

Taku Demura

List of Publications by Year in descending order

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158
papers

10,642
citations

47006

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179
all docs

179
docs citations

179
times ranked

9687
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant secondary cell wall proteome analysis with an inducible system for xylem vessel cell differentiation. <i>Development Growth and Differentiation</i> , 2022, 64, 5-15.	1.5	5
2	Enhancement of Secondary Cell Wall Formation in Poplar Xylem Using a Self-Reinforced System of Secondary Cell Wall-Related Transcription Factors. <i>Frontiers in Plant Science</i> , 2022, 13, 819360.	3.6	6
3	VND-INTERACTING2 effectively inhibits transcriptional activities of VASCULAR-RELATED NAC-DOMAIN7 through a conserved sequence. <i>Plant Biotechnology</i> , 2022, 39, 147-153.	1.0	1
4	Changes in mRNA Degradation Efficiencies under Varying Conditions Are Regulated by Multiple Determinants in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2021, 62, 143-155.	3.1	2
5	Long-term single-cell imaging and simulations of microtubules reveal principles behind wall patterning during proto-xylem development. <i>Nature Communications</i> , 2021, 12, 669.	12.8	26
6	Reduction in organ friction is critical for corolla elongation in morning glory. <i>Communications Biology</i> , 2021, 4, 285.	4.4	2
7	Expression of peat moss VASCULAR RELATED NAC-DOMAIN homologs in <i>Nicotiana benthamiana</i> leaf cells induces ectopic secondary wall formation. <i>Plant Molecular Biology</i> , 2021, 106, 309-317.	3.9	7
8	Functional Analysis of Poplar Sombrero-Type NAC Transcription Factors Yields a Strategy to Modify Woody Cell Wall Properties. <i>Plant and Cell Physiology</i> , 2021, 62, 1963-1974.	3.1	8
9	Feature selection for RNA cleavage efficiency at specific sites using the LASSO regression model in <i>Arabidopsis thaliana</i> . <i>BMC Bioinformatics</i> , 2021, 22, 380.	2.6	12
10	Calcium signaling contributes to xylem vessel cell differentiation via post-transcriptional regulation of VND7 downstream events. <i>Plant Biotechnology</i> , 2021, 38, 331-337.	1.0	4
11	Subtilase activity in intrusive cells mediates haustorium maturation in parasitic plants. <i>Plant Physiology</i> , 2021, 185, 1381-1394.	4.8	21
12	An <i>Arabidopsis</i> NAC domain transcriptional activator VND7 negatively regulates <i>VNI2</i> expression. <i>Plant Biotechnology</i> , 2021, 38, 415-420.	1.0	4
13	Histone Deacetylation Controls Xylem Vessel Cell Differentiation via Transcriptional Regulation of a Transcription Repressor Complex OFP1/MYB75/KNAT7/BLH6. <i>Frontiers in Plant Science</i> , 2021, 12, 825810.	3.6	3
14	The Mechanics and Biology of Plant Cell Walls: Resilience and Sustainability for Our Future Society. <i>Plant and Cell Physiology</i> , 2021, 62, 1787-1790.	3.1	1
15	<i>Arabidopsis</i> FLYING SAUCER 2 Functions Redundantly with FLY1 to Establish Normal Seed Coat Mucilage. <i>Plant and Cell Physiology</i> , 2020, 61, 308-317.	3.1	9
16	Different Plant Species Have Common Sequence Features Related to mRNA Degradation Intermediates. <i>Plant and Cell Physiology</i> , 2020, 61, 53-63.	3.1	8
17	The Progression of Xylem Vessel Cell Differentiation is Dependent on the Activity Level of VND7 in <i>Arabidopsis thaliana</i> . <i>Plants</i> , 2020, 9, 39.	3.5	7
18	Involvement of VNS NAC-domain transcription factors in tracheid formation in <i>Pinus taeda</i> . <i>Tree Physiology</i> , 2020, 40, 704-716.	3.1	20

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19	Plant-specific Dof transcription factors VASCULAR-RELATED DOF1 and VASCULAR-RELATED DOF2 regulate vascular cell differentiation and lignin biosynthesis in Arabidopsis. <i>Plant Molecular Biology</i> , 2020, 104, 263-281.	3.9	14
20	Photoinjection of fluorescent nanoparticles into intact plant cells using femtosecond laser amplifier. <i>APL Photonics</i> , 2020, 5, 066104.	5.7	5
21	Structure and Biomechanics during Xylem Vessel Transdifferentiation in Arabidopsis thaliana. <i>Plants</i> , 2020, 9, 1715.	3.5	7
22	Hechtian Strands Transmit Cell Wall Integrity Signals in Plant Cells. <i>Plants</i> , 2020, 9, 604.	3.5	11
23	Interspecific Signaling Between the Parasitic Plant and the Host Plants Regulate Xylem Vessel Cell Differentiation in Haustoria of Cuscuta campestris. <i>Frontiers in Plant Science</i> , 2020, 11, 193.	3.6	18
24	Impact of abiotic stress on the regulation of cell wall biosynthesis in <i>Populus trichocarpa</i> . <i>Plant Biotechnology</i> , 2020, 37, 273-283.	1.0	27
25	Isolation of dominant Arabidopsis mutants defective in VND7-induced xylem vessel cell differentiation. <i>Plant Biotechnology</i> , 2020, 37, 311-318.	1.0	1
26	Influence of osmotic condition on secondary cell wall formation of xylem vessel cells induced by the master transcription factor VND7. <i>Plant Biotechnology</i> , 2020, 37, 465-469.	1.0	2
27	A mathematical model explores the contributions of bending and stretching forces to shoot gravitropism in Arabidopsis. <i>Quantitative Plant Biology</i> , 2020, 1, .	2.0	4
28	Direct observation of nanoparticle diffusion in cytoplasm of single plant cells realized by photoinjection with femtosecond laser amplifier. <i>Applied Physics Express</i> , 2020, 13, 117002.	2.4	1
29	Nonsense-Mediated mRNA Decay Deficiency Affects the Auxin Response and Shoot Regeneration in Arabidopsis. <i>Plant and Cell Physiology</i> , 2019, 60, 2000-2014.	3.1	9
30	Affinity-based high-resolution analysis of DNA binding by VASCULAR-RELATED NAC-DOMAIN7 via fluorescence correlation spectroscopy. <i>Plant Journal</i> , 2019, 100, 298-313.	5.7	8
31	Genome Sequence of Striga asiatica Provides Insight into the Evolution of Plant Parasitism. <i>Current Biology</i> , 2019, 29, 3041-3052.e4.	3.9	109
32	The Structural Integrity of Lignin Is Crucial for Resistance against <i>Striga hermonthica</i> Parasitism in Rice. <i>Plant Physiology</i> , 2019, 179, 1796-1809.	4.8	60
33	Creating vessel elements in vitro: Towards a comprehensive understanding of the molecular basis of xylem vessel element differentiation. <i>Plant Biotechnology</i> , 2019, 36, 1-6.	1.0	9
34	Single-cell transcriptome analysis of Physcomitrella leaf cells during reprogramming using microcapillary manipulation. <i>Nucleic Acids Research</i> , 2019, 47, 4539-4553.	14.5	39
35	Enzyme-Assisted Photoinjection of Megadalton Molecules into Intact Plant Cells Using Femtosecond Laser Amplifier. <i>Scientific Reports</i> , 2019, 9, 17530.	3.3	11
36	Arabidopsis Group III ERG proteins positively regulate primary cell wall-type CESA genes. <i>Journal of Plant Research</i> , 2019, 132, 117-129.	2.4	30

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37	The quest for transcriptional hubs of lignin biosynthesis: beyond the NAC-MYB-gene regulatory network model. <i>Current Opinion in Biotechnology</i> , 2019, 56, 82-87.	6.6	124
38	Evidence that thiol-based redox state is critical for xylem vessel cell differentiation. <i>Plant Signaling and Behavior</i> , 2018, 13, e1428512.	2.4	9
39	Comprehensive analysis of mRNA internal cleavage sites in <i>Arabidopsis thaliana</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 723-728.	2.2	8
40	Protein S-Nitrosylation Regulates Xylem Vessel Cell Differentiation in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 17-29.	3.1	48
41	<i>Arabidopsis thaliana</i> cold-regulated 47 gene 5'UTR-untranslated region enables stable high-level expression of transgenes. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 124-130.	2.2	16
42	Transcription Factors VND1-VND3 Contribute to Cotyledon Xylem Vessel Formation. <i>Plant Physiology</i> , 2018, 176, 773-789.	4.8	76
43	Identification of 5'UTR-untranslated regions that function as effective translational enhancers in monocotyledonous plant cells using a novel method of genome-wide analysis. <i>Plant Biotechnology</i> , 2018, 35, 365-373.	1.0	5
44	Patterned Deposition of Xylan and Lignin is Independent from that of the Secondary Wall Cellulose of <i>Arabidopsis</i> Xylem Vessels. <i>Plant Cell</i> , 2018, 30, 2663-2676.	6.6	34
45	OLIGOCELLULA1/HIGH EXPRESSION OF OSMOTICALLY RESPONSIVE GENES15 Promotes Cell Proliferation With HISTONE DEACETYLASE9 and POWERDRESS During Leaf Development in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 580.	3.6	30
46	FPX is a Novel Chemical Inducer that Promotes Callus Formation and Shoot Regeneration in Plants. <i>Plant and Cell Physiology</i> , 2018, 59, 1555-1567.	3.1	26
47	Library screening of cell-penetrating peptide for BY-2 cells, leaves of <i>Arabidopsis</i> , tobacco, tomato, poplar, and rice callus. <i>Scientific Reports</i> , 2018, 8, 10966.	3.3	52
48	Proteomic analysis of xylem vessel cell differentiation in VND7-inducible tobacco BY-2 cells by two-dimensional gel electrophoresis. <i>Plant Biotechnology</i> , 2018, 35, 31-37.	1.0	11
49	Evolution of Conducting Cells in Plants; a Perspective from Key Transcription Factors of Conducting Cell Differentiation: From Recent Studies on Master Regulatory Transcription Factors for the Differentiation of Tracheary Elements and Sieve Element. <i>Kagaku To Seibutsu</i> , 2018, 56, 353-363.	0.0	0
50	Chloroplastic <i>scp</i> ATP synthase builds up a proton motive force preventing production of reactive oxygen species in photosystem I. <i>Plant Journal</i> , 2017, 91, 306-324.	5.7	96
51	Enhancement of abiotic stress tolerance in poplar by overexpression of key <i>Arabidopsis</i> stress response genes, AtSRK2C and AtGOLS2. <i>Molecular Breeding</i> , 2017, 37, 1.	2.1	14
52	Differential expression of poplar sucrose nonfermenting1-related protein kinase 2 genes in response to abiotic stress and abscisic acid. <i>Journal of Plant Research</i> , 2017, 130, 929-940.	2.4	10
53	Double-stranded RNA-binding protein DRB3 negatively regulates anthocyanin biosynthesis by modulating PAP1 expression in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2017, 130, 45-55.	2.4	9
54	Evolution of plant conducting cells: perspectives from key regulators of vascular cell differentiation. <i>Journal of Experimental Botany</i> , 2017, 68, 17-26.	4.8	48

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55	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017, 171, 287-304.e15.	28.9	973
56	Characterization of xylan in the early stages of secondary cell wall formation in tobacco bright yellow-2 cells. <i>Carbohydrate Polymers</i> , 2017, 176, 381-391.	10.2	7
57	The Next Generation of Training for Arabidopsis Researchers: Bioinformatics and Quantitative Biology. <i>Plant Physiology</i> , 2017, 175, 1499-1509.	4.8	11
58	Root-Knot and Cyst Nematodes Activate Procambium-Associated Genes in Arabidopsis Roots. <i>Frontiers in Plant Science</i> , 2017, 8, 1195.	3.6	46
59	Identification of novel factors that increase enzymatic saccharification efficiency in Arabidopsis wood cells. <i>Plant Biotechnology</i> , 2017, 34, 203-206.	1.0	13
60	Heterologous Overexpression of Poplar SnRK2 Genes Enhanced Salt Stress Tolerance in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2016, 7, 612.	3.6	49
61	Loss of Inositol Phosphorylceramide Sphingolipid Mannosylation Induces Plant Immune Responses and Reduces Cellulose Content in Arabidopsis. <i>Plant Cell</i> , 2016, 28, 2991-3004.	6.6	71
62	Primary Metabolism during Biosynthesis of Secondary Wall Polymers of Protoxylem Vessel Elements. <i>Plant Physiology</i> , 2016, 172, 1612-1624.	4.8	48
63	A Transcriptional and Metabolic Framework for Secondary Wall Formation in Arabidopsis. <i>Plant Physiology</i> , 2016, 172, pp.01100.2016.	4.8	57
64	Modification of plant cell wall structure accompanied by enhancement of saccharification efficiency using a chemical, lasalocid sodium. <i>Scientific Reports</i> , 2016, 6, 34602.	3.3	15
65	Affinity Purification and Characterization of Functional Tubulin from Cell Suspension Cultures of Arabidopsis and Tobacco. <i>Plant Physiology</i> , 2016, 170, 1189-1205.	4.8	30
66	Multidimensional High-Resolution Magic Angle Spinning and Solution-State NMR Characterization of ¹³ C-labeled Plant Metabolites and Lignocellulose. <i>Scientific Reports</i> , 2015, 5, 11848.	3.3	42
67	Arabidopsis NAC domain proteins VND-INTERACTING1 and ANAC103 interact with multiple NAC domain proteins. <i>Plant Biotechnology</i> , 2015, 32, 119-123.	1.0	11
68	Possible contribution of TED6 and TED7, secondary cell wall-related membrane proteins, to evolution of tracheary element in angiosperm lineage. <i>Plant Biotechnology</i> , 2015, 32, 343-347.	1.0	10
69	Physical interaction between SnRK2 and PP2C is conserved in <i>Populus trichocarpa</i> . <i>Plant Biotechnology</i> , 2015, 32, 337-341.	1.0	14
70	Transcriptional repression by MYB 3R proteins regulates plant organ growth. <i>EMBO Journal</i> , 2015, 34, 1992-2007.	7.8	128
71	Cell dedifferentiation and organogenesis in vitro require more snRNA than does seedling development in Arabidopsis thaliana. <i>Journal of Plant Research</i> , 2015, 128, 371-380.	2.4	10
72	Editorial: An Emerging View of Plant Cell Walls as an Apoplastic Intelligent System. <i>Plant and Cell Physiology</i> , 2015, 56, 177-179.	3.1	18

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73	Changes in Polysome Association of mRNA Throughout Growth and Development in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2015, 56, pcv133.	3.1	23
74	Multiple Classes of Transcription Factors Regulate the Expression of VASCULAR-RELATED NAC-DOMAIN7, a Master Switch of Xylem Vessel Differentiation. <i>Plant and Cell Physiology</i> , 2015, 56, 242-254.	3.1	149
75	Local gene silencing in plants via synthetic dsRNA and carrier peptide. <i>Plant Biotechnology Journal</i> , 2014, 12, 1027-1034.	8.3	129
76	Laccases Direct Lignification in the Discrete Secondary Cell Wall Domains of Protoxylem. <i>Plant Physiology</i> , 2014, 166, 798-807.	4.8	203
77	Tracheary element differentiation. <i>Plant Biotechnology Reports</i> , 2014, 8, 17-21.	1.5	12
78	Overexpression of PtSOS2 Enhances Salt Tolerance in Transgenic Poplars. <i>Plant Molecular Biology Reporter</i> , 2014, 32, 185-197.	1.8	60
79	Contribution of NAC Transcription Factors to Plant Adaptation to Land. <i>Science</i> , 2014, 343, 1505-1508.	12.6	222
80	Responses of <i>Populus trichocarpa</i> galactinol synthase genes to abiotic stresses. <i>Journal of Plant Research</i> , 2014, 127, 347-358.	2.4	38
81	Efficient transgene expression by alleviation of translational repression in plant cells. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 434-440.	2.2	4
82	Secondary cell wall characterization in a BY-2 inductive system. <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 115, 223-232.	2.3	11
83	<i>Arabidopsis</i> ROOT INITIATION DEFECTIVE1, a DEAH-Box RNA Helicase Involved in Pre-mRNA Splicing, Is Essential for Plant Development. <i>Plant Cell</i> , 2013, 25, 2056-2069.	6.6	75
84	Synthesis of poly- and oligo(hydroxyalkanoate)s by deep-sea bacteria, <i>Colwellia</i> spp., <i>Moritella</i> spp., and <i>Shewanella</i> spp. <i>Polymer Journal</i> , 2013, 45, 1094-1100.	2.7	28
85	The ATM-Dependent DNA Damage Response Acts as an Upstream Trigger for Compensation in the <i>fas1</i> Mutation during <i>Arabidopsis</i> Leaf Development. <i>Plant Physiology</i> , 2013, 162, 831-841.	4.8	38
86	A Computational and Experimental Approach Reveals that the 5'-Proximal Region of the 5'-UTR has a Cis-Regulatory Signature Responsible for Heat Stress-Regulated mRNA Translation in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2013, 54, 474-483.	3.1	44
87	Biosynthesis of Polyhydroxyalkanoate by a Marine Bacterium <i>Vibrio</i> sp. Strain Using Sugars, Plant Oil, and Unsaturated Fatty Acids as Sole Carbon Sources. <i>ACS Symposium Series</i> , 2013, , 211-221.	0.5	0
88	ATL54, a RING-H2 domain protein selected by a gene co-expression network analysis, is associated with secondary cell wall formation in <i>Arabidopsis</i> . <i>Plant Biotechnology</i> , 2013, 30, 169-177.	1.0	12
89	ATL54, a ubiquitin ligase gene related to secondary cell wall formation, is transcriptionally regulated by MYB46. <i>Plant Biotechnology</i> , 2013, 30, 503-509.	1.0	10
90	Enhancement of secondary xylem cell proliferation by <i>Arabidopsis</i> cyclin D overexpression in tobacco plants. <i>Plant Cell Reports</i> , 2012, 31, 1573-1580.	5.6	7

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91	Genome-Wide Analyses of Changes in Translation State Caused by Elevated Temperature in <i>Oryza sativa</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 1481-1491.	3.1	46
92	Development of a model system comprising <i>Populus</i> as a model tree and <i>Colletotrichum gloeosporioides</i> as a model pathogen for studying host-pathogen interactions. <i>Plant Biotechnology</i> , 2012, 29, 511-514.	1.0	4
93	High level expression of transgenes by use of 5'-untranslated region of the <i>Arabidopsis thaliana</i> arabinogalactan-protein 21 gene in dicotyledons. <i>Plant Biotechnology</i> , 2012, 29, 319-322.	1.0	14
94	Comparative metabolome analysis of seed kernels in phorbol ester-containing and phorbol ester-free accessions of <i>Jatropha curcas</i> L. <i>Plant Biotechnology</i> , 2012, 29, 171-174.	1.0	6
95	VASCULAR-RELATED NAC-DOMAIN7 directly regulates the expression of a broad range of genes for xylem vessel formation. <i>Plant Journal</i> , 2011, 66, 579-590.	5.7	315
96	A NAC domain protein family contributing to the regulation of wood formation in poplar. <i>Plant Journal</i> , 2011, 67, 499-512.	5.7	182
97	Vascular-related NAC-domain 7 directly regulates a broad range of genes for xylem vessel differentiation. <i>BMC Proceedings</i> , 2011, 5, .	1.6	3
98	The CKH1/EER4 Gene Encoding a TAF12-Like Protein Negatively Regulates Cytokinin Sensitivity in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2011, 52, 629-637.	3.1	20
99	Mutations in <i>MYB3R1</i> and <i>MYB3R4</i> Cause Pleiotropic Developmental Defects and Preferential Down-Regulation of Multiple G2/M-Specific Genes in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 157, 706-717.	4.8	120
100	ANGUSTIFOLIA3 Plays Roles in Adaxial/Abaxial Patterning and Growth in Leaf Morphogenesis. <i>Plant and Cell Physiology</i> , 2011, 52, 112-124.	3.1	79
101	The CKH2/PKL Chromatin Remodeling Factor Negatively Regulates Cytokinin Responses in <i>Arabidopsis</i> Calli. <i>Plant and Cell Physiology</i> , 2011, 52, 618-628.	3.1	61
102	Regulation of plant biomass production. <i>Current Opinion in Plant Biology</i> , 2010, 13, 298-303.	7.1	206
103	Cobtorin target analysis reveals that pectin functions in the deposition of cellulose microfibrils in parallel with cortical microtubules. <i>Plant Journal</i> , 2010, 64, 657-667.	5.7	73
104	Transcriptional regulation of secondary wall formation controlled by NAC domain proteins. <i>Plant Biotechnology</i> , 2010, 27, 237-242.	1.0	77
105	MYB transcription factors orchestrating the developmental program of xylem vessels in <i>Arabidopsis</i> roots. <i>Plant Biotechnology</i> , 2010, 27, 267-272.	1.0	36
106	VND-INTERACTING2, a NAC Domain Transcription Factor, Negatively Regulates Xylem Vessel Formation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 1249-1263.	6.6	358
107	Particular Significance of SRD2-Dependent snRNA Accumulation in Polarized Pattern Generation during Lateral Root Development of <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2010, 51, 2002-2012.	3.1	24
108	Involvement of Auxin and Brassinosteroid in the Regulation of Petiole Elongation under the Shade. <i>Plant Physiology</i> , 2010, 153, 1608-1618.	4.8	172

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109	Regulatory Mechanisms for Specification and Patterning of Plant Vascular Tissues. <i>Annual Review of Cell and Developmental Biology</i> , 2010, 26, 605-637.	9.4	109
110	A Short Period of Mannitol Stress but Not LiCl Stress Led to Global Translational Repression in Plants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 2110-2112.	1.3	11
111	VASCULAR-RELATED NAC-DOMAIN6 and VASCULAR-RELATED NAC-DOMAIN7 Effectively Induce Transdifferentiation into Xylem Vessel Elements under Control of an Induction System. <i>Plant Physiology</i> , 2010, 153, 906-914.	4.8	250
112	Characterization of .ALPHA.-L-arabinofuranosidase related to the secondary cell walls formation in <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology</i> , 2010, 27, 259-266.	1.0	10
113	Involvement of Phytosulfokine in the Attenuation of Stress Response during the Transdifferentiation of <i>Zinnia</i> Mesophyll Cells into Tracheary Elements. <i>Plant Physiology</i> , 2009, 150, 437-447.	4.8	53
114	Preferential Up-Regulation of G2/M Phase-Specific Genes by Overexpression of the Hyperactive Form of NtmybA2 Lacking Its Negative Regulation Domain in Tobacco BY-2 Cells. <i>Plant Physiology</i> , 2009, 149, 1945-1957.	4.8	32
115	ANXUR1 and 2, Sister Genes to FERONIA/SIRENE, Are Male Factors for Coordinated Fertilization. <i>Current Biology</i> , 2009, 19, 1327-1331.	3.9	254
116	Comprehensive analysis of the regulatory roles of auxin in early transdifferentiation into xylem cells. <i>Plant Molecular Biology</i> , 2009, 70, 457-469.	3.9	27
117	Identifying New Components Participating in the Secondary Cell Wall Formation of Vessel Elements in <i>Zinnia</i> and <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 1155-1165.	6.6	53
118	Differential requirement for the function of SRD2, an snRNA transcription activator, in various stages of plant development. <i>Plant Molecular Biology</i> , 2008, 66, 303-314.	3.9	21
119	Ecogenomics of cleistogamous and chasmogamous flowering: genome-wide gene expression patterns from cross-species microarray analysis in <i>Cardamine kokaiensis</i> (Brassicaceae). <i>Journal of Ecology</i> , 2008, 96, 1086-1097.	4.0	32
120	Transient transformation and RNA silencing in <i>Zinnia</i> tracheary element differentiating cell cultures. <i>Plant Journal</i> , 2008, 53, 864-875.	5.7	16
121	VASCULAR-RELATED NAC-DOMAIN7 is involved in the differentiation of all types of xylem vessels in <i>Arabidopsis</i> roots and shoots. <i>Plant Journal</i> , 2008, 55, 652-664.	5.7	317
122	An isoform of <i>Arabidopsis</i> myosin XI interacts with small GTPases in its C-terminal tail region. <i>Journal of Experimental Botany</i> , 2008, 59, 3523-3531.	4.8	38
123	Overexpression of miR165 Affects Apical Meristem Formation, Organ Polarity Establishment and Vascular Development in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2007, 48, 391-404.	3.1	195
124	Transcriptional regulation in wood formation. <i>Trends in Plant Science</i> , 2007, 12, 64-70.	8.8	188
125	TERE; a novel cis-element responsible for a coordinated expression of genes related to programmed cell death and secondary wall formation during differentiation of tracheary elements. <i>Plant Journal</i> , 2007, 51, 955-965.	5.7	68
126	Vascular cell expression patterns of <i>Arabidopsis</i> bZIP group I genes. <i>Plant Biotechnology</i> , 2006, 23, 497-501.	1.0	11

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127	Co-Regulation of Brassinosteroid Biosynthesis-Related Genes During Xylem Cell Differentiation. <i>Plant and Cell Physiology</i> , 2006, 48, 74-83.	3.1	54
128	Isolation and Characterization of a Novel Peroxidase Gene ZPO-C Whose Expression and Function are Closely Associated with Lignification during Tracheary Element Differentiation. <i>Plant and Cell Physiology</i> , 2006, 47, 493-503.	3.1	57
129	Gene Expression Profiling Using cDNA Microarray Analysis of the Sexual Reproduction Stage of the Unicellular Charophycean Alga <i>Closterium peracerosum-strigosum-littorale</i> Complex. <i>Plant Physiology</i> , 2006, 141, 271-279.	4.8	24
130	Fluorescence Cross-Correlation Analyses of the Molecular Interaction between an Aux/IAA Protein, MSG2/IAA19, and Protein-Protein Interaction Domains of Auxin Response Factors of <i>Arabidopsis</i> Expressed in HeLa Cells. <i>Plant and Cell Physiology</i> , 2006, 47, 1095-1101.	3.1	49
131	SND1, a NAC Domain Transcription Factor, Is a Key Regulator of Secondary Wall Synthesis in Fibers of <i>Arabidopsis</i> . <i>Plant Cell</i> , 2006, 18, 3158-3170.	6.6	655
132	cDNA microarray analysis of gene expression changes during pollination, pollen-tube elongation, fertilization, and early embryogenesis in rice pistils. <i>Sexual Plant Reproduction</i> , 2005, 17, 269-275.	2.2	17
133	DcMYB1 Acts as a Transcriptional Activator of the Carrot Phenylalanine Ammonia-lyase Gene (DcPAL1) in Response to Elicitor Treatment, UV-B Irradiation and the Dilution Effect. <i>Plant Molecular Biology</i> , 2005, 59, 739-752.	3.9	90
134	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.	3.1	49
135	Transcription switches for protoxylem and metaxylem vessel formation. <i>Genes and Development</i> , 2005, 19, 1855-1860.	5.9	1,006
136	Class III Homeodomain Leucine-Zipper Proteins Regulate Xylem Cell Differentiation. <i>Plant and Cell Physiology</i> , 2005, 46, 1646-1656.	3.1	76
137	DRP1A Is Responsible for Vascular Continuity Synergistically Working with VAN3 in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2005, 138, 819-826.	4.8	27
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