Takamasa Suzuki

List of Publications by Year
in descending order

87	4,305	136950 32	128289 60
papers	citations	h-index	g-index

95	95	95	5455
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved Gateway Binary Vectors: High-Performance Vectors for Creation of Fusion Constructs in Transgenic Analysis of Plants. Bioscience, Biotechnology and Biochemistry, 2007, 71, 2095-2100.	1.3	847
2	Transcriptional repressor PRR5 directly regulates clock-output pathways. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17123-17128.	7.1	253
3	Direct Repression of Evening Genes by CIRCADIAN CLOCK-ASSOCIATED1 in the Arabidopsis Circadian Clock. Plant Cell, 2016, 28, 696-711.	6.6	227
4	Transcriptional repression by <scp>MYB</scp> 3R proteins regulates plant organ growth. EMBO Journal, 2015, 34, 1992-2007.	7.8	128
5	Development of R4 Gateway Binary Vectors (R4pGWB) Enabling High-Throughput Promoter Swapping for Plant Research. Bioscience, Biotechnology and Biochemistry, 2008, 72, 624-629.	1.3	122
6	Mutations in MYB3R1 and MYB3R4 Cause Pleiotropic Developmental Defects and Preferential Down-Regulation of Multiple G2/M-Specific Genes in Arabidopsis Â Â. Plant Physiology, 2011, 157, 706-717.	4.8	120
7	Cell-cell adhesion in plant grafting is facilitated by Î²-1,4-glucanases. Science, 2020, 369, 698-702.	12.6	108
8	Arabidopsis thaliana NGATHA1 transcription factor induces ABA biosynthesis by activating NCED3 gene during dehydration stress. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11178-E11187.	7.1	106
9	Identification of mRNAs that Move Over Long Distances Using an RNA-Seq Analysis of Arabidopsis/Nicotiana benthamiana Heterografts. Plant and Cell Physiology, 2015, 56, 311-321.	3.1	104
10	Plant Raf-like kinases regulate the mRNA population upstream of ABA-unresponsive SnRK2 kinases under drought stress. Nature Communications, 2020, 11, 1373.	12.8	104
11	Arabidopsis TEBICHI, with Helicase and DNA Polymerase Domains, Is Required for Regulated Cell Division and Differentiation in Meristems. Plant Cell, 2006, 18, 879-892.	6.6	102
12	MYB30 links ROS signaling, root cell elongation, and plant immune responses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4710-E4719.	7.1	98
13	Plasma membrane H+-ATPase overexpression increases rice yield via simultaneous enhancement of nutrient uptake and photosynthesis. Nature Communications, 2021, 12, 735.	12.8	97
14	Casein kinase 1 family regulates PRR5 and TOC1 in the Arabidopsis circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11528-11536.	7.1	77
15	Quinone perception in plants via leucine-rich-repeat receptor-like kinases. Nature, 2020, 587, 92-97.	27.8	77
16	A novelArabidopsisgeneTONSOKUis required for proper cell arrangement in root and shoot apical meristems. Plant Journal, 2004, 38, 673-684.	5.7	76
17	H3K27me3 demethylases alter HSP22 and HSP17.6C expression in response to recurring heat in Arabidopsis. Nature Communications, 2021, 12, 3480.	12.8	68
18	Histone acetylation orchestrates wound-induced transcriptional activation and cellular reprogramming in Arabidopsis. Communications Biology, 2019, 2, 404.	4.4	65

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19	Time-Course Transcriptomics Analysis Reveals Key Responses of Submerged Deepwater Rice to Flooding. Plant Physiology, 2018, 176, 3081-3102.	4.8	64
20	NF-YB2 and NF-YB3 Have Functionally Diverged and Differentially Induce Drought and Heat Stress-Specific Genes. Plant Physiology, 2019, 180, 1677-1690.	4.8	62
21	RNA-Seq Analysis of the Response of the Halophyte, Mesembryanthemum crystallinum (Ice Plant) to High Salinity. PLoS ONE, 2015, 10, e0118339.	2.5	62
22	Posttranslational regulation of multiple clock-related transcription factors triggers cold-inducible gene expression in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	61
23	Primed histone demethylation regulates shoot regenerative competency. Nature Communications, 2019, 10, 1786.	12.8	52
24	Different DNA-binding specificities of NLP and NIN transcription factors underlie nitrate-induced control of root nodulation. Plant Cell, 2021, 33, 2340-2359.	6.6	52
25	TONSOKU is Expressed in S Phase of the Cell Cycle and its Defect Delays Cell Cycle Progression in Arabidopsis. Plant and Cell Physiology, 2005, 46, 736-742.	3.1	49
26	Abscisic acidâ€dependent histone demethylation during postgermination growth arrest in Arabidopsis. Plant, Cell and Environment, 2019, 42, 2198-2214.	5.7	46
27	Wound-inducible WUSCHEL-RELATED HOMEOBOX 13 is required for callus growth and organ reconnection. Plant Physiology, 2022, 188, 425-441.	4.8	44
28	Mechanosensory trichome cells evoke a mechanical stimuliâ€“induced immune response in Arabidopsis thaliana. Nature Communications, 2022, 13, 1216.	12.8	43
29	DREB1A/CBF3 Is Repressed by Transgene-Induced DNA Methylation in the Arabidopsis ice1-1 Mutant. Plant Cell, 2020, 32, 1035-1048.	6.6	42
30	Jasmonic acid facilitates flower opening and floral organ development through the upregulated expression of SlMYB21 transcription factor in tomato. Bioscience, Biotechnology and Biochemistry, 2018, 82, 292-303.	1.3	41
31	Suppression of MYC transcription activators by the immune cofactor NPR1 fine-tunes plant immune responses. Cell Reports, 2021, 37, 110125.	6.4	41
32	Identification of Phosphoinositide-Binding Protein PATELLIN2 as a Substrate of Arabidopsis MPK4 MAP Kinase during Septum Formation in Cytokinesis. Plant and Cell Physiology, 2016, 57, 1744-1755.	3.1	39
33	AT-Hook Transcription Factors Restrict Petiole Growth by Antagonizing PIFs. Current Biology, 2020, 30, 1454-1466.e6.	3.9	39
34	Pollen tube contents initiate ovule enlargement and enhance seed coat development without fertilization. Science Advances, 2016, 2, e1600554.	10.3	37
35	Subnuclear gene positioning through lamina association affects copper tolerance. Nature Communications, 2020, 11, 5914.	12.8	37
36	An Arabidopsis Protein with a Novel Calcium-binding Repeat Sequence Interacts with TONSOKU/MGOUN3/BRUSHY1 Involved in Meristem Maintenance. Plant and Cell Physiology, 2005, 46, 1452-1461.	3.1	35

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37	Regulation of floral meristem activity through the interaction of AGAMOUS, SUPERMAN, and CLAVATA3 in Arabidopsis. Plant Reproduction, 2018, 31, 89-105.	2.2	33
38	Characterization of somatic embryogenesis initiated from the Arabidopsis shoot apex. Developmental Biology, 2018, 442, 13-27.	2.0	33
39	High-Quality Genome Sequence of the Root-Knot Nematode Meloidogyne arenaria Genotype A2-O. Genome Announcements, 2018, 6, .	0.8	32
40	Host-parasite tissue adhesion by a secreted type of Î²-1,4-glucanase in the parasitic plant Phtheirospermum japonicum. Communications Biology, 2020, 3, 407.	4.4	29
41	Dynamics of the cell fate specifications during female gametophyte development in Arabidopsis. PLoS Biology, 2021, 19, e3001123.	5.6	26
42	A Genetic Map for the Only Self-Fertilizing Vertebrate. G3: Genes, Genomes, Genetics, 2016, 6, 1095-1106.	1.8	24
43	Auxin decreases chromatin accessibility through the TIR1/AFBs auxin signaling pathway in proliferative cells. Scientific Reports, 2018, 8, 7773.	3.3	23
44	Presynaptic MAST kinase controls opposing postsynaptic responses to convey stimulus valence in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1638-1647.	7.1	23
45	DNA methyltransferase CHROMOMETHYLASE3 prevents ONSEN transposon silencing under heat stress. PLoS Genetics, 2021, 17, e1009710.	3.5	23
46	A hierarchical transcriptional network activates specific CDK inhibitors that regulate G2 to control cell size and number in Arabidopsis. Nature Communications, 2022, 13, 1660.	12.8	22
47	Haspin has Multiple Functions in the Plant Cell Division Regulatory Network. Plant and Cell Physiology, 2016, 57, 848-861.	3.1	21
48	Nitrate transport via NRT2.1 mediates NIN-LIKE PROTEIN-dependent suppression of root nodulation in Lotus japonicus. Plant Cell, 2022, 34, 1844-1862.	6.6	21
49	Warm Temperature Promotes Shoot Regeneration in Arabidopsis thaliana. Plant and Cell Physiology, 2022, 63, 618-634.	3.1	18
50	ANAC032 regulates root growth through the MYB30 gene regulatory network. Scientific Reports, 2019, 9, 11358.	3.3	17
51	Regulation of stomatal opening and histone modification by photoperiod in Arabidopsis thaliana. Scientific Reports, 2019, 9, 10054.	3.3	16
52	Diverse panicle architecture results from various combinations of Prl5/GA20ox4 and Pbl6/APO1 alleles. Communications Biology, 2020, 3, 302.	4.4	16
53	MYB3R-mediated active repression of cell cycle and growth under salt stress in Arabidopsis thaliana. Journal of Plant Research, 2021, 134, 261-277.	2.4	16
54	Transcriptomic Analysis of Resistant and Susceptible Responses in a New Model Root-Knot Nematode Infection System Using Solanum torvum and Meloidogyne arenaria. Frontiers in Plant Science, 2021, 12, 680151.	3.6	16

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55	The 26S Proteasome Is Required for the Maintenance of Root Apical Meristem by Modulating Auxin and Cytokinin Responses Under High-Boron Stress. Frontiers in Plant Science, 2019, 10, 590.	3.6	15
56	Development of the Mitsucal computer system to identify causal mutation with a high-throughput sequencer. Plant Reproduction, 2018, 31, 117-128.	2.2	14
57	Hoxa13 regulates expression of common Hox target genes involved in cartilage development to coordinate the expansion of the autopodal anlage. Development Growth and Differentiation, 2019, 61, 228-251.	1.5	13
58	The SUMO E3 Ligase SIZ1 Negatively Regulates Shoot Regeneration. Plant Physiology, 2020, 184, 330-344.	4.8	13
59	Specification of the basal region identity after asymmetric zygotic division requires mitogen-activated protein kinase 6 in rice. Development (Cambridge), 2019, 146, .	2.5	12
60	Morphological and Physiological Framework Underlying Plant Longevity in Arabidopsis thaliana. Frontiers in Plant Science, 2020, 11, 600726.	3.6	12
61	Expression analysis of genes encoding malectin-like domain (MLD)- and leucine-rich repeat (LRR)-containing proteins in Arabidopsis thaliana. Bioscience, Biotechnology and Biochemistry, 2020, 84, 154-158.	1.3	11
62	Oral RNAi of diap1 results in rapid reduction of damage to potatoes in Henosepilachna vigintioctopunctata. Journal of Pest Science, 2021, 94, 505-515.	3.7	11
63	<i>ONSEN</i> shows different transposition activities in RdDM pathway mutants. Genes and Genetic Systems, 2020, 95, 183-190.	0.7	11
64	Discovery of the interfamily grafting capacity ofPetunia, a floricultural species. Horticulture Research, 2022, 9, .	6.3	11
65	Phosphorylation of RNA Polymerase II by CDKC;2 Maintains the Arabidopsis Circadian Clock Period. Plant and Cell Physiology, 2022, 63, 450-462.	3.1	10
66	Systemic Regulation of Iron Acquisition by Arabidopsis in Environments with Heterogeneous Iron Distributions. Plant and Cell Physiology, 2022, 63, 842-854.	3.1	10
67	AtNOT1 Is a Novel Regulator of Gene Expression during Pollen Development. Plant and Cell Physiology, 2020, 61, 712-721.	3.1	9
68	Expression profiles of genes for enzymes involved in capsidiol production in Nicotiana benthamiana. Journal of General Plant Pathology, 2020, 86, 340-349.	1.0	9
69	A guiding role of the Arabidopsis circadian clock in cell differentiation revealed by time-series single-cell RNA sequencing. Cell Reports, 2022, 40, 111059.	6.4	9
70	Shoot nitrate underlies a perception of nitrogen satiety to trigger local and systemic signaling cascades in Arabidopsis thaliana. Soil Science and Plant Nutrition, 2019, 65, 56-64.	1.9	8
71	Comprehensive analysis of the mechanisms underlying enhanced growth and root N acquisition in rice by the endophytic diazotroph, Burkholderia vietnamiensis RS1. Plant and Soil, 2020, 450, 537-555.	3.7	8
72	Sustained defense response via volatile signaling and its epigenetic transcriptional regulation. Plant Physiology, 2022, 189, 922-933.	4.8	8

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73	De novo Sequencing of Novel Mycoviruses From Fusarium sambucinum: An Attempt on Direct RNA Sequencing of Viral dsRNAs. Frontiers in Microbiology, 2021, 12, 641484.	3.5	7
74	Transcriptome Dynamics of Epidermal Reprogramming during Direct Shoot Regeneration in Torenia fournieri. Plant and Cell Physiology, 2021, 62, 1335-1354.	3.1	7
75	Nicotiana benthamiana exportin 1 is required for elicitor-induced phytoalexin production, cell death induction, and resistance against potato late blight pathogen Phytophthora infestans. Journal of General Plant Pathology, 2019, 85, 347-355.	1.0	5
76	A live imaging system to analyze spatiotemporal dynamics of RNA polymerase II modification in Arabidopsis thaliana. Communications Biology, 2021, 4, 580.	4.4	5
77	The DROL1 subunit of U5 snRNP in the spliceosome is specifically required to splice ATâ€“ACâ€type introns in Arabidopsis. Plant Journal, 2022, 109, 633-648.	5.7	5
78	Epigenetic regulation of ecotype-specific expression of the heat-activated transposon ONSEN. Frontiers in Plant Science, 0, 13, .	3.6	5
79	DRD1, a SWI/SNF-like chromatin remodeling protein, regulates a heat-activated transposon in <i>Arabidopsis thaliana</i>. Genes and Genetic Systems, 2021, 96, 151-158.	0.7	4
80	Root-specific Reduction of Cytokinin Perception Enhances Shoot Growth in Arabidopsis thaliana. Plant and Cell Physiology, 2022, 63, 484-493.	3.1	4
81	Translational Landscape of a C4 Plant, Sorghum bicolor, Under Normal and Sulfur-Deficient Conditions. Plant and Cell Physiology, 2022, 63, 592-604.	3.1	4
82	Root-specific activation of plasma membrane H+-ATPase 1 enhances plant growth and shoot accumulation of nutrient elements under nutrient-poor conditions in Arabidopsis thaliana. Biochemical and Biophysical Research Communications, 2022, 621, 39-45.	2.1	4
83	Genome-wide responses to shoot nitrate satiety are attenuated by external ammonium in Arabidopsis thaliana. Soil Science and Plant Nutrition, 2020, 66, 317-327.	1.9	3
84	Production of Agrocinopine A by Ipomoea batatas Agrocinopine Synthase in Transgenic Tobacco and Its Effect on the Rhizosphere Microbial Community. Molecular Plant-Microbe Interactions, 2022, 35, 73-84.	2.6	3
85	Sulfanilamide Regulates Flowering Time through Expression of the Circadian Clock Gene LUX. Plant and Cell Physiology, 2022, , .	3.1	3
86	Identification of Abscisic Acid-Dependent Phosphorylated Basic Helix-Loop-Helix Transcription Factors in Guard Cells of Vicia faba by Mass Spectrometry. Frontiers in Plant Science, 2021, 12, 735271.	3.6	3
87	Draft Genome Sequence of Ralstonia sp. Strain SET104, Isolated from Root Nodules of Aeschynomene indica. Microbiology Resource Announcements, 2019, 8, .	0.6	1