Dirk InzÃ©

List of Publications by Year
in descending order

458 papers	55,891 citations	576 129 h-index	2072 211 g-index
487 all docs	487 docs citations	487 times ranked	39420 citing authors

#	Article	IF	Citations
1	Approaches and determinants to sustainably improve crop production. Food and Energy Security, 2023, 12, .	2.0	12
2	SlKIX8 and SlKIX9 are negative regulators of leaf and fruit growth in tomato. Plant Physiology, 2022, 188, 382-396.	2.3	12
3	Single-cell transcriptomics sheds light on the identity and metabolism of developing leaf cells. Plant Physiology, 2022, 188, 898-918.	2.3	40
4	Prospects to improve the nutritional quality of crops. Food and Energy Security, 2022, 11, e327.	2.0	15
5	Increasing yield on dry fields: molecular pathways with growing potential. Plant Journal, 2022, 109, 323-341.	2.8	13
6	SAMBA controls cell division rate during maize development. Plant Physiology, 2022, 188, 411-424.	2.3	9
7	CIN-like TCP13 is essential for plant growth regulation under dehydration stress. Plant Molecular Biology, 2022, 108, 257-275.	2.0	16
8	Mini-Review: Transgenerational CRISPR/Cas9 Gene Editing in Plants. Frontiers in Genome Editing, 2022, 4, 825042.	2.7	10
9	The heat is on: a simple method to increase genome editing efficiency in plants. BMC Plant Biology, 2022, 22, 142.	1.6	18
10	Root system size and root hair length are key phenes for nitrate acquisition and biomass production across natural variation in Arabidopsis. Journal of Experimental Botany, 2022, 73, 3569-3583.	2.4	18
11	Non-destructive analysis of plant physiological traits using hyperspectral imaging: A case study on drought stress. Computers and Electronics in Agriculture, 2022, 195, 106806.	3.7	10
12	Modulation of the DA1 pathway in maize shows that translatability of information from Arabidopsis to crops is complex. Plant Science, 2022, 321, 111295.	1.7	7
13	Optimized Transformation and Gene Editing of the B104 Public Maize Inbred by Improved Tissue Culture and Use of Morphogenic Regulators. Frontiers in Plant Science, 2022, 13, 883847.	1.7	15
14	Interactive database of genome editing applications in crops and future policy making in the European Union. Trends in Plant Science, 2022, 27, 746-748.	4.3	14
15	Agrobacterium strains and strain improvement: Present and outlook. Biotechnology Advances, 2021, 53, 107677.	6.0	29
16	The PEAPOD Pathway and Its Potential To Improve Crop Yield. Trends in Plant Science, 2021, 26, 220-236.	4.3	14
17	Biotechnology for Tomorrowâ€™s World: Scenarios to Guide Directions for Future Innovation. Trends in Biotechnology, 2021, 39, 438-444.	4.9	13
18	Turgorâ€time controls grass leaf elongation rate and duration under drought stress. Plant, Cell and Environment, 2021, 44, 1361-1378.	2.8	11

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19	Proximal Hyperspectral Imaging Detects Diurnal and Drought-Induced Changes in Maize Physiology. Frontiers in Plant Science, 2021, 12, 640914.	1.7	25
20	Post-translational modifications regulate the activity of the growth-restricting protease DA1. Journal of Experimental Botany, 2021, 72, 3352-3366.	2.4	24
21	Drought affects the rate and duration of organ growth but not inter-organ growth coordination. Plant Physiology, 2021, 186, 1336-1353.	2.3	18
22	The role of scientists in policy making for more sustainable agriculture. Current Biology, 2021, 31, R218-R220.	1.8	10
23	Distinct cellular strategies determine sensitivity to mild drought of Arabidopsis natural accessions. Plant Physiology, 2021, 186, 1171-1185.	2.3	15
24	Root engineering in maize by increasing cytokinin degradation causes enhanced root growth and leaf mineral enrichment. Plant Molecular Biology, 2021, 106, 555-567.	2.0	18
25	A forward genetics approach integrating genomeâ€wide association study and expression quantitative trait locus mapping to dissect leaf development in maize (<i>Zea mays</i>). Plant Journal, 2021, 107, 1056-1071.	2.8	19
26	The GW2-WG1-OsbZIP47 pathway controls grain size and weight in rice. Molecular Plant, 2021, 14, 1266-1280.	3.9	70
27	Nocturnal gibberellin biosynthesis is carbon dependent and adjusts leaf expansion rates to variable conditions. Plant Physiology, 2021, 185, 228-239.	2.3	10
28	From laboratory to field: yield stability and shade avoidance genes are massively differentially expressed in the field. Plant Biotechnology Journal, 2020, 18, 1112-1114.	4.1	13
29	Comparative transcriptomics enables the identification of functional orthologous genes involved in early leaf growth. Plant Biotechnology Journal, 2020, 18, 553-567.	4.1	24
30	How grass keeps growing: an integrated analysis of hormonal crosstalk in the maize leaf growth zone. New Phytologist, 2020, 225, 2513-2525.	3.5	13
31	Molecular networks regulating cell division during Arabidopsis leaf growth. Journal of Experimental Botany, 2020, 71, 2365-2378.	2.4	83
32	Development of a novel and rapid phenotype-based screening method to assess rice seedling growth. Plant Methods, 2020, 16, 139.	1.9	4
33	Emerging Connections between Small RNAs and Phytohormones. Trends in Plant Science, 2020, 25, 912-929.	4.3	43
34	Gene Regulatory Network Inference: Connecting Plant Biology and Mathematical Modeling. Frontiers in Genetics, 2020, 11, 457.	1.1	29
35	Modification of the Expression of the Aquaporin ZmPIP2;5 Affects Water Relations and Plant Growth. Plant Physiology, 2020, 182, 2154-2165.	2.3	39
36	Plant growth under suboptimal water conditions: early responses and methods to study them. Journal of Experimental Botany, 2020, 71, 1706-1722.	2.4	45

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37	Tapping into the maize root microbiome to identify bacteria that promote growth under chilling conditions. Microbiome, 2020, 8, 54.	4.9	63
38	UBP12 and UBP13 negatively regulate the activity of the ubiquitin-dependent peptidases DA1, DAR1 and DAR2. ELife, 2020, 9, .	2.8	30
39	Using singleâ€plantâ€omics in the field to link maize genes to functions and phenotypes. Molecular Systems Biology, 2020, 16, e9667.	3.2	22
40	cis-Cinnamic acid is a natural plant growth-promoting compound. Journal of Experimental Botany, 2019, 70, 6293-6304.	2.4	31
41	Tissue Culture of Oil Palm: Finding the Balance Between Mass Propagation and Somaclonal Variation. Frontiers in Plant Science, 2019, 10, 722.	1.7	50
42	A genetics screen highlights emerging roles for CPL3, RST1 and URT1 in RNA metabolism and silencing. Nature Plants, 2019, 5, 539-550.	4.7	23
43	Analysis of hyperspectral images for detection of drought stress and recovery in maize plants in a high-throughput phenotyping platform. Computers and Electronics in Agriculture, 2019, 162, 749-758.	3.7	63
44	Sourceâ€"Sink Regulation in Crops under Water Deficit. Trends in Plant Science, 2019, 24, 652-663.	4.3	102
45	Functional analysis of Arabidopsis and maize transgenic lines overexpressing the ADP-ribose/NADH pyrophosphohydrolase, AtNUDX7. International Journal of Developmental Biology, 2019, 63, 45-55.	0.3	1
46	Drought resistance is mediated by divergent strategies in closely related Brassicaceae. New Phytologist, 2019, 223, 783-797.	3.5	34
47	Histone 2B monoubiquitination complex integrates transcript elongation with RNA processing at circadian clock and flowering regulators. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8060-8069.	3.3	18
48	Multifaceted activity of cytokinin in leaf development shapes its size and structure in Arabidopsis. Plant Journal, 2019, 97, 805-824.	2.8	74
49	The role of HEXOKINASE1 in Arabidopsis leaf growth. Plant Molecular Biology, 2019, 99, 79-93.	2.0	20
50	GS^{yellow}, a Multifaceted Tag for Functional Protein Analysis in Monocot and Dicot Plants. Plant Physiology, 2018, 177, 447-464.	2.3	19
51	The Pivotal Role of Ethylene in Plant Growth. Trends in Plant Science, 2018, 23, 311-323.	4.3	576
52	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
53	The reduction in maize leaf growth under mild drought affects the transition between cell division and cell expansion and cannot be restored by elevated gibberellic acid levels. Plant Biotechnology Journal, 2018, 16, 615-627.	4.1	73
54	Growth rate rather than growth duration drives growth heterosis in maize B104 hybrids. Plant, Cell and Environment, 2018, 41, 374-382.	2.8	12

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55	Detection of Plant Responses to Drought using Close-Range Hyperspectral Imaging in a High-Throughput Phenotyping Platform. , 2018, , .		2
56	Robust increase of leaf size by Arabidopsis thaliana GRF3-like transcription factors under different growth conditions. Scientific Reports, 2018, 8, 13447.	1.6	48
57	Early mannitol-triggered changes in the Arabidopsis leaf (phospho)proteome reveal growth regulators. Journal of Experimental Botany, 2018, 69, 4591-4607.	2.4	31
58	Arabidopsis Leaf Flatness Is Regulated by PPD2 and NINJA through Repression of <i>CYCLIN D3</i> Genes. Plant Physiology, 2018, 178, 217-232.	2.3	50
59	STERILE APETALA modulates the stability of a repressor protein complex to control organ size in Arabidopsis thaliana. PLoS Genetics, 2018, 14, e1007218.	1.5	45
60	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
61	The Mitochondrial DNA (mtDNA)-Associated Protein SWIB5 Influences mtDNA Architecture and Homologous Recombination. Plant Cell, 2017, 29, tpc.00899.2016.	3.1	11
62	The transcriptional repressor complex FRS7-FRS12 regulates flowering time and growth in Arabidopsis. Nature Communications, 2017, 8, 15235.	5.8	54
63	Strobilurins as growthâ€promoting compounds: how Stroby regulates Arabidopsis leaf growth. Plant, Cell and Environment, 2017, 40, 1748-1760.	2.8	21
64	Altered expression of maize PLASTOCHRON1 enhances biomass and seed yield by extending cell division duration. Nature Communications, 2017, 8, 14752.	5.8	89
65	Forever Young: The Role of Ubiquitin Receptor DA1 and E3 Ligase BIG BROTHER in Controlling Leaf Growth and Development. Plant Physiology, 2017, 173, 1269-1282.	2.3	55
66	Molecular mechanisms of biomass increase in plants. Biotechnology Research and Innovation, 2017, 1, 14-25.	0.3	33
67	Unlocking the potential of plant phenotyping data through integration and data-driven approaches. Current Opinion in Systems Biology, 2017, 4, 58-63.	1.3	92
68	Time of day determines Arabidopsis transcriptome and growth dynamics under mild drought. Plant, Cell and Environment, 2017, 40, 180-189.	2.8	76
69	Natural Variation of Molecular and Morphological Gibberellin Responses. Plant Physiology, 2017, 173, 703-714.	2.3	16
70	Phosphorylation of MAP65-1 by Arabidopsis Aurora Kinases Is Required for Efficient Cell Cycle Progression. Plant Physiology, 2017, 173, 582-599.	2.3	44
71	F-Box Protein FBX92 Affects Leaf Size in Arabidopsis thaliana. Plant and Cell Physiology, 2017, 58, 962-975.	1.5	69
72	From network to phenotype: the dynamic wiring of an Arabidopsis transcriptional network induced by osmotic stress. Molecular Systems Biology, 2017, 13, 961.	3.2	86

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73	Robust plane-based calibration for linear cameras. , 2017, , .		3
74	SCFSAP controls organ size by targeting PPD proteins for degradation in Arabidopsis thaliana. Nature Communications, 2016, 7, 11192.	5.8	77
75	RALFL34 regulates formative cell divisions in Arabidopsis pericycle during lateral root initiation. Journal of Experimental Botany, 2016, 67, 4863-4875.	2.4	66
76	Overexpression of <i><scp>GA</scp>20â€‹<scp>OXIDASE</scp>1</i> impacts plant height, biomass allocation and saccharification efficiency in maize. Plant Biotechnology Journal, 2016, 14, 997-1007.	4.1	59
77	Chloroplasts Are Central Players in Sugar-Induced Leaf Growth. Plant Physiology, 2016, 171, 590-605.	2.3	67
78	Leaf Growth Response to Mild Drought: Natural Variation in Arabidopsis Sheds Light on Trait Architecture. Plant Cell, 2016, 28, 2417-2434.	3.1	83
79	Functional characterization of the Arabidopsis transcription factor bZIP29 reveals its role in leaf and root development. Journal of Experimental Botany, 2016, 67, 5825-5840.	2.4	78
80	Leaf growth in dicots and monocots: so different yet so alike. Current Opinion in Plant Biology, 2016, 33, 72-76.	3.5	87
81	Editorial overview: Cell signalling and gene regulation: The many layers of plant signalling. Current Opinion in Plant Biology, 2016, 33, iv-vi.	3.5	1
82	Up-to-Date Workflow for Plant (Phospho)proteomics Identifies Differential Drought-Responsive Phosphorylation Events in Maize Leaves. Journal of Proteome Research, 2016, 15, 4304-4317.	1.8	50
83	A Model of Differential Growth-Guided Apical Hook Formation in Plants. Plant Cell, 2016, 28, 2464-2477.	3.1	53
84	Plants grow with a little help from their organelle friends. Journal of Experimental Botany, 2016, 67, 6267-6281.	2.4	61
85	Modeling effects of illumination and plant geometry on leaf reflectance spectra in close-range hyperspectral imaging. , 2016, , .		5
86	Sequence-specific protein aggregation generates defined protein knockdowns in plants. Plant Physiology, 2016, 171, pp.00335.2016.	2.3	24
87	Diffany: an ontology-driven framework to infer, visualise and analyse differential molecular networks. BMC Bioinformatics, 2016, 17, 18.	1.2	30
88	Combined Large-Scale Phenotyping and Transcriptomics in Maize Reveals a Robust Growth Regulatory Network. Plant Physiology, 2016, 170, 1848-1867.	2.3	49
89	The Future of Field Trials in Europe: Establishing a Network Beyond Boundaries. Trends in Plant Science, 2016, 21, 92-95.	4.3	14
90	Plant Growth Beyond Limits. Trends in Plant Science, 2016, 21, 102-109.	4.3	27

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91	An integrated network of Arabidopsis growth regulators and its use for gene prioritization. Scientific Reports, 2015, 5, 17617.	1.6	8
92	AIP1 is a novel Agenet/Tudor domain protein from Arabidopsis that interacts with regulators of DNA replication, transcription and chromatin remodeling. BMC Plant Biology, 2015, 15, 270.	1.6	15
93	Measurement of plant growth in view of an integrative analysis of regulatory networks. Current Opinion in Plant Biology, 2015, 25, 90-97.	3.5	21
94	The ETHYLENE RESPONSE FACTORs ERF6 and ERF11 Antagonistically Regulate Mannitol-Induced Growth Inhibition in Arabidopsis. Plant Physiology, 2015, 169, 166-179.	2.3	86
95	The Role of the Anaphase-Promoting Complex/Cyclosome in Plant Growth. Critical Reviews in Plant Sciences, 2015, 34, 487-505.	2.7	29
96	The KnownLeaf literature curation system captures knowledge about Arabidopsis leaf growth and development and facilitates integrated data mining. Current Plant Biology, 2015, 2, 1-11.	2.3	7
97	GROWTH REGULATING FACTOR5 Stimulates Arabidopsis Chloroplast Division, Photosynthesis, and Leaf Longevity Â. Plant Physiology, 2015, 167, 817-832.	2.3	100
98	Leaf Responses to Mild Drought Stress in Natural Variants of Arabidopsis Â. Plant Physiology, 2015, 167, 800-816.	2.3	176
99	Molecular systems governing leaf growth: from genes to networks. Journal of Experimental Botany, 2015, 66, 1045-1054.	2.4	49
100	PLAZA 3.0: an access point for plant comparative genomics. Nucleic Acids Research, 2015, 43, D974-D981.	6.5	329
101	A Journey Through a Leaf: Phenomics Analysis of Leaf Growth in<i>Arabidopsis thaliana</i>. The Arabidopsis Book, 2015, 13, e0181.	0.5	130
102	RNA Interference Knockdown of BRASSINOSTEROID INSENSITIVE1 in Maize Reveals Novel Functions for Brassinosteroid Signaling in Controlling Plant Architecture. Plant Physiology, 2015, 169, 826-839.	2.3	93
103	Dynamic Changes in ANGUSTIFOLIA3 Complex Composition Reveal a Growth Regulatory Mechanism in the Maize Leaf. Plant Cell, 2015, 27, 1605-1619.	3.1	154
104	Rotational fusion and extended field of depth for a single cell layer in DIC microscopic images. , 2015, , .		0
105	A Repressor Protein Complex Regulates Leaf Growth in Arabidopsis. Plant Cell, 2015, 27, 2273-2287.	3.1	118
106	Correlation analysis of the transcriptome of growing leaves with mature leaf parameters in a maize RIL population. Genome Biology, 2015, 16, 168.	3.8	52
107	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
108	What Is Stress? Dose-Response Effects in Commonly Used in Vitro Stress Assays. Plant Physiology, 2014, 165, 519-527.	2.3	161

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109	Translational research: from pot to plot. Plant Biotechnology Journal, 2014, 12, 277-285.	4.1	77
110	LEAF-E: a tool to analyze grass leaf growth using function fitting. Plant Methods, 2014, 10, 37.	1.9	39
111	Differential Methylation during Maize Leaf Growth Targets Developmentally Regulated Genes Â Â Â. Plant Physiology, 2014, 164, 1350-1364.	2.3	84
112	Transcriptional coordination between leaf cell differentiation and chloroplast development established by TCP20 and the subgroup Ib bHLH transcription factors. Plant Molecular Biology, 2014, 85, 233-245.	2.0	31
113	Role of Arabidopsis UV RESISTANCE LOCUS 8 in Plant Growth Reduction under Osmotic Stress and Low Levels of UV-B. Molecular Plant, 2014, 7, 773-791.	3.9	57
114	Gibberellins and DELLAs: central nodes in growth regulatory networks. Trends in Plant Science, 2014, 19, 231-239.	4.3	224
115	The cell-cycle interactome: a source of growth regulators?. Journal of Experimental Botany, 2014, 65, 2715-2730.	2.4	43
116	Highâ€resolution timeâ€resolved imaging of <i>in vitro</i> Arabidopsis rosette growth. Plant Journal, 2014, 80, 172-184.	2.8	41
117	A Generic Tool for Transcription Factor Target Gene Discovery in Arabidopsis Cell Suspension Cultures Based on Tandem Chromatin Affinity Purification. Plant Physiology, 2014, 164, 1122-1133.	2.3	43
118	The Cyclin-Dependent Kinase Inhibitor KRP6 Induces Mitosis and Impairs Cytokinesis in Giant Cells Induced by Plant-Parasitic Nematodes in <i>Arabidopsis</i> Â. Plant Cell, 2014, 26, 2633-2647.	3.1	30
119	<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
120	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
121	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
122	Combining growth-promoting genes leads to positive epistasis in Arabidopsis thaliana. ELife, 2014, 3, e02252.	2.8	38
123	Thirty years of transgenic plants. Nature, 2013, 497, 40-40.	13.7	5
124	Molecular and Physiological Analysis of Growth-Limiting Drought Stress in Brachypodium distachyon Leaves. Molecular Plant, 2013, 6, 311-322.	3.9	94
125	Cell to whole-plant phenotyping: the best is yet to come. Trends in Plant Science, 2013, 18, 428-439.	4.3	288
126	Brassinosteroid production and signaling differentially control cell division and expansion in the leaf. New Phytologist, 2013, 197, 490-502.	3.5	151

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127	Addressing the Role of microRNAs in Reprogramming Leaf Growth during Drought Stress in Brachypodium distachyon. Molecular Plant, 2013, 6, 423-443.	3.9	75
128	Metabolomics Enables the Structure Elucidation of a Diatom Sex Pheromone. Angewandte Chemie - International Edition, 2013, 52, 854-857.	7.2	122
129	A Guide to CORNET for the Construction of Coexpression and Proteinâ€"Protein Interaction Networks. Methods in Molecular Biology, 2013, 1011, 327-343.	0.4	4
130	Gateway vectors for transformation of cereals. Trends in Plant Science, 2013, 18, 1-4.	4.3	34
131	The Agony of Choice: How Plants Balance Growth and Survival under Water-Limiting Conditions. Plant Physiology, 2013, 162, 1768-1779.	2.3	385
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	The Potential of Text Mining in Data Integration and Network Biology for Plant Research: A Case Study on<i>Arabidopsis</i>Â Â. Plant Cell, 2013, 25, 794-807.	3.1	25
134	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
135	A novel tracing method for the segmentation of cell wall networks. , 2013, 2013, 5433-6.		0
136	DELLA Signaling Mediates Stress-Induced Cell Differentiation in Arabidopsis Leaves through Modulation of Anaphase-Promoting Complex/Cyclosome Activity Â Â. Plant Physiology, 2012, 159, 739-747.	2.3	100
137	Combined linkage and association mapping reveals <i>CYCD5;1</i> as a quantitative trait gene for endoreduplication in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4678-4683.	3.3	55
138	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
139	Tackling Drought Stress: RECEPTOR-LIKE KINASES Present New Approaches. Plant Cell, 2012, 24, 2262-2278.	3.1	155
140	Systemsâ€based analysis of Arabidopsis leaf growth reveals adaptation to water deficit. Molecular Systems Biology, 2012, 8, 606.	3.2	191
141	Brachypodium distachyon promoters as efficient building blocks for transgenic research in maize. Journal of Experimental Botany, 2012, 63, 4263-4273.	2.4	55
142	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
143	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
144	A Local Maximum in Gibberellin Levels Regulates Maize Leaf Growth by Spatial Control of Cell Division. Current Biology, 2012, 22, 1266.	1.8	5

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145	Exit from Proliferation during Leaf Development in Arabidopsis thaliana: A Not-So-Gradual Process. Developmental Cell, 2012, 22, 64-78.	3.1	361
146	SAMBA, a plant-specific anaphase-promoting complex/cyclosome regulator is involved in early development and A-type cyclin stabilization. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13853-13858.	3.3	80
147	Analysis of tiling array expression studies with flexible designs in Bioconductor (waveTiling). BMC Bioinformatics, 2012, 13, 234.	1.2	0
148	Leaf size control: complex coordination of cell division and expansion. Trends in Plant Science, 2012, 17, 332-340.	4.3	446
149	Quantitative analysis of venation patterns of Arabidopsis leaves by supervised image analysis. Plant Journal, 2012, 69, 553-563.	2.8	52
150	CHARACTERIZATION OF A RABE (RAS GENE FROM RAT BRAIN E) GTPASE EXPRESSED DURING MORPHOGENESIS IN THE UNICELLULAR GREEN ALGA <i>MICRASTERIAS DENTICULATA</i> (ZYGNEMATOPHYCEAE, STREPTOPHYTA)¹. Journal of Phycology, 2012, 48, 682-692.	1.0	7
151	Structural assessment of the impact of environmental constraints on <i>Arabidopsis thaliana</i> leaf growth: a 3D approach. Plant, Cell and Environment, 2012, 35, 1631-1646.	2.8	45
152	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
153	A comparative study of seed yield parameters in <i>Arabidopsis thaliana</i> mutants and transgenics. Plant Biotechnology Journal, 2012, 10, 488-500.	4.1	42
154	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
155	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
156	A Reciprocal ¹⁵N-Labeling Proteomic Analysis of Expanding <i>Arabidopsis</i> Leaves Subjected to Osmotic Stress Indicates Importance of Mitochondria in Preserving Plastid Functions. Journal of Proteome Research, 2011, 10, 1018-1029.	1.8	38
157	Developmental regulation of CYCA2s contributes to tissue-specific proliferation in<i>Arabidopsis</i>. EMBO Journal, 2011, 30, 3430-3441.	3.5	113
158	The APC/C <i>subunit 10</i> plays an essential role in cell proliferation during leaf development. Plant Journal, 2011, 68, 351-363.	2.8	99
159	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
160	Low magnesium status in plants enhances tolerance to cadmium exposure. New Phytologist, 2011, 192, 428-436.	3.5	73
161	Atypical E2F activity coordinates PHR1 photolyase gene transcription with endoreduplication onset. EMBO Journal, 2011, 30, 355-363.	3.5	66
162	Survival and growth of Arabidopsis plants given limited water are not equal. Nature Biotechnology, 2011, 29, 212-214.	9.4	267

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163	Transcriptional analysis of cell growth and morphogenesis in the unicellular green alga Micrasterias(Streptophyta), with emphasis on the role of expansin. BMC Plant Biology, 2011, 11, 128.	1.6	34
164	PHENOPSIS DB: an Information System for Arabidopsis thalianaphenotypic data in an environmental context. BMC Plant Biology, 2011, 11, 77.	1.6	65
165	Combining Enhanced Root and Shoot Growth Reveals Cross Talk between Pathways That Control Plant Organ Size in Arabidopsis Â Â Â. Plant Physiology, 2011, 155, 1339-1352.	2.3	75
166	Model-Based Analysis of Arabidopsis Leaf Epidermal Cells Reveals Distinct Division and Expansion Patterns for Pavement and Guard Cells Â Â. Plant Physiology, 2011, 156, 2172-2183.	2.3	81
167	Phosphorylation of a mitotic kinesin-like protein and a MAPKKK by cyclin-dependent kinases (CDKs) is involved in the transition to cytokinesis in plants. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17844-17849.	3.3	59
168	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
169	Increased Leaf Size: Different Means to an End Â Â. Plant Physiology, 2010, 153, 1261-1279.	2.3	222
170	More from less: plant growth under limited water. Current Opinion in Biotechnology, 2010, 21, 197-203.	3.3	427
171	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
172	INTRACELLULAR LOCALIZATION OF AN ENDOGENOUS CELLULOSE SYNTHASE OF MICRASTERIAS DENTICULATA (DESMIDIALES, CHLOROPHYTA) BY MEANS OF TRANSIENT GENETIC TRANSFORMATION1. Journal of Phycology, 2010, 46, 839-845.	1.0	18
173	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
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