OsCEBiP/OsCERK1-OsRacGEF1-OsRac1 Module Is an Essential Early Component of Chitin-Induced Rice Immunity. <i>Cell Host and Microbe</i> , 2013, 13, 465-476.	11.0	227
25	Suppression of Rice Immunity by <i>Xanthomonas oryzae</i> Type III Effector Xoo2875. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 796-801.	1.3	28
26	Receptor-like cytoplasmic kinases are pivotal components in pattern recognition receptor-mediated signaling in plant immunity. <i>Plant Signaling and Behavior</i> , 2013, 8, e25662.	2.4	28
27	The bHLH Rac Immunity1 (RAI1) Is Activated by OsRac1 via OsMAPK3 and OsMAPK6 in Rice Immunity. <i>Plant and Cell Physiology</i> , 2012, 53, 740-754.	3.1	73
28	Function of Arabidopsis SWAP70 GEF in immune response. <i>Plant Signaling and Behavior</i> , 2012, 7, 465-468.	2.4	11
29	SWAP70 functions as a Rac/Rop guanine nucleotide-exchange factor in rice. <i>Plant Journal</i> , 2012, 70, 389-397.	5.7	42
30	Analysis of the Rac/Rop Small GTPase Family in Rice: Expression, Subcellular Localization and Role in Disease Resistance. <i>Plant and Cell Physiology</i> , 2010, 51, 585-595.	3.1	113
31	Sekiguchi Lesion Gene Encodes a Cytochrome P450 Monooxygenase That Catalyzes Conversion of Tryptamine to Serotonin in Rice. <i>Journal of Biological Chemistry</i> , 2010, 285, 11308-11313.	3.4	197
32	Structure of the N-terminal Regulatory Domain of a Plant NADPH Oxidase and Its Functional Implications. <i>Journal of Biological Chemistry</i> , 2010, 285, 1435-1445.	3.4	129
33	The Hop/Sti1-Hsp90 Chaperone Complex Facilitates the Maturation and Transport of a PAMP Receptor in Rice Innate Immunity. <i>Cell Host and Microbe</i> , 2010, 7, 185-196.	11.0	164
34	Activation of a Rac GTPase by the NLR Family Disease Resistance Protein Pit Plays a Critical Role in Rice Innate Immunity. <i>Cell Host and Microbe</i> , 2010, 7, 362-375.	11.0	138
35	Proteome Analysis of Detergent-Resistant Membranes (DRMs) Associated with OsRac1-Mediated Innate Immunity in Rice. <i>Plant and Cell Physiology</i> , 2009, 50, 1191-1200.	3.1	79
36	Constitutive activation of a CC-NB-CLRR protein alters morphogenesis through the cytokinin pathway in Arabidopsis. <i>Plant Journal</i> , 2008, 55, 14-27.	5.7	82

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37	Regulation of Rice NADPH Oxidase by Binding of Rac GTPase to Its N-Terminal Extension. <i>Plant Cell</i> , 2008, 19, 4022-4034.	6.6	415
38	RAR1 and HSP90 Form a Complex with Rac/Rop GTPase and Function in Innate-Immune Responses in Rice. <i>Plant Cell</i> , 2008, 19, 4035-4045.	6.6	141
39	RACK1 Functions in Rice Innate Immunity by Interacting with the Rac1 Immune Complex. <i>Plant Cell</i> , 2008, 20, 2265-2279.	6.6	183
40	Rice Pti1a Negatively Regulates RAR1-Dependent Defense Responses. <i>Plant Cell</i> , 2007, 19, 2940-2951.	6.6	58
41	BCL2L2 is a probable target for novel 14q11.2 amplification detected in a non-small cell lung cancer cell line. <i>Cancer Science</i> , 2007, 98, 1070-1077.	3.9	22
42	Cinnamoyl-CoA reductase, a key enzyme in lignin biosynthesis, is an effector of small GTPase Rac in defense signaling in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 230-235.	7.1	325
43	Proteomics of Rac GTPase Signaling Reveals Its Predominant Role in Elicitor-Induced Defense Response of Cultured Rice Cells. <i>Plant Physiology</i> , 2006, 140, 734-745.	4.8	79
44	Proteome Analysis of Programmed Cell Death and Defense Signaling Using the Rice Lesion Mimic Mutant <i>cdr2</i> . <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 52-59.	2.6	70
45	A duplicated pair of Arabidopsis RING-finger E3 ligases contribute to the RPM1- and RPS2-mediated hypersensitive response. <i>Plant Journal</i> , 2005, 44, 258-270.	5.7	96
46	A Sphingolipid Elicitor-Inducible Mitogen-Activated Protein Kinase Is Regulated by the Small GTPase OsRac1 and Heterotrimeric G-Protein in Rice. <i>Plant Physiology</i> , 2005, 138, 1644-1652.	4.8	177
47	Down-Regulation of Metallothionein, a Reactive Oxygen Scavenger, by the Small GTPase OsRac1 in Rice. <i>Plant Physiology</i> , 2004, 135, 1447-1456.	4.8	306
48	Hyperphosphorylation of a Mitochondrial Protein, Prohibitin, Is Induced by Calyculin A in a Rice Lesion-Mimic Mutant <i>cdr1</i> . <i>Plant Physiology</i> , 2003, 132, 1861-1869.	4.8	59
49	Isolation and Characterization of Starch Mutants in Rice. <i>Journal of Applied Glycoscience</i> (1999), 2003, 50, 225-230.	0.7	44
50	The heterotrimeric G protein β subunit acts upstream of the small GTPase Rac in disease resistance of rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13307-13312.	7.1	254
51	Rice SPK, a Calmodulin-Like Domain Protein Kinase, Is Required for Storage Product Accumulation during Seed Development. <i>Plant Cell</i> , 2002, 14, 619-628.	6.6	154
52	Programmed Cell Death in Plants. <i>Plant Biotechnology</i> , 1999, 16, 49-53.	1.0	1
53	Lesion mimic mutants of rice with alterations in early signaling events of defense. <i>Plant Journal</i> , 1999, 17, 535-545.	5.7	206
54	RNA maturation of the rice SPK gene may involve trans-splicing. <i>Plant Journal</i> , 1999, 18, 625-632.	5.7	22

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55	Importance of Fluorescein Angiographic Study in Evaluating Early Retinal Changes in Takayasu Disease. Japanese Journal of Ophthalmology, 1999, 43, 546-552.	1.9	21
56	Genomic Organization of 251 kDa Acetyl-CoA Carboxylase Genes in Arabidopsis: Tandem Gene Duplication has Made Two Differentially Expressed Isozymes. Plant and Cell Physiology, 1995, 36, 779-787.	3.1	59
57	Molecular analysis of the gene encoding a rice starch branching enzyme. Molecular Genetics and Genomics, 1993, 237-237, 10-16.	2.4	57
58	The gene encoding a calcium-dependent protein kinase located near the sbe1 gene encoding starch branching enzyme I is specifically expressed in developing rice seeds. Gene, 1993, 129, 183-189.	2.2	87
59	Starch Branching Enzymes from Immature Rice Seeds. Journal of Biochemistry, 1992, 112, 643-651.	1.7	101
60	cDNA sequence and expression of a phosphoenolpyruvate carboxylase gene from soybean. Plant Molecular Biology, 1992, 20, 743-747.	3.9	46
61	ROP/RAC GTPases. , 0, , 64-99.		4
62	ROP/RAC GTPases. , 0, , 64-99.		1