Ichiro Mitsuhara

List of Publications by Year
in descending order

50 papers	3,621 citations	159585 30 h-index	197818 49 g-index
51 all docs	51 docs citations	51 times ranked	4426 citing authors

#	Article	IF	Citations
1	Efficient Promoter Cassettes for Enhanced Expression of Foreign Genes in Dicotyledonous and Monocotyledonous Plants. Plant and Cell Physiology, 1996, 37, 49-59.	3.1	551
2	In Vitro Assembly of Plant RNA-Induced Silencing Complexes Facilitated by Molecular Chaperone HSP90. Molecular Cell, 2010, 39, 282-291.	9.7	288
3	A rice calciumâ€dependent protein kinase OsCPK12 oppositely modulates saltâ€stress tolerance and blast disease resistance. Plant Journal, 2012, 69, 26-36.	5.7	269
4	Characteristic expression of twelve rice PR1 family genes in response to pathogen infection, wounding, and defense-related signal compounds (121/180). Molecular Genetics and Genomics, 2008, 279, 415-427.	2.1	231
5	Animal cell-death suppressors Bcl-xL and Ced-9 inhibit cell death in tobacco plants. Current Biology, 1999, 9, 775-S1.	3.9	176
6	Phytoalexin Accumulation in the Interaction Between Rice and the Blast Fungus. Molecular Plant-Microbe Interactions, 2010, 23, 1000-1011.	2.6	158
7	A Mitogen-activated Protein Kinase NtMPK4 Activated by SIPKK is Required for Jasmonic Acid Signaling and Involved in Ozone Tolerance via Stomatal Movement in Tobacco. Plant and Cell Physiology, 2005, 46, 1902-1914.	3.1	136
8	Probenazole-Induced Accumulation of Salicylic Acid Confers Resistance to Magnaporthe grisea in Adult Rice Plants. Plant and Cell Physiology, 2007, 48, 915-924.	3.1	118
9	Ethylene Promotes the Necrotic Lesion Formation and Basic PR Gene Expression in TMV-Infected Tobacco. Plant and Cell Physiology, 1999, 40, 808-817.	3.1	113
10	Pathogen-Induced Calmodulin Isoforms in Basal Resistance Against Bacterial and Fungal Pathogens in Tobacco. Plant and Cell Physiology, 2007, 48, 414-423.	3.1	112
11	Transcriptionally and post-transcriptionally regulated response of 13 calmodulin genes to tobacco mosaic virus-induced cell death and wounding in tobacco plant. FEBS Journal, 2001, 268, 3916-3929.	0.2	108
12	Ten Rice Peroxidases Redundantly Respond to Multiple Stresses Including Infection with Rice Blast Fungus. Plant and Cell Physiology, 2004, 45, 1442-1452.	3.1	105
13	Transcriptome Analysis of Quantitative Resistance-Specific Response upon Ralstonia solanacearum Infection in Tomato. PLoS ONE, 2012, 7, e46763.	2.5	99
14	Plant MAPK Phosphatase Interacts with Calmodulins. Journal of Biological Chemistry, 2004, 279, 928-936.	3.4	76
15	Analysis on Blast Fungus-Responsive Characters of a Flavonoid Phytoalexin Sakuranetin; Accumulation in Infected Rice Leaves, Antifungal Activity and Detoxification by Fungus. Molecules, 2014, 19, 11404-11418.	3.8	70
16	An HR-Induced Tobacco Peroxidase Gene Is Responsive to Spermine, but Not to Salicylate, Methyl Jasmonate, and Ethephon. Molecular Plant-Microbe Interactions, 2000, 13, 210-216.	2.6	66
17	Enhanced Resistance to Salt, Cold and Wound Stresses by Overproduction of Animal Cell Death Suppressors Bcl-xL and Ced-9 in Tobacco Cells â€" Their Possible Contribution Through Improved Function of Organella. Plant and Cell Physiology, 2002, 43, 992-1005.	3.1	63
18	Induced Expression of Sarcotoxin IA Enhanced Host Resistance Against Both Bacterial and Fungal Pathogens in Transgenic Tobacco. Molecular Plant-Microbe Interactions, 2000, 13, 860-868.	2.6	61

#	Article	IF	Citations
19	Cyanide, a Coproduct of Plant Hormone Ethylene Biosynthesis, Contributes to the Resistance of Rice to Blast Fungus Â Â. Plant Physiology, 2011, 155, 502-514.	4.8	61
20	Identification of Natural Diterpenes that Inhibit Bacterial Wilt Disease in Tobacco, Tomato and Arabidopsis. Plant and Cell Physiology, 2012, 53, 1432-1444.	3.1	60
21	Jasmonic acid negatively regulates resistance to Tobacco mosaic virus in tobacco. Plant and Cell Physiology, 2013, 54, 1999-2010.	3.1	56
22	l-Histidine Induces Resistance in Plants to the Bacterial PathogenRalstonia solanacearumPartially Through the Activation of Ethylene Signaling. Plant and Cell Physiology, 2016, 57, 1932-1942.	3.1	50
23	Loliolide, a Carotenoid Metabolite, Is a Potential Endogenous Inducer of Herbivore Resistance. Plant Physiology, 2019, 179, 1822-1833.	4.8	49
24	Catalytic Activation of the Plant MAPK Phosphatase NtMKP1 by Its Physiological Substrate Salicylic Acid-induced Protein Kinase but Not by Calmodulins. Journal of Biological Chemistry, 2005, 280, 39569-39581.	3.4	44
25	MAP Kinases Function Downstream of HSP90 and Upstream of Mitochondria in TMV Resistance Gene N-Mediated Hypersensitive Cell Death. Plant and Cell Physiology, 2007, 48, 498-510.	3.1	44
26	Two novel AP2/ERF domain proteins interact with cis-element VWRE for wound-induced expression of the Tobacco tpoxN1 gene. Plant Journal, 2007, 50, 1079-1092.	5.7	43
27	Release From Post-transcriptional Gene Silencing by Cell Proliferation in Transgenic Tobacco Plants: Possible Mechanism for Noninheritance of the Silencing. Genetics, 2002, 160, 343-352.	2.9	39
28	Three Types of Tobacco Calmodulins Characteristically Activate Plant NAD Kinase at Different Ca2+ Concentrations and pHs. Plant and Cell Physiology, 2004, 45, 1371-1379.	3.1	38
29	Silencing of WIPK and SIPK Mitogen-Activated Protein Kinases Reduces Tobacco mosaic virus Accumulation But Permits Systemic Viral Movement in Tobacco Possessing the N Resistance Gene. Molecular Plant-Microbe Interactions, 2010, 23, 1032-1041.	2.6	36
30	Involvement of wound-induced receptor-like protein kinase in wound signal transduction in tobacco plants. Plant Journal, 2006, 47, 249-257.	5.7	31
31	Tobacco MAP Kinase Phosphatase (NtMKP1) Negatively Regulates Wound Response and Induced Resistance Against Necrotrophic Pathogens and Lepidopteran Herbivores. Molecular Plant-Microbe Interactions, 2013, 26, 668-675.	2.6	31
32	Characterization of two rice peroxidase promoters that respond to blast fungus-infection. Molecular Genetics and Genomics, 2007, 278, 709-722.	2.1	30
33	Accumulation of the Two Transcripts of the N gene, Conferring Resistance to Tobacco Mosaic Virus, is Probably Important for N Gene-dependent Hypersensitive Cell Death. Plant and Cell Physiology, 2006, 47, 254-261.	3.1	28
34	Involvement of EIN3 homologues in basic PR gene expression and flower development in tobacco plants. Journal of Experimental Botany, 2007, 58, 3671-3678.	4.8	28
35	Involvement of two rice ETHYLENE INSENSITIVE3-LIKE genes in wound signaling. Molecular Genetics and Genomics, 2009, 282, 517-29.	2.1	23
36	Identification of an amino acid residue required for differential recognition of a viral movement protein by the Tomato mosaic virus resistance gene Tm-22. Journal of Plant Physiology, 2011, 168, 1142-1145.	3.5	20

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37	Mitogen-activated protein kinase 4-like carrying an MEY motif instead of a TXY motif is involved in ozone tolerance and regulation of stomatal closure in tobacco. Journal of Experimental Botany, 2016, 67, 3471-3479.	4.8	15
38	Transcriptome Analysis of WIPK/SIPK-Suppressed Plants Reveals Induction by Wounding of Disease Resistance-Related Genes Prior to the Accumulation of Salicylic Acid. Plant and Cell Physiology, 2013, 54, 1005-1015.	3.1	13
39	Accumulation of salicylic acid in tomato plant under biological stress affects oviposition preference of Bemisia tabaci. Journal of Plant Interactions, 2019, 14, 73-78.	2.1	12
40	A novel wound-responsive cis-element, VWRE, of the vascular system-specific expression of a tobacco peroxidase gene, tpoxN1. Plant Molecular Biology, 2006, 62, 753-768.	3.9	11
41	Analyses of the cisâ€Regulatory Regions Responsible for the Transcriptional Activation of the N Resistance Gene by Tobacco mosaic virus. Journal of Phytopathology, 2010, 158, 826-828.	1.0	10
42	Induced Expression of a Temperature-Sensitive Leucine-Rich Repeat Receptor-like Protein Kinase Gene by Hypersensitive Cell Death and Wounding in Tobacco Plant Carrying the N Resistance Gene. Plant and Cell Physiology, 2002, 43, 266-274.	3.1	9
43	Rapid defense gene expression in both resistant and susceptible rice cultivars by elicitor(s) originating from conidia of blast fungusâ€"Basal resistance response before fungal penetration into host cells. Physiological and Molecular Plant Pathology, 2006, 69, 13-25.	2.5	9
44	Identification of a Degradation Intermediate of the Momilactone A Rice Phytoalexin by the Rice Blast Fungus. Bioscience, Biotechnology and Biochemistry, 2012, 76, 414-416.	1.3	9
45	Expression of a gene for an MLX56 defense protein derived from mulberry latex confers strong resistance against a broad range of insect pests on transgenic tomato lines. PLoS ONE, 2021, 16, e0239958.	2.5	7
46	Evaluation of anti-herbivory genes using an Agrobacterium-mediated transient expression system. Plant Biotechnology, 2012, 29, 495-499.	1.0	6
47	DNA Elements Reducing Transcriptional Gene Silencing Revealed by a Novel Screening Strategy. PLoS ONE, 2013, 8, e54670.	2.5	4
48	Genetic studies of transgenic rice plants overproducing an antibacterial peptide show that a high level of transgene expression did not cause inferior effects on host plants. Plant Biotechnology, 2006, 23, 63-69.	1.0	3
49	Complete Genome Sequences of Two Strains of Xanthomonas campestris pv. campestris Isolated in Japan. Microbiology Resource Announcements, 2020, 9, .	0.6	2
50	Title is missing!. Kagaku To Seibutsu, 2011, 49, 226-228.	0.0	0