

Masanori Tamaoki

List of Publications by Citations

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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.

83

papers

3,424

citations

33

h-index

58

g-index

84

ext. papers

3,797

ext. citations

4.3

avg, IF

4.59

L-index

#	Paper	IF	Citations
83	Ethylene inhibits abscisic acid-induced stomatal closure in Arabidopsis. <i>Plant Physiology</i> , 2005 , 138, 2337-43	4.3	295
82	Complete genomic structure of the bloom-forming toxic cyanobacterium <i>Microcystis aeruginosa</i> NIES-843. <i>DNA Research</i> , 2007 , 14, 247-56	4.5	202
81	Spermidine synthase genes are essential for survival of Arabidopsis. <i>Plant Physiology</i> , 2004 , 135, 1565-73	3.6	181
80	Molecular mechanisms of selenium tolerance and hyperaccumulation in <i>Stanleya pinnata</i> . <i>Plant Physiology</i> , 2010 , 153, 1630-52	6.6	173
79	Cytokinin and auxin inhibit abscisic acid-induced stomatal closure by enhancing ethylene production in Arabidopsis. <i>Journal of Experimental Botany</i> , 2006 , 57, 2259-66	7	160
78	Cooperative ethylene and jasmonic acid signaling regulates selenite resistance in Arabidopsis. <i>Plant Physiology</i> , 2008 , 146, 1219-30	6.6	133
77	Transcriptome analyses give insights into selenium-stress responses and selenium tolerance mechanisms in Arabidopsis. <i>Physiologia Plantarum</i> , 2008 , 132, 236-53	4.6	119
76	DEAR1, a transcriptional repressor of DREB protein that mediates plant defense and freezing stress responses in Arabidopsis. <i>Journal of Plant Research</i> , 2009 , 122, 633-43	2.6	115
75	Alteration of hormone levels in transgenic tobacco plants overexpressing the rice homeobox gene OSH1. <i>Plant Physiology</i> , 1998 , 116, 471-6	6.6	112
74	Cytosolic dehydroascorbate reductase is important for ozone tolerance in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2006 , 47, 304-8	4.9	101
73	Light-controlled expression of a gene encoding L-galactono- γ -lactone dehydrogenase which affects ascorbate pool size in Arabidopsis thaliana. <i>Plant Science</i> , 2003 , 164, 1111-1117	5.3	100
72	Transcriptome analysis of O ₃ -exposed Arabidopsis reveals that multiple signal pathways act mutually antagonistically to induce gene expression. <i>Plant Molecular Biology</i> , 2003 , 53, 443-56	4.6	85
71	Salicylic acid accumulation under O ₃ exposure is regulated by ethylene in tobacco plants. <i>Plant and Cell Physiology</i> , 2005 , 46, 1062-72	4.9	79
70	Glycosylation of bisphenol A by freshwater microalgae. <i>Chemosphere</i> , 2007 , 69, 934-41	8.4	78
69	The Arabidopsis gene CAD1 controls programmed cell death in the plant immune system and encodes a protein containing a MACPF domain. <i>Plant and Cell Physiology</i> , 2005 , 46, 902-12	4.9	78
68	The integral membrane protein SEN1 is required for symbiotic nitrogen fixation in <i>Lotus japonicus</i> nodules. <i>Plant and Cell Physiology</i> , 2012 , 53, 225-36	4.9	76
67	Ethylene and salicylic acid control glutathione biosynthesis in ozone-exposed Arabidopsis thaliana. <i>Physiologia Plantarum</i> , 2009 , 136, 284-98	4.6	74

66	Monitoring the escape of transgenic oilseed rape around Japanese ports and roadsides. <i>Environmental Biosafety Research</i> , 2005 , 4, 217-22		73
65	Differential ozone sensitivity among Arabidopsis accessions and its relevance to ethylene synthesis. <i>Planta</i> , 2003 , 216, 552-60	4.7	66
64	Alternative RNA products from a rice homeobox gene. <i>Plant Journal</i> , 1995 , 7, 927-38	6.9	66
63	The expression of tobacco knotted1-type class 1 homeobox genes correspond to regions predicted by the cytohistological zonation model. <i>Plant Journal</i> , 1999 , 18, 337-47	6.9	65
62	The role of phytohormone signaling in ozone-induced cell death in plants. <i>Plant Signaling and Behavior</i> , 2008 , 3, 166-74	2.5	58
61	Processing of bisphenol A by plant tissues: glucosylation by cultured BY-2 cells and glucosylation/translocation by plants of <i>Nicotiana tabacum</i> . <i>Plant and Cell Physiology</i> , 2002 , 43, 1036-42	4.9	55
60	Detection of feral transgenic oilseed rape with multiple-herbicide resistance in Japan. <i>Environmental Biosafety Research</i> , 2006 , 5, 77-87		54
59	The Arabidopsis sweetie mutant is affected in carbohydrate metabolism and defective in the control of growth, development and senescence. <i>Plant Journal</i> , 2008 , 55, 665-86	6.9	53
58	Isolation of an ozone-sensitive and jasmonate-semi-insensitive Arabidopsis mutant (oji1). <i>Plant and Cell Physiology</i> , 2003 , 44, 1301-10	4.9	53
57	The conserved KNOX domain mediates specificity of tobacco KNOTTED1-type homeodomain proteins. <i>Plant Cell</i> , 1999 , 11, 1419-32	11.6	42
56	Disruption of a gene encoding C4-dicarboxylate transporter-like protein increases ozone sensitivity through deregulation of the stomatal response in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2008 , 49, 2-10	4.9	40
55	Seeds of a possible natural hybrid between herbicide-resistant Brassica napus and Brassica rapa detected on a riverbank in Japan. <i>GM Crops</i> , 2011 , 2, 201-10		38
54	Monitoring the occurrence of genetically modified oilseed rape growing along a Japanese roadside: 3-year observations. <i>Environmental Biosafety Research</i> , 2009 , 8, 33-44		37
53	Ozone-Induced Rice Grain Yield Loss Is Triggered via a Change in Panicle Morphology That Is Controlled by ABERRANT PANICLE ORGANIZATION 1 Gene. <i>PLoS ONE</i> , 2015 , 10, e0123308	3.7	36
52	Effects of environmental radiation on testes and spermatogenesis in wild large Japanese field mice (<i>Apodemus speciosus</i>) from Fukushima. <i>Scientific Reports</i> , 2016 , 6, 23601	4.9	35
51	The isochorismate pathway is negatively regulated by salicylic acid signaling in O ₃ -exposed Arabidopsis. <i>Planta</i> , 2007 , 226, 1277-85	4.7	33
50	Improvement in ozone tolerance of tobacco plants with an antisense DNA for 1-aminocyclopropane-1-carboxylate synthase. <i>Plant, Cell and Environment</i> , 2002 , 25, 727-735	8.4	32
49	A method for diagnosis of plant environmental stresses by gene expression profiling using a cDNA microarray. <i>Environmental Pollution</i> , 2004 , 131, 137-45	9.3	30

48	CDNA microarray assessment for ozone-stressed <i>Arabidopsis thaliana</i> . <i>Environmental Pollution</i> , 2002 , 117, 191-4	9.3	29
47	New insights into the roles of ethylene and jasmonic acid in the acquisition of selenium resistance in plants. <i>Plant Signaling and Behavior</i> , 2008 , 3, 865-7	2.5	28
46	Expression of genes encoding late nodulins characterized by a putative signal peptide and conserved cysteine residues is reduced in ineffective pea nodules. <i>Molecular Plant-Microbe Interactions</i> , 2002 , 15, 129-37	3.6	26
45	Two types of pea leghemoglobin genes showing different O ₂ -binding affinities and distinct patterns of spatial expression in nodules. <i>Plant Physiology</i> , 2001 , 125, 641-51	6.6	25
44	SAZ, a new SUPERMAN-like protein, negatively regulates a subset of ABA-responsive genes in <i>Arabidopsis</i> . <i>Molecular Genetics and Genomics</i> , 2008 , 279, 183-92	3.1	22
43	Rapeseed species and environmental concerns related to loss of seeds of genetically modified oilseed rape in Japan. <i>GM Crops</i> , 2010 , 1, 143-56		21
42	Effects of ozone exposure on the gene expression of ethylene biosynthetic enzymes in tomato leaves. <i>Plant Physiology and Biochemistry</i> , 2001 , 39, 993-998	5.4	18
41	Expression of nodulin genes in plant-determined ineffective nodules of pea. <i>Plant Molecular Biology</i> , 1995 , 28, 1027-38	4.6	17
40	Quantitative trait locus analyses of ozone-induced grain yield reduction in rice. <i>Environmental and Experimental Botany</i> , 2013 , 88, 100-106	5.9	14
39	An unidentified ultraviolet-B-specific photoreceptor mediates transcriptional activation of the cyclobutane pyrimidine dimer photolyase gene in plants. <i>Planta</i> , 2008 , 229, 25-36	4.7	14
38	Fixed-route monitoring and a comparative study of the occurrence of herbicide-resistant oilseed rape (<i>Brassica napus</i> L.) along a Japanese roadside. <i>GM Crops and Food</i> , 2016 , 7, 20-37	2.7	13
37	Expression and functions of myo-inositol monophosphatase family genes in seed development of <i>Arabidopsis</i> . <i>Journal of Plant Research</i> , 2011 , 124, 385-94	2.6	13
36	Expression of rice OSH1 gene is localized in developing vascular strands and its ectopic expression in transgenic rice causes altered morphology of leaf. <i>Plant Cell Reports</i> , 1995 , 14, 555-9	5.1	13
35	Compensation for lack of a cytosolic ascorbate peroxidase in an <i>Arabidopsis</i> mutant by activation of multiple antioxidative systems. <i>Plant Science</i> , 2004 , 166, 1547-1554	5.3	12
34	Molecular Mechanisms of Selenium Responses and Resistance in Plants. <i>Plant Ecophysiology</i> , 2017 , 35-51		11
33	Elevated Ozone Deteriorates Grain Quality of Japonica Rice cv. Koshihikari, Even if it Does Not Cause Yield Reduction. <i>Rice</i> , 2016 , 9, 7	5.8	11
32	The homeobox gene NTH23 of tobacco is expressed in the basal region of leaf primordia. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998 , 1399, 203-8		10
31	□□s concentrations in foliose lichens within Tsukuba-city as a reflection of radioactive fallout from the Fukushima Dai-ichi Nuclear Power Plant accident. <i>Journal of Environmental Radioactivity</i> , 2015 , 141, 38-43	2.4	9

30	Genetic Diversity of Invasive Loisel. (Poaceae) Introduced Unintentionally Into Japan and Its Invasion Pathway. <i>Frontiers in Plant Science</i> , 2020 , 11, 556039	6.2	9
29	Arabidopsis CAD1 negatively controls plant immunity mediated by both salicylic acid-dependent and -independent signaling pathways. <i>Plant Science</i> , 2008 , 175, 604-611	5.3	8
28	Ozone-Sensitive Arabidopsis Mutants with Deficiencies in Photorespiratory Enzymes. <i>Plant and Cell Physiology</i> , 2017 , 58, 914-924	4.9	7
27	Impact of sea spider parasitism on host clams: relationships between burial patterns and parasite loads, somatic condition and survival of host. <i>Hydrobiologia</i> , 2016 , 770, 15-26	2.4	7
26	Classification of the spermatogenic cycle, seasonal changes of seminiferous tubule morphology and estimation of the breeding season of the large Japanese field mouse (<i>Apodemus speciosus</i>) in Toyama and Aomori prefectures, Japan. <i>Journal of Veterinary Medical Science</i> , 2015 , 77, 799-807	1.1	6
25	Alteration of Arabidopsis SLAC1 promoter and its association with natural variation in drought tolerance. <i>Plant Signaling and Behavior</i> , 2015 , 10, e989761	2.5	5
24	Photosynthesis and growth of <i>Ulva ohnoi</i> and <i>Ulva pertusa</i> (Ulvophyceae) under high light and high temperature conditions, and implications for green tide in Japan. <i>Phycological Research</i> , 2020 , 68, 152-160	1.3	5
23	Characterization of hybrids between wild and genetically modified glyphosate-tolerant soybeans. <i>Plant Biotechnology</i> , 2013 , 30, 335-345	1.3	5
22	Comparison of Potentials of Higher Plants for Phytoremediation of Radioactive Cesium from Contaminated Soil. <i>Environmental Control in Biology</i> , 2016 , 54, 65-69	0.9	5
21	Concentration of radioactive materials in small mammals collected from a restricted area in Fukushima, Japan since 2012. <i>Ecological Research</i> , 2019 , 34, 7-7	1.9	4
20	18S analysis of the taxonomic position of an endoparasitic pycnogonid, <i>Nymphonella tapetis</i> (Arthropoda: Pycnogonida: Ascorhynchidae). <i>Journal of Crustacean Biology</i> , 2015 , 35, 491-494	0.8	4
19	Dorsoventral pattern formation of tobacco leaf involves spatial expression of a tobacco homeobox gene, NTH15.. <i>Genes and Genetic Systems</i> , 1997 , 72, 1-8	1.4	4
18	Development of visible markers for transgenic plants and their availability for environmental risk assessment. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006 , 61, 377-86	1.7	4
17	Impact of sea spider parasitism on host clams: susceptibility and intensity-dependent mortality. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2018 , 98, 735-742	1.1	3
16	Two transcripts with different sizes derived from a rice homeobox gene, OSH1. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 221, 408-13	3.4	3
15	Estimation of Dose Rate for the Large Japanese Field Mouse (<i>Apodemus speciosus</i>) Distributed in the Difficult-to-Return Zone in Fukushima Prefecture 2020 , 17-30		3
14	Abnormal cell divisions in leaf primordia caused by the expression of the rice homeobox gene. <i>Molecular Genetics and Genomics</i> , 1996 , 251, 13		3
13	O ₂ - activates leaf injury, ethylene and salicylic acid synthesis, and the expression of O ₃ -induced genes in O ₃ -exposed tobacco. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006 , 61, 856-64	1.7	2

12	High-throughput capture of nucleotide sequence polymorphisms in three Brassica species (Brassicaceae) using DNA microarrays. <i>American Journal of Botany</i> , 2012 , 99, e94-6	2.7	1
11	Genomic structure of the cucumber CPD photolyase gene. <i>OMICS A Journal of Integrative Biology</i> , 2003 , 7, 203-9	3.8	1
10	Occurrence of spilled genetically modified oilseed rape growing along a Japanese roadside over 10 years. <i>Weed Biology and Management</i> , 2020 , 20, 139-146	1.4	1
9	Untangling radiocesium dynamics of forest-stream ecosystems: A review of Fukushima studies in the decade after the accident. <i>Environmental Pollution</i> , 2021 , 288, 117744	9.3	1
8	Comparison of 0.1 M Stable CsCl and 1 M NHNO as an Extraction Reagent to Evaluate Cs-137 Mobility in Soils. <i>Analytical Sciences</i> , 2019 , 35, 153-158	1.7	0
7	Radiocesium Contamination in Wild Rodents Inhabiting Forested Areas Inside the Evacuated Area in Fukushima, Japan 2022 , 463-472		0
6	Isolation and characterization of 25 polymorphic microsatellites of the large Japanese wood mouse (<i>Apodemus speciosus</i>). <i>Conservation Genetics Resources</i> , 2013 , 5, 1001-1003	0.8	
5	Novel Marker Gene for Assessment of Behavior of Transgenic Plants in the Field. <i>Plant Biotechnology</i> , 2003 , 20, 225-227	1.3	
4	The Conserved KNOX Domain Mediates Specificity of Tobacco KNOTTED1-Type Homeodomain Proteins. <i>Plant Cell</i> , 1999 , 11, 1419	11.6	
3	Isolation of O3-response genes from <i>Arabidopsis thaliana</i> using cDNA macroarray. <i>Methods in Molecular Biology</i> , 2008 , 410, 29-42	1.4	
2	Temporal Changes in the Parasite Fauna of the Large Japanese Field Mouse <i>Apodemus speciosus</i> in the Radioactive Contaminated Zone of Fukushima. <i>Japanese Journal of Zoo and Wildlife Medicine</i> , 2021 , 26, 1-5	0.1	
1	Monitoring of radioactive cesium in wild boars captured inside the difficult-to-return zone in Fukushima Prefecture over a 5-year period.. <i>Scientific Reports</i> , 2022 , 12, 5667	4.9	