

Takamasa Suzuki

List of Publications by Year in descending order

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87
papers

4,305
citations

136740

32
h-index

128067

60
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95
all docs

95
docs citations

95
times ranked

5455
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Gateway Binary Vectors: High-Performance Vectors for Creation of Fusion Constructs in Transgenic Analysis of Plants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2095-2100.	0.6	847
2	Transcriptional repressor PRR5 directly regulates clock-output pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17123-17128.	3.3	253
3	Direct Repression of Evening Genes by CIRCADIAN CLOCK-ASSOCIATED1 in the Arabidopsis Circadian Clock. <i>Plant Cell</i> , 2016, 28, 696-711.	3.1	227
4	Transcriptional repression by MYB 3R proteins regulates plant organ growth. <i>EMBO Journal</i> , 2015, 34, 1992-2007.	3.5	128
5	Development of R4 Gateway Binary Vectors (R4pGWB) Enabling High-Throughput Promoter Swapping for Plant Research. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 624-629.	0.6	122
6	Mutations in MYB3R1 and MYB3R4 Cause Pleiotropic Developmental Defects and Preferential Down-Regulation of Multiple G2/M-Specific Genes in Arabidopsis. <i>Plant Physiology</i> , 2011, 157, 706-717.	2.3	120
7	Cell-cell adhesion in plant grafting is facilitated by Î²-1,4-glucanases. <i>Science</i> , 2020, 369, 698-702.	6.0	108
8	Arabidopsis thaliana NGATHA1 transcription factor induces ABA biosynthesis by activating NCED3 gene during dehydration stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11178-E11187.	3.3	106
9	Identification of mRNAs that Move Over Long Distances Using an RNA-Seq Analysis of Arabidopsis/Nicotiana benthamiana Heterografts. <i>Plant and Cell Physiology</i> , 2015, 56, 311-321.	1.5	104
10	Plant Raf-like kinases regulate the mRNA population upstream of ABA-unresponsive SnRK2 kinases under drought stress. <i>Nature Communications</i> , 2020, 11, 1373.	5.8	104
11	Arabidopsis TEBICHI, with Helicase and DNA Polymerase Domains, Is Required for Regulated Cell Division and Differentiation in Meristems. <i>Plant Cell</i> , 2006, 18, 879-892.	3.1	102
12	MYB30 links ROS signaling, root cell elongation, and plant immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4710-E4719.	3.3	98
13	Plasma membrane H ⁺ -ATPase overexpression increases rice yield via simultaneous enhancement of nutrient uptake and photosynthesis. <i>Nature Communications</i> , 2021, 12, 735.	5.8	97
14	Casein kinase 1 family regulates PRR5 and TOC1 in the Arabidopsis circadian clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11528-11536.	3.3	77
15	Quinone perception in plants via leucine-rich-repeat receptor-like kinases. <i>Nature</i> , 2020, 587, 92-97.	13.7	77
16	A novel Arabidopsis gene TONSOKU is required for proper cell arrangement in root and shoot apical meristems. <i>Plant Journal</i> , 2004, 38, 673-684.	2.8	76
17	H3K27me3 demethylases alter HSP22 and HSP17.6C expression in response to recurring heat in Arabidopsis. <i>Nature Communications</i> , 2021, 12, 3480.	5.8	68
18	Histone acetylation orchestrates wound-induced transcriptional activation and cellular reprogramming in Arabidopsis. <i>Communications Biology</i> , 2019, 2, 404.	2.0	65

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19	Time-Course Transcriptomics Analysis Reveals Key Responses of Submerged Deepwater Rice to Flooding. <i>Plant Physiology</i> , 2018, 176, 3081-3102.	2.3	64
20	NF-YB2 and NF-YB3 Have Functionally Diverged and Differentially Induce Drought and Heat Stress-Specific Genes. <i>Plant Physiology</i> , 2019, 180, 1677-1690.	2.3	62
21	RNA-Seq Analysis of the Response of the Halophyte, <i>Mesembryanthemum crystallinum</i> (Ice Plant) to High Salinity. <i>PLoS ONE</i> , 2015, 10, e0118339.	1.1	62
22	Posttranslational regulation of multiple clock-related transcription factors triggers cold-inducible gene expression in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	61
23	Primed histone demethylation regulates shoot regenerative competency. <i>Nature Communications</i> , 2019, 10, 1786.	5.8	52
24	Different DNA-binding specificities of NLP and NIN transcription factors underlie nitrate-induced control of root nodulation. <i>Plant Cell</i> , 2021, 33, 2340-2359.	3.1	52
25	TONSOKU is Expressed in S Phase of the Cell Cycle and its Defect Delays Cell Cycle Progression in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2005, 46, 736-742.	1.5	49
26	Abscisic acid-dependent histone demethylation during postgermination growth arrest in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 2198-2214.	2.8	46
27	Wound-inducible WUSCHEL-RELATED HOMEBOX 13 is required for callus growth and organ reconnection. <i>Plant Physiology</i> , 2022, 188, 425-441.	2.3	44
28	Mechanosensory trichome cells evoke a mechanical stimuli-induced immune response in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2022, 13, 1216.	5.8	43
29	<i>DREB1A/CBF3</i> Is Repressed by Transgene-Induced DNA Methylation in the <i>Arabidopsis ice1-1</i> Mutant. <i>Plant Cell</i> , 2020, 32, 1035-1048.	3.1	42
30	Jasmonic acid facilitates flower opening and floral organ development through the upregulated expression of <i>SLMYB21</i> transcription factor in tomato. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 292-303.	0.6	41
31	Suppression of MYC transcription activators by the immune cofactor NPR1 fine-tunes plant immune responses. <i>Cell Reports</i> , 2021, 37, 110125.	2.9	41
32	Identification of Phosphoinositide-Binding Protein PATELLIN2 as a Substrate of <i>Arabidopsis</i> MPK4 MAP Kinase during Septum Formation in Cytokinesis. <i>Plant and Cell Physiology</i> , 2016, 57, 1744-1755.	1.5	39
33	AT-Hook Transcription Factors Restrict Petiole Growth by Antagonizing PIFs. <i>Current Biology</i> , 2020, 30, 1454-1466.e6.	1.8	39
34	Pollen tube contents initiate ovule enlargement and enhance seed coat development without fertilization. <i>Science Advances</i> , 2016, 2, e1600554.	4.7	37
35	Subnuclear gene positioning through lamina association affects copper tolerance. <i>Nature Communications</i> , 2020, 11, 5914.	5.8	37
36	An <i>Arabidopsis</i> Protein with a Novel Calcium-binding Repeat Sequence Interacts with TONSOKU/MGOUN3/BRUSHY1 Involved in Meristem Maintenance. <i>Plant and Cell Physiology</i> , 2005, 46, 1452-1461.	1.5	35

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37	Regulation of floral meristem activity through the interaction of AGAMOUS, SUPERMAN, and CLAVATA3 in Arabidopsis. <i>Plant Reproduction</i> , 2018, 31, 89-105.	1.3	33
38	Characterization of somatic embryogenesis initiated from the Arabidopsis shoot apex. <i>Developmental Biology</i> , 2018, 442, 13-27.	0.9	33
39	High-Quality Genome Sequence of the Root-Knot Nematode <i>Meloidogyne arenaria</i> Genotype A2-O. <i>Genome Announcements</i> , 2018, 6, .	0.8	32
40	Host-parasite tissue adhesion by a secreted type of Î²-1,4-glucanase in the parasitic plant <i>Phtheirospermum japonicum</i> . <i>Communications Biology</i> , 2020, 3, 407.	2.0	29
41	Dynamics of the cell fate specifications during female gametophyte development in Arabidopsis. <i>PLoS Biology</i> , 2021, 19, e3001123.	2.6	26
42	A Genetic Map for the Only Self-Fertilizing Vertebrate. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1095-1106.	0.8	24
43	Auxin decreases chromatin accessibility through the TIR1/AFBs auxin signaling pathway in proliferative cells. <i>Scientific Reports</i> , 2018, 8, 7773.	1.6	23
44	Presynaptic MAST kinase controls opposing postsynaptic responses to convey stimulus valence in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1638-1647.	3.3	23
45	DNA methyltransferase CHROMOMETHYLASE3 prevents ONSEN transposon silencing under heat stress. <i>PLoS Genetics</i> , 2021, 17, e1009710.	1.5	23
46	A hierarchical transcriptional network activates specific CDK inhibitors that regulate G2 to control cell size and number in Arabidopsis. <i>Nature Communications</i> , 2022, 13, 1660.	5.8	22
47	Haspin has Multiple Functions in the Plant Cell Division Regulatory Network. <i>Plant and Cell Physiology</i> , 2016, 57, 848-861.	1.5	21
48	Nitrate transport via NRT2.1 mediates NIN-LIKE PROTEIN-dependent suppression of root nodulation in <i>Lotus japonicus</i> . <i>Plant Cell</i> , 2022, 34, 1844-1862.	3.1	21
49	Warm Temperature Promotes Shoot Regeneration in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2022, 63, 618-634.	1.5	18
50	ANAC032 regulates root growth through the MYB30 gene regulatory network. <i>Scientific Reports</i> , 2019, 9, 11358.	1.6	17
51	Regulation of stomatal opening and histone modification by photoperiod in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2019, 9, 10054.	1.6	16
52	Diverse panicle architecture results from various combinations of Prl5/GA2Ox4 and Pbl6/APO1 alleles. <i>Communications Biology</i> , 2020, 3, 302.	2.0	16
53	MYB3R-mediated active repression of cell cycle and growth under salt stress in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2021, 134, 261-277.	1.2	16
54	Transcriptomic Analysis of Resistant and Susceptible Responses in a New Model Root-Knot Nematode Infection System Using <i>Solanum torvum</i> and <i>Meloidogyne arenaria</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 680151.	1.7	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. <i>Frontiers in Plant Science</i> , 2019, 10, 590.	1.7	15
56	Development of the Mitsugal computer system to identify causal mutation with a high-throughput sequencer. <i>Plant Reproduction</i> , 2018, 31, 117-128.	1.3	14
57	<i>Hoxa13</i> regulates expression of common <i>Hox</i> target genes involved in cartilage development to coordinate the expansion of the autopodal anlage. <i>Development Growth and Differentiation</i> , 2019, 61, 228-251.	0.6	13
58	The SUMO E3 Ligase SIZ1 Negatively Regulates Shoot Regeneration. <i>Plant Physiology</i> , 2020, 184, 330-344.	2.3	13
59	Specification of the basal region identity after asymmetric zygotic division requires mitogen-activated protein kinase 6 in rice. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	12
60	Morphological and Physiological Framework Underlying Plant Longevity in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 600726.	1.7	12
61	Expression analysis of genes encoding malectin-like domain (MLD)- and leucine-rich repeat (LRR)-containing proteins in <i>Arabidopsis thaliana</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 154-158.	0.6	11
62	Oral RNAi of diap1 results in rapid reduction of damage to potatoes in <i>Henosepilachna vigintioctopunctata</i> . <i>Journal of Pest Science</i> , 2021, 94, 505-515.	1.9	11
63	<i>ONSEN</i> shows different transposition activities in RdDM pathway mutants. <i>Genes and Genetic Systems</i> , 2020, 95, 183-190.	0.2	11
64	Discovery of the interfamily grafting capacity of <i>Petunia</i> , a floricultural species. <i>Horticulture Research</i> , 2022, 9, .	2.9	11
65	Phosphorylation of RNA Polymerase II by CDKC;2 Maintains the Arabidopsis Circadian Clock Period. <i>Plant and Cell Physiology</i> , 2022, 63, 450-462.	1.5	10
66	Systemic Regulation of Iron Acquisition by <i>Arabidopsis</i> in Environments with Heterogeneous Iron Distributions. <i>Plant and Cell Physiology</i> , 2022, 63, 842-854.	1.5	10
67	AtNOT1 Is a Novel Regulator of Gene Expression during Pollen Development. <i>Plant and Cell Physiology</i> , 2020, 61, 712-721.	1.5	9
68	Expression profiles of genes for enzymes involved in capsidiol production in <i>Nicotiana benthamiana</i> . <i>Journal of General Plant Pathology</i> , 2020, 86, 340-349.	0.6	9
69	A guiding role of the Arabidopsis circadian clock in cell differentiation revealed by time-series single-cell RNA sequencing. <i>Cell Reports</i> , 2022, 40, 111059.	2.9	9
70	Shoot nitrate underlies a perception of nitrogen satiety to trigger local and systemic signaling cascades in <i>Arabidopsis thaliana</i> . <i>Soil Science and Plant Nutrition</i> , 2019, 65, 56-64.	0.8	8
71	Comprehensive analysis of the mechanisms underlying enhanced growth and root N acquisition in rice by the endophytic diazotroph, <i>Burkholderia vietnamiensis</i> RS1. <i>Plant and Soil</i> , 2020, 450, 537-555.	1.8	8
72	Sustained defense response via volatile signaling and its epigenetic transcriptional regulation. <i>Plant Physiology</i> , 2022, 189, 922-933.	2.3	8

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73	De novo Sequencing of Novel Mycoviruses From <i>Fusarium sambucinum</i> : An Attempt on Direct RNA Sequencing of Viral dsRNAs. <i>Frontiers in Microbiology</i> , 2021, 12, 641484.	1.5	7
74	Transcriptome Dynamics of Epidermal Reprogramming during Direct Shoot Regeneration in <i>Torenia fournieri</i> . <i>Plant and Cell Physiology</i> , 2021, 62, 1335-1354.	1.5	7
75	<i>Nicotiana benthamiana</i> exportin 1 is required for elicitor-induced phytoalexin production, cell death induction, and resistance against potato late blight pathogen <i>Phytophthora infestans</i> . <i>Journal of General Plant Pathology</i> , 2019, 85, 347-355.	0.6	5
76	A live imaging system to analyze spatiotemporal dynamics of RNA polymerase II modification in <i>Arabidopsis thaliana</i> . <i>Communications Biology</i> , 2021, 4, 580.	2.0	5
77	The <i>DROL1</i> subunit of U5 snRNP in the spliceosome is specifically required to splice AT-AC type introns in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2022, 109, 633-648.	2.8	5
78	Epigenetic regulation of ecotype-specific expression of the heat-activated transposon ONSEN. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
79	DRD1, a SWI/SNF-like chromatin remodeling protein, regulates a heat-activated transposon in <i>Arabidopsis thaliana</i> . <i>Genes and Genetic Systems</i> , 2021, 96, 151-158.	0.2	4
80	Root-specific Reduction of Cytokinin Perception Enhances Shoot Growth in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2022, 63, 484-493.	1.5	4
81	Translational Landscape of a C4 Plant, <i>Sorghum bicolor</i> , Under Normal and Sulfur-Deficient Conditions. <i>Plant and Cell Physiology</i> , 2022, 63, 592-604.	1.5	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 <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2022, 621, 39-45.	1.0	4
83	Genome-wide responses to shoot nitrate satiety are attenuated by external ammonium in <i>Arabidopsis thaliana</i> . <i>Soil Science and Plant Nutrition</i> , 2020, 66, 317-327.	0.8	3
84	Production of Agrocinopine A by <i>Ipomoea batatas</i> Agrocinopine Synthase in Transgenic Tobacco and Its Effect on the Rhizosphere Microbial Community. <i>Molecular Plant-Microbe Interactions</i> , 2022, 35, 73-84.	1.4	3
85	Sulfanilamide Regulates Flowering Time through Expression of the Circadian Clock Gene <i>LUX</i> . <i>Plant and Cell Physiology</i> , 2022, , .	1.5	3
86	Identification of Abscisic Acid-Dependent Phosphorylated Basic Helix-Loop-Helix Transcription Factors in Guard Cells of <i>Vicia faba</i> by Mass Spectrometry. <i>Frontiers in Plant Science</i> , 2021, 12, 735271.	1.7	3
87	Draft Genome Sequence of <i>Ralstonia</i> sp. Strain SET104, Isolated from Root Nodules of <i>Aeschynomene indica</i> . <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	1