Dirk InzÃ©

List of Publications by Year
in descending order

458 papers	55,891 citations	484 129 h-index	1792 211 g-index
487 all docs	487 docs citations	487 times ranked	35709 citing authors

#	Article	IF	Citations
1	GATEWAYâ„¢ vectors for Agrobacterium-mediated plant transformation. Trends in Plant Science, 2002, 7, 193-195.	4.3	3,390
2	PlantL-ascorbic acid: chemistry, function, metabolism, bioavailability and effects of processing. Journal of the Science of Food and Agriculture, 2000, 80, 825-860.	1.7	1,076
3	Auxin Transport Promotes Arabidopsis Lateral Root Initiation. Plant Cell, 2001, 13, 843-852.	3.1	930
4	NINJA connects the co-repressor TOPLESS to jasmonate signalling. Nature, 2010, 464, 788-791.	13.7	832
5	Cell Cycle Regulation in Plant Development. Annual Review of Genetics, 2006, 40, 77-105.	3.2	704
6	Transcriptomic Footprints Disclose Specificity of Reactive Oxygen Species Signaling in Arabidopsis Â. Plant Physiology, 2006, 141, 436-445.	2.3	683
7	Functional Analysis of Cyclin-Dependent Kinase Inhibitors of Arabidopsis. Plant Cell, 2001, 13, 1653-1668.	3.1	595
8	The Pivotal Role of Ethylene in Plant Growth. Trends in Plant Science, 2018, 23, 311-323.	4.3	576
9	The ROOT MERISTEMLESS1/CADMIUM SENSITIVE2 Gene Defines a Glutathione-Dependent Pathway Involved in Initiation and Maintenance of Cell Division during Postembryonic Root Development. Plant Cell, 2000, 12, 97-109.	3.1	551
10	Auxin-dependent regulation of lateral root positioning in the basal meristem of Arabidopsis. Development (Cambridge), 2007, 134, 681-690.	1.2	540
11	Genome-Wide Analysis of Core Cell Cycle Genes in Arabidopsis. Plant Cell, 2002, 14, 903-916.	3.1	523
12	Auxin-Mediated Cell Cycle Activation during Early Lateral Root Initiation. Plant Cell, 2002, 14, 2339-2351.	3.1	523
13	The role of active oxygen species in plant signal transduction. Plant Science, 2001, 161, 405-414.	1.7	493
14	Genome-Wide Analysis of Hydrogen Peroxide-Regulated Gene Expression in Arabidopsis Reveals a High Light-Induced Transcriptional Cluster Involved in Anthocyanin Biosynthesis Â. Plant Physiology, 2005, 139, 806-821.	2.3	476
15	Superoxide Dismutase in Plants. Critical Reviews in Plant Sciences, 1994, 13, 199-218.	2.7	450
16	Leaf size control: complex coordination of cell division and expansion. Trends in Plant Science, 2012, 17, 332-340.	4.3	446
17	Plant cell factories in the post-genomic era: new ways to produce designer secondary metabolites. Trends in Plant Science, 2004, 9, 433-440.	4.3	431
18	A Novel Aux/IAA28 Signaling Cascade Activates GATA23-Dependent Specification of Lateral Root Founder Cell Identity. Current Biology, 2010, 20, 1697-1706.	1.8	431

#	ARTICLE	IF	CITATIONS
19	More from less: plant growth under limited water. Current Opinion in Biotechnology, 2010, 21, 197-203.	3.3	427
20	Perturbation of Indole-3-Butyric Acid Homeostasis by the UDP-Glucosyltransferase<i>UGT74E2</i>Modulates<i>Arabidopsis</i>Architecture and Water Stress Tolerance. Plant Cell, 2010, 22, 2660-2679.	3.1	407
21	An abscisic acid-sensitive checkpoint in lateral root development ofArabidopsis. Plant Journal, 2003, 33, 543-555.	2.8	402
22	The Agony of Choice: How Plants Balance Growth and Survival under Water-Limiting Conditions. Plant Physiology, 2013, 162, 1768-1779.	2.3	385
23	A functional genomics approach toward the understanding of secondary metabolism in plant cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8595-8600.	3.3	378
24	Dominant negative mutants of the Cdc2 kinase uncouple cell division from iterative plant development.. EMBO Journal, 1995, 14, 3925-3936.	3.5	375
25	Control of proliferation, endoreduplication and differentiation by theArabidopsisE2Fa-DPa transcription factor. EMBO Journal, 2002, 21, 1360-1368.	3.5	373
26	Mapping methyl jasmonate-mediated transcriptional reprogramming of metabolism and cell cycle progression in cultured <i>Arabidopsis</i> cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1380-1385.	3.3	367
27	Exit from Proliferation during Leaf Development in Arabidopsis thaliana: A Not-So-Gradual Process. Developmental Cell, 2012, 22, 64-78.	3.1	361
28	The <i>SAUR19</i> subfamily of <i>SMALL AUXIN UP RNA</i> genes promote cell expansion. Plant Journal, 2012, 70, 978-990.	2.8	359
29	Receptor-Like Kinase ACR4 Restricts Formative Cell Divisions in the <i>Arabidopsis</i> Root. Science, 2008, 322, 594-597.	6.0	342
30	Cyclin-Dependent Kinases and Cell Division in Plantsâ€"The Nexus. Plant Cell, 1999, 11, 509-521.	3.1	340
31	Oxidative stress in plants. Current Opinion in Biotechnology, 1995, 6, 153-158.	3.3	338
32	PLAZA 3.0: an access point for plant comparative genomics. Nucleic Acids Research, 2015, 43, D974-D981.	6.5	329
33	Fatty Acid Hydroperoxides and H2O2 in the Execution of Hypersensitive Cell Death in Tobacco Leaves Â. Plant Physiology, 2005, 138, 1516-1526.	2.3	324
34	Jasmonate-inducible gene: what does it mean?. Trends in Plant Science, 2009, 14, 87-91.	4.3	320
35	Targeted interactomics reveals a complex core cell cycle machinery in <i>Arabidopsis thaliana</i>. Molecular Systems Biology, 2010, 6, 397.	3.2	315
36	The ins and outs of the plant cell cycle. Nature Reviews Molecular Cell Biology, 2007, 8, 655-665.	16.1	314

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37	A comprehensive analysis of hydrogen peroxide-induced gene expression in tobacco. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 16113-16118.	3.3	309
38	Cell Cycle Progression in the Pericycle Is Not Sufficient for SOLITARY ROOT/IAA14-Mediated Lateral Root Initiation in Arabidopsis thaliana Â. Plant Cell, 2005, 17, 3035-3050.	3.1	309
39	Double antisense plants lacking ascorbate peroxidase and catalase are less sensitive to oxidative stress than single antisense plants lacking ascorbate peroxidase or catalase. Plant Journal, 2002, 32, 329-342.	2.8	308
40	Gene-to-metabolite networks for terpenoid indole alkaloid biosynthesis in Catharanthus roseus cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5614-5619.	3.3	307
41	Type II Metacaspases Atmc4 and Atmc9 of Arabidopsis thaliana Cleave Substrates after Arginine and Lysine. Journal of Biological Chemistry, 2004, 279, 45329-45336.	1.6	304
42	Catalase deficiency drastically affects gene expression induced by high light inArabidopsis thaliana. Plant Journal, 2004, 39, 45-58.	2.8	298
43	Cell Cycle Modulation in the Response of the Primary Root of Arabidopsis to Salt Stress. Plant Physiology, 2004, 135, 1050-1058.	2.3	296
44	Cell to whole-plant phenotyping: the best is yet to come. Trends in Plant Science, 2013, 18, 428-439.	4.3	288
45	The Plant-Specific Cyclin-Dependent Kinase CDKB1;1 and Transcription Factor E2Fa-DPa Control the Balance of Mitotically Dividing and Endoreduplicating Cells in Arabidopsis. Plant Cell, 2004, 16, 2683-2692.	3.1	277
46	Changes in hydrogen peroxide homeostasis trigger an active cell death process in tobacco. Plant Journal, 2003, 33, 621-632.	2.8	272
47	Bimodular auxin response controls organogenesis in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2705-2710.	3.3	271
48	Developmental Stage Specificity and the Role of Mitochondrial Metabolism in the Response of Arabidopsis Leaves to Prolonged Mild Osmotic Stress Â Â Â. Plant Physiology, 2009, 152, 226-244.	2.3	269
49	Pause-and-Stop: The Effects of Osmotic Stress on Cell Proliferation during Early Leaf Development in <i>Arabidopsis</i> and a Role for Ethylene Signaling in Cell Cycle Arrest. Plant Cell, 2011, 23, 1876-1888.	3.1	268
50	Survival and growth of Arabidopsis plants given limited water are not equal. Nature Biotechnology, 2011, 29, 212-214.	9.4	267
51	Arabidopsis WEE1 Kinase Controls Cell Cycle Arrest in Response to Activation of the DNA Integrity Checkpoint. Plant Cell, 2007, 19, 211-225.	3.1	258
52	Cell cycle: the key to plant growth control?. Trends in Plant Science, 2003, 8, 154-158.	4.3	256
53	Vacuolar transport of nicotine is mediated by a multidrug and toxic compound extrusion (MATE) transporter in <i>Nicotiana tabacum</i>. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2447-2452.	3.3	255
54	Ozone-induced oxidative burst in the ozone biomonitor plant, tobacco Bel W3. Plant Journal, 1998, 16, 235-245.	2.8	251

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55	The Cyclin-Dependent Kinase Inhibitor KRP2 Controls the Onset of the Endoreduplication Cycle during Arabidopsis Leaf Development through Inhibition of Mitotic CDKA;1 Kinase Complexes. Plant Cell, 2005, 17, 1723-1736.	3.1	248
56	Lateral Root Initiation or the Birth of a New Meristem. Plant Molecular Biology, 2006, 60, 871-887.	2.0	248
57	Genome-Wide Analysis of Gene Expression Profiles Associated with Cell Cycle Transitions in Growing Organs of Arabidopsis. Plant Physiology, 2005, 138, 734-743.	2.3	247
58	A novel role for abscisic acid emerges from underground. Trends in Plant Science, 2006, 11, 434-439.	4.3	241
59	Chemical Inhibition of a Subset of Arabidopsis thaliana GSK3-like Kinases Activates Brassinosteroid Signaling. Chemistry and Biology, 2009, 16, 594-604.	6.2	240
60	H2O2 and NO: redox signals in disease resistance. Trends in Plant Science, 1998, 3, 330-334.	4.3	238
61	Cloning and characterization of a novel Mg2+/H+ exchanger. EMBO Journal, 1999, 18, 3973-3980.	3.5	238
62	ARABIDOPSIS TRITHORAX1 Dynamically Regulates<i>FLOWERING LOCUS C</i>Activation via Histone 3 Lysine 4 Trimethylation. Plant Cell, 2008, 20, 580-588.	3.1	236
63	SIAMESE, a Plant-Specific Cell Cycle Regulator, Controls Endoreplication Onset in Arabidopsis thaliana. Plant Cell, 2006, 18, 3145-3157.	3.1	234
64	Plant cyclins: a unified nomenclature for plant A-, B- and D-type cyclins based on sequence organization. Plant Molecular Biology, 1996, 32, 1003-1018.	2.0	232
65	Postâ€transcriptional control of <i><scp>GRF</scp></i> transcription factors by micro<scp>RNA</scp> miR396 and <scp>GIF</scp> coâ€activator affects leaf size and longevity. Plant Journal, 2014, 79, 413-426.	2.8	231
66	Methyl jasmonate stimulates the de novo biosynthesis of vitamin C in plant cell suspensions. Journal of Experimental Botany, 2005, 56, 2527-2538.	2.4	230
67	Genome-Wide Identification of Potential Plant E2F Target Genes. Plant Physiology, 2005, 139, 316-328.	2.3	229
68	Genetic properties of the MAGIC maize population: a new platform for high definition QTL mapping in Zea mays. Genome Biology, 2015, 16, 167.	3.8	225
69	Gibberellins and DELLAs: central nodes in growth regulatory networks. Trends in Plant Science, 2014, 19, 231-239.	4.3	224
70	Cell numbers and leaf development in Arabidopsis: a functional analysis of the STRUWWELPETER gene. EMBO Journal, 2002, 21, 6036-6049.	3.5	222
71	Increased Leaf Size: Different Means to an End Â Â. Plant Physiology, 2010, 153, 1261-1279.	2.3	222
72	CDK-related protein kinases in plants. Plant Molecular Biology, 2000, 43, 607-620.	2.0	221

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73	ANGUSTIFOLIA3 Binds to SWI/SNF Chromatin Remodeling Complexes to Regulate Transcription during <i>Arabidopsis</i> Leaf Development. Plant Cell, 2014, 26, 210-229.	3.1	219
74	Specific checkpoints regulate plant cell cycle progression in response to oxidative stress. Plant Journal, 1999, 17, 647-656.	2.8	217
75	Arabidopsis RADICAL-INDUCED CELL DEATH1 Belongs to the WWE Proteinâ€“Protein Interaction Domain Protein Family and Modulates Abscisic Acid, Ethylene, and Methyl Jasmonate Responses. Plant Cell, 2004, 16, 1925-1937.	3.1	217
76	The Role of the Arabidopsis E2FB Transcription Factor in Regulating Auxin-Dependent Cell Division. Plant Cell, 2005, 17, 2527-2541.	3.1	210
77	ETHYLENE RESPONSE FACTOR6 Acts as a Central Regulator of Leaf Growth under Water-Limiting Conditions in Arabidopsis Â Â Â. Plant Physiology, 2013, 162, 319-332.	2.3	210
78	Metacaspase Activity of Arabidopsis thaliana Is Regulated by S-Nitrosylation of a Critical Cysteine Residue. Journal of Biological Chemistry, 2007, 282, 1352-1358.	1.6	209
79	Molecular dissection of plant cytokinesis and phragmoplast structure: a survey of GFPâ€tagged proteins. Plant Journal, 2004, 40, 386-398.	2.8	204
80	A Local Maximum in Gibberellin Levels Regulates Maize Leaf Growth by Spatial Control of Cell Division. Current Biology, 2012, 22, 1183-1187.	1.8	200
81	Transgenic tobacco with a reduced catalase activity develops necrotic lesions and induces pathogenesis-related expression under high light. Plant Journal, 1996, 10, 491-503.	2.8	199
82	A Tandem Affinity Purification-based Technology Platform to Study the Cell Cycle Interactome in Arabidopsis thaliana. Molecular and Cellular Proteomics, 2007, 6, 1226-1238.	2.5	196
83	Molecular Markers and Cell Cycle Inhibitors Show the Importance of Cell Cycle Progression in Nematode-Induced Galls and Syncytia. Plant Cell, 1999, 11, 793-807.	3.1	195
84	Cold Nights Impair Leaf Growth and Cell Cycle Progression in Maize through Transcriptional Changes of Cell Cycle Genes. Plant Physiology, 2007, 143, 1429-1438.	2.3	193
85	Dissection of the phytohormonal regulation of trichome formation and biosynthesis of the antimalarial compound artemisinin in <i>Artemisia annua</i> plants. New Phytologist, 2011, 189, 176-189.	3.5	192
86	<i>Arabidopsis</i> SNAREs SYP61 and SYP121 Coordinate the Trafficking of Plasma Membrane Aquaporin PIP2;7 to Modulate the Cell Membrane Water Permeability. Plant Cell, 2014, 26, 3132-3147.	3.1	192
87	Systemsâ€based analysis of Arabidopsis leaf growth reveals adaptation to water deficit. Molecular Systems Biology, 2012, 8, 606.	3.2	191
88	Transcript profiling of early lateral root initiation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5146-5151.	3.3	190
89	When plant cells decide to divide. Trends in Plant Science, 2001, 6, 359-364.	4.3	189
90	CDKB1;1 Forms a Functional Complex with CYCA2;3 to Suppress Endocycle Onset Â Â. Plant Physiology, 2009, 150, 1482-1493.	2.3	188

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91	Expression of the <i>Arabidopsis</i> jasmonate signalling repressor <i>JAZ1</i>/<i>TIFY10A</i> is stimulated by auxin. EMBO Reports, 2009, 10, 923-928.	2.0	184
92	Nitric Oxide- and Hydrogen Peroxide-Responsive Gene Regulation during Cell Death Induction in Tobacco Â. Plant Physiology, 2006, 141, 404-411.	2.3	180
93	Oxidative stress tolerance and longevity in Arabidopsis: the late-flowering mutant gigantea is tolerant to paraquat. Plant Journal, 1998, 14, 759-764.	2.8	178
94	Plant structure visualization by high-resolution X-ray computed tomography. Trends in Plant Science, 2010, 15, 419-422.	4.3	177
95	Expression of cell cycle regulatory genes and morphological alterations in response to salt stress in Arabidopsis thaliana. Planta, 2000, 211, 632-640.	1.6	176
96	Leaf Responses to Mild Drought Stress in Natural Variants of Arabidopsis Â. Plant Physiology, 2015, 167, 800-816.	2.3	176
97	Two Arabidopsis cyclin promoters mediate distinctive transcriptional oscillation in synchronized tobacco BY-2 cells.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 4868-4872.	3.3	175
98	Atypical E2F activity restrains APC/C ^{CCS52A2} function obligatory for endocycle onset. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14721-14726.	3.3	175
99	B1-Type Cyclin-Dependent Kinases Are Essential for the Formation of Stomatal Complexes in Arabidopsis thaliana. Plant Cell, 2004, 16, 945-955.	3.1	173
100	The DP-E2F-like Gene DEL1 Controls the Endocycle in Arabidopsis thaliana. Current Biology, 2005, 15, 59-63.	1.8	173
101	Variation in Growth Rate between Arabidopsis Ecotypes Is Correlated with Cell Division and A-Type Cyclin-Dependent Kinase Activity. Plant Physiology, 2002, 129, 854-864.	2.3	169
102	Differential Effect of Jasmonic Acid and Abscisic Acid on Cell Cycle Progression in Tobacco BY-2 Cells. Plant Physiology, 2002, 128, 201-211.	2.3	168
103	The Arabidopsis thaliana Homolog of Yeast BRE1 Has a Function in Cell Cycle Regulation during Early Leaf and Root Growth. Plant Cell, 2007, 19, 417-432.	3.1	168
104	Functional Modules in the <i>Arabidopsis</i> Core Cell Cycle Binary Proteinâ€“Protein Interaction Network. Plant Cell, 2010, 22, 1264-1280.	3.1	168
105	Serpin1 of Arabidopsis thaliana is a Suicide Inhibitor for Metacaspase 9. Journal of Molecular Biology, 2006, 364, 625-636.	2.0	167
106	Histological Study of Seed Coat Development in Arabidopsis thaliana. Journal of Plant Research, 2000, 113, 139-148.	1.2	166
107	Mass Spectrometry-Based Sequencing of Lignin Oligomers. Plant Physiology, 2010, 153, 1464-1478.	2.3	166
108	In Vivo Dynamics and Differential Microtubule-Binding Activities of MAP65 Proteins. Plant Physiology, 2004, 136, 3956-3967.	2.3	163

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109	What Is Stress? Dose-Response Effects in Commonly Used in Vitro Stress Assays. Plant Physiology, 2014, 165, 519-527.	2.3	161
110	Comprehensive analysis of gene expression in Nicotiana tabacum leaves acclimated to oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10870-10875.	3.3	160
111	Signal transduction during oxidative stress. Journal of Experimental Botany, 2002, 53, 1227-36.	2.4	158
112	Plant cell cycle transitions. Current Opinion in Plant Biology, 2003, 6, 536-543.	3.5	157
113	Tackling Drought Stress: RECEPTOR-LIKE KINASES Present New Approaches. Plant Cell, 2012, 24, 2262-2278.	3.1	155
114	The elongata mutants identify a functional Elongator complex in plants with a role in cell proliferation during organ growth. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7754-7759.	3.3	154
115	Dynamic Changes in ANGUSTIFOLIA3 Complex Composition Reveal a Growth Regulatory Mechanism in the Maize Leaf. Plant Cell, 2015, 27, 1605-1619.	3.1	154
116	Brassinosteroid production and signaling differentially control cell division and expansion in the leaf. New Phytologist, 2013, 197, 490-502.	3.5	151
117	Exploration of jasmonate signalling via automated and standardized transient expression assays in tobacco cells. Plant Journal, 2005, 44, 1065-1076.	2.8	150
118	Arabidopsis thaliana NADPH Oxidoreductase Homologs Confer Tolerance of Yeasts toward the Thiol-oxidizing Drug Diamide. Journal of Biological Chemistry, 1995, 270, 26224-26231.	1.6	145
119	A Plant-specific Cyclin-dependent Kinase Is Involved in the Control of G2/M Progression in Plants. Journal of Biological Chemistry, 2001, 276, 36354-36360.	1.6	145
120	A Role for AtWRKY23 in Feeding Site Establishment of Plant-Parasitic Nematodes. Plant Physiology, 2008, 148, 358-368.	2.3	145
121	Levels of endogenous cytokinins, indole-3-acetic acid and abscisic acid during the cell cycle of synchronized tobacco BY-2 cells. FEBS Letters, 1996, 391, 175-180.	1.3	142
122	Switching the Cell Cycle. Kip-Related Proteins in Plant Cell Cycle Control. Plant Physiology, 2005, 139, 1099-1106.	2.3	142
123	The Heat-Shock Element Is a Functional Component of the Arabidopsis APX1 Gene Promoter. Plant Physiology, 1998, 118, 1005-1014.	2.3	140
124	Transcriptome analysis during cell division in plants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14825-14830.	3.3	140
125	Systems analysis of the responses to longâ€term magnesium deficiency and restoration in <i>Arabidopsis thaliana</i>. New Phytologist, 2010, 187, 132-144.	3.5	140
126	Mass Spectrometry-Based Fragmentation as an Identification Tool in Lignomics. Analytical Chemistry, 2010, 82, 8095-8105.	3.2	140

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127	Protection against Photooxidative Injury of Tobacco Leaves by 2-Alkenal Reductase. Detoxication of Lipid Peroxide-Derived Reactive Carbonyls. Plant Physiology, 2005, 139, 1773-1783.	2.3	139
128	Novel Plant-specific Cyclin-dependent Kinase Inhibitors Induced by Biotic and Abiotic Stresses. Journal of Biological Chemistry, 2007, 282, 25588-25596.	1.6	139
129	The Arabidopsis cyclin-dependent kinase gene cdc2bAt is preferentially expressed during S and G2 phases of the cell cycle. Plant Journal, 1996, 10, 601-612.	2.8	138
130	Chemical inhibitors: a tool for plant cell cycle studies. FEBS Letters, 2000, 476, 78-83.	1.3	138
131	PSKâ€Î± promotes root growth in Arabidopsis. New Phytologist, 2009, 181, 820-831.	3.5	136
132	AUREOCHROME1a-Mediated Induction of the Diatom-Specific Cyclin <i>dsCYC2</i> Controls the Onset of Cell Division in Diatoms (<i>Phaeodactylum tricornutum</i>). Plant Cell, 2013, 25, 215-228.	3.1	136
133	A new D-type cyclin of Arabidopsis thaliana expressed during lateral root primordia formation. Planta, 1999, 208, 453-462.	1.6	135
134	The NADPH:Quinone Oxidoreductase P1-Î¶-crystallin in Arabidopsis Catalyzes the Î±,Î²-Hydrogenation of 2-Alkenals: Detoxication of the Lipid Peroxide-Derived Reactive Aldehydes. Plant and Cell Physiology, 2002, 43, 1445-1455.	1.5	134
135	A Hormone and Proteome Approach to Picturing the Initial Metabolic Events During Plasmodiophora brassicae Infection on Arabidopsis. Molecular Plant-Microbe Interactions, 2006, 19, 1431-1443.	1.4	133
136	Early transcriptomic changes induced by magnesium deficiency in <i>Arabidopsis thaliana</i> reveal the alteration of circadian clock gene expression in roots and the triggering of abscisic acidâ€responsive genes. New Phytologist, 2010, 187, 119-131.	3.5	133
137	VirtualLeaf: An Open-Source Framework for Cell-Based Modeling of Plant Tissue Growth and Development Â Â Â. Plant Physiology, 2011, 155, 656-666.	2.3	132
138	High-contrast three-dimensional imaging of the Arabidopsis leaf enables the analysis of cell dimensions in the epidermis and mesophyll. Plant Methods, 2010, 6, 17.	1.9	130
139	A Journey Through a Leaf: Phenomics Analysis of Leaf Growth in<i>Arabidopsis thaliana</i>. The Arabidopsis Book, 2015, 13, e0181.	0.5	130
140	The involvement of poly(ADP-ribose) polymerase in the oxidative stress responses in plants. FEBS Letters, 1998, 440, 1-7.	1.3	128
141	Ubiquitylation activates a peptidase that promotes cleavage and destabilization of its activating E3 ligases and diverse growth regulatory proteins to limit cell proliferation in <i>Arabidopsis</i>. Genes and Development, 2017, 31, 197-208.	2.7	128
142	Induction of cdc2a and cyc1At expression in Arabidopsis thaliana during early phases of nematode-induced feeding cell formation. Plant Journal, 1996, 10, 1037-1043.	2.8	125
143	Spatial Distribution of Cell Division Rate Can Be Deduced from that of p34cdc2 Kinase Activity in Maize Leaves Grown at Contrasting Temperatures and Soil Water Conditions. Plant Physiology, 2000, 124, 1393-1402.	2.3	123
144	Hydrogen Peroxide-Induced Gene Expression across Kingdoms: A Comparative Analysis. Molecular Biology and Evolution, 2008, 25, 507-516.	3.5	122

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145	Metabolomics Enables the Structure Elucidation of a Diatom Sex Pheromone. Angewandte Chemie - International Edition, 2013, 52, 854-857.	7.2	122
146	Green light for the cell cycle. EMBO Journal, 2005, 24, 657-662.	3.5	121
147	The Role of the Cell Cycle Machinery in Resumption of Postembryonic Development. Plant Physiology, 2005, 137, 127-140.	2.3	121
148	The Arabidopsis Functional Homolog of the p34 cdc2 Protein Kinase. Plant Cell, 1991, 3, 531.	3.1	120
149	Adaptin-like protein TPLATE and clathrin recruitment during plant somatic cytokinesis occurs via two distinct pathways. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 615-620.	3.3	119
150	Higher plants possess two structurally different poly(ADP-ribose) polymerases. Plant Journal, 1998, 15, 635-645.	2.8	118
151	A role for the root cap in root branching revealed by the non-auxin probe naxillin. Nature Chemical Biology, 2012, 8, 798-805.	3.9	118
152	A Repressor Protein Complex Regulates Leaf Growth in Arabidopsis. Plant Cell, 2015, 27, 2273-2287.	3.1	118
153	Zeatin is indispensable for the G2 -M transition in tobacco BY-2 cells. FEBS Letters, 1998, 426, 29-32.	1.3	116
154	Mutations in the PILZ group genes disrupt the microtubule cytoskeleton and uncouple cell cycle progression from cell division in Arabidopsis embryo and endosperm. European Journal of Cell Biology, 1999, 78, 100-108.	1.6	116
155	Genetic Complexity of Cellulose Synthase A Gene Function in Arabidopsis Embryogenesis. Plant Physiology, 2002, 130, 1883-1893.	2.3	116
156	Mitochondrial typeâ€I prohibitins of <i>Arabidopsis thaliana</i> are required for supporting proficient meristem development. Plant Journal, 2007, 52, 850-864.	2.8	114
157	Somatic Cytokinesis and Pollen Maturation in Arabidopsis Depend on TPLATE, Which Has Domains Similar to Coat Proteins. Plant Cell, 2007, 18, 3502-3518.	3.1	113
158	Developmental regulation of CYCA2s contributes to tissue-specific proliferation in<i>Arabidopsis</i>. EMBO Journal, 2011, 30, 3430-3441.	3.5	113
159	CORNET 2.0: integrating plant coexpression, proteinâ€“protein interactions, regulatory interactions, gene associations and functional annotations. New Phytologist, 2012, 195, 707-720.	3.5	113
160	Translational control of eukaryotic gene expression. Critical Reviews in Biochemistry and Molecular Biology, 2009, 44, 143-168.	2.3	112
161	Close-range hyperspectral image analysis for the early detection of stress responses in individual plants in a high-throughput phenotyping platform. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 138, 121-138.	4.9	111
162	Functional Specialization of the TRANSPARENT TESTA GLABRA1 Network Allows Differential Hormonal Control of Laminal and Marginal Trichome Initiation in Arabidopsis Rosette Leaves. Plant Physiology, 2008, 148, 1453-1464.	2.3	110

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163	Boosting tandem affinity purification of plant protein complexes. Trends in Plant Science, 2008, 13, 517-520.	4.3	108
164	Different responses of tobacco antioxidant enzymes to light and chilling stress. Journal of Plant Physiology, 2003, 160, 509-515.	1.6	107
165	Structure and expression analyses of the S-adenosylmethionine synthetase gene family in Arabidopsis thaliana. Gene, 1989, 84, 359-369.	1.0	106
166	A small CDC25 dual-specificity tyrosine-phosphatase isoform in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13380-13385.	3.3	105
167	Expression of antioxidant enzymes in response to abscisic acid and high osmoticum in tobacco BY-2 cell cultures. Plant Science, 1998, 138, 27-34.	1.7	102
168	Sourceâ€“Sink Regulation in Crops under Water Deficit. Trends in Plant Science, 2019, 24, 652-663.	4.3	102
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