Philip N Benfey

List of Publications by Year
in descending order

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191 papers	27,111 citations	8208 78 h-index	7427 157 g-index
294 all docs	294 docs citations	294 times ranked	20368 citing authors

#	Article	IF	Citations
1	Spatiotemporal analysis identifies ABF2 and ABF3 as key hubs of endodermal response to nitrate. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	17
2	A single-cell Arabidopsis root atlas reveals developmental trajectories in wild-type and cell identity mutants. Developmental Cell, 2022, 57, 543-560.e9.	3.1	106
3	Single-cell genomics revolutionizes plant development studies across scales. Development (Cambridge), 2022, 149, .	1.2	3
4	Reply to Amundson: Time to go to work. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2122842119.	3.3	0
5	An auxin-regulable oscillatory circuit drives the root clock in <i>Arabidopsis</i>. Science Advances, 2021, 7, .	4.7	46
6	Mechanism and function of root circumnutation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	45
7	The <i>Arabidopsis</i> GRAS-type SCL28 transcription factor controls the mitotic cell cycle and division plane orientation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
8	Single-cell analysis of cell identity in the Arabidopsis root apical meristem: insights and opportunities. Journal of Experimental Botany, 2021, 72, 6679-6686.	2.4	28
9	Novel technologies for emission reduction complement conservation agriculture to achieve negative emissions from row-crop production. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	64
10	Capturing in-field root system dynamics with RootTracker. Plant Physiology, 2021, 187, 1117-1130.	2.3	9
11	Phage-Resistant Bacteria Reveal a Role for Potassium in Root Colonization. MBio, 2021, 12, e0140321.	1.8	5
12	A plant lipocalin promotes retinal-mediated oscillatory lateral root initiation. Science, 2021, 373, 1532-1536.	6.0	32
13	Plant immune system activation is necessary for efficient root colonization by auxin-secreting beneficial bacteria. Cell Host and Microbe, 2021, 29, 1507-1520.e4.	5.1	70
14	VAP-RELATED SUPPRESSORS OF TOO MANY MOUTHS (VST) family proteins are regulators of root system architecture. Plant Physiology, 2021, 185, 457-468.	2.3	2
15	A Co-opted Regulator of Lateral Root Development Controls Nodule Organogenesis in Lotus. Developmental Cell, 2020, 52, 6-7.	3.1	4
16	RGF1 controls root meristem size through ROS signalling. Nature, 2020, 577, 85-88.	13.7	128
17	Cell wall remodeling and vesicle trafficking mediate the root clock in <i>Arabidopsis</i>. Science, 2020, 370, 819-823.	6.0	73
18	Plant science decadal vision 2020â€“2030: Reimagining the potential of plants for a healthy and sustainable future. Plant Direct, 2020, 4, e00252.	0.8	26

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19	Lateral Root Initiation: The Emergence of New Primordia Following Cell Death. Current Biology, 2020, 30, R121-R122.	1.8	1
20	G-quadruplex structures trigger RNA phase separation. Nucleic Acids Research, 2019, 47, 11746-11754.	6.5	67
21	Î²-Cyclocitral is a conserved root growth regulator. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10563-10567.	3.3	111
22	The Lateral Root Cap Acts as an Auxin Sink that Controls Meristem Size. Current Biology, 2019, 29, 1199-1205.e4.	1.8	72
23	Histone Deacetylase HDA19 Affects Root Cortical Cell Fate by Interacting with SCARECROW. Plant Physiology, 2019, 180, 276-288.	2.3	13
24	Anchorene is a carotenoid-derived regulatory metabolite required for anchor root formation in <i>Arabidopsis</i>. Science Advances, 2019, 5, eaaw6787.	4.7	67
25	GTL1 and DF1 regulate root hair growth through transcriptional repression of <i>ROOT HAIR DEFECTIVE 6-LIKE 4</i> in <i>Arabidopsis</i>. Development (Cambridge), 2018, 145, .	1.2	63
26	Small but Mighty: Functional Peptides Encoded by Small ORFs in Plants. Proteomics, 2018, 18, e1700038.	1.3	63
27	Physiological mechanisms contributing to the QTL qDTY3.2 effects on improved performance of rice Moroberekan x Swarna BC2F3:4 lines under drought. Rice, 2018, 11, 43.	1.7	15
28	Minimum requirements for changing and maintaining endodermis cell identity in the Arabidopsis root. Nature Plants, 2018, 4, 586-595.	4.7	37
29	Regulation of Division and Differentiation of Plant Stem Cells. Annual Review of Cell and Developmental Biology, 2018, 34, 289-310.	4.0	72
30	A Lin28 homologue reprograms differentiated cells to stem cells in the moss Physcomitrella patens. Nature Communications, 2017, 8, 14242.	5.8	37
31	Mechanism of Dual Targeting of the Phytochrome Signaling Component HEMERA/pTAC12 to Plastids and the Nucleus. Plant Physiology, 2017, 173, 1953-1966.	2.3	36
32	Tissue-Specific Transcriptome Profiling in Arabidopsis Roots. Methods in Molecular Biology, 2017, 1610, 107-122.	0.4	5
33	Uncovering Gene Regulatory Networks Controlling Plant Cell Differentiation. Trends in Genetics, 2017, 33, 529-539.	2.9	47
34	A SIMPLE Pipeline for Mapping Point Mutations. Plant Physiology, 2017, 174, 1307-1313.	2.3	50
35	Framework for gradual progression of cell ontogeny in the <i>Arabidopsis</i> root meristem. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8922-E8929.	3.3	46
36	Auxin minimum triggers the developmental switch from cell division to cell differentiation in the <i>Arabidopsis</i> root. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7641-E7649.	3.3	193

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37	Control of Arabidopsis lateral root primordium boundaries by <scp>MYB</scp>36. New Phytologist, 2017, 213, 105-112.	3.5	65
38	A Friend in Need (of Nutrients) Is aâ€¦. Cell, 2016, 165, 269-271.	13.5	5
39	Defining the Path from Stem Cells to Differentiated Tissue. Current Topics in Developmental Biology, 2016, 116, 35-43.	1.0	10
40	High-Resolution Expression Map of the Arabidopsis Root Reveals Alternative Splicing and lincRNA Regulation. Developmental Cell, 2016, 39, 508-522.	3.1	245
41	Establishment of Expression in the SHORTROOT-SCARECROW Transcriptional Cascade through Opposing Activities of Both Activators and Repressors. Developmental Cell, 2016, 39, 585-596.	3.1	54
42	Unique cell-type-specific patterns of DNA methylation in the root meristem. Nature Plants, 2016, 2, 16058.	4.7	159
43	Super-resolution ribosome profiling reveals unannotated translation events in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7126-E7135.	3.3	222
44	X-Ray Computed Tomography Reveals the Response of Root System Architecture to Soil Texture. Plant Physiology, 2016, 171, 2028-2040.	2.3	87
45	Tracking transcription factor mobility and interaction in Arabidopsis roots with fluorescence correlation spectroscopy. ELife, 2016, 5, .	2.8	79
46	Identifying Gene Regulatory Networks in Arabidopsis by In Silico Prediction, Yeast-1-Hybrid, and Inducible Gene Profiling Assays. Methods in Molecular Biology, 2016, 1370, 29-50.	0.4	1
47	Large Cellular Inclusions Accumulate in Arabidopsis Roots Exposed to Low-Sulfur Conditions. Plant Physiology, 2015, 168, 1573-1589.	2.3	7
48	Quantitative Trait Locus Mapping Reveals Regions of the Maize Genome Controlling Root System Architecture. Plant Physiology, 2015, 167, 1487-1496.	2.3	58
49	Genes and networks regulating root anatomy and architecture. New Phytologist, 2015, 208, 26-38.	3.5	108
50	MicroRNA miR396 Regulates the Switch between Stem Cells and Transit-Amplifying Cells in Arabidopsis Roots. Plant Cell, 2015, 27, 3354-3366.	3.1	125
51	Distinct sensitivities to phosphate deprivation suggest that <scp>RGF</scp> peptides play disparate roles in <i>Arabidopsis thaliana</i> root development. New Phytologist, 2015, 207, 683-691.	3.5	31
52	Transcriptional control of tissue formation throughout root development. Science, 2015, 350, 426-430.	6.0	128
53	MYB36 regulates the transition from proliferation to differentiation in the <i>Arabidopsis</i> root. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12099-12104.	3.3	145
54	Regulation of plant root system architecture: implications for crop advancement. Current Opinion in Biotechnology, 2015, 32, 93-98.	3.3	351

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55	HEC of a Job Regulating Stem Cells. Developmental Cell, 2014, 28, 349-350.	3.1	3
56	Advanced imaging techniques for the study of plant growth and development. Trends in Plant Science, 2014, 19, 304-310.	4.3	72
57	Periodic root branching in <i>Arabidopsis</i> requires synthesis of an uncharacterized carotenoid derivative. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1300-9.	3.3	139
58	Paired-End Analysis of Transcription Start Sites in <i>Arabidopsis</i> Reveals Plant-Specific Promoter Signatures Â. Plant Cell, 2014, 26, 2746-2760.	3.1	112
59	Regulation of Plant Stem Cell Quiescence by a Brassinosteroid Signaling Module. Developmental Cell, 2014, 30, 36-47.	3.1	164
60	Spatiotemporal signalling in plant development. Nature Reviews Genetics, 2013, 14, 631-644.	7.7	84
61	To branch or not to branch: the role of pre-patterning in lateral root formation. Development (Cambridge), 2013, 140, 4301-4310.	1.2	137
62	Integrated detection of natural antisense transcripts using strand-specific RNA sequencing data. Genome Research, 2013, 23, 1730-1739.	2.4	58
63	Spatial Coordination between Stem Cell Activity and Cell Differentiation in the Root Meristem. Developmental Cell, 2013, 26, 405-415.	3.1	113
64	3D phenotyping and quantitative trait locus mapping identify core regions of the rice genome controlling root architecture. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1695-704.	3.3	261
65	Genotypic recognition and spatial responses by rice roots. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2670-2675.	3.3	124
66	Arabidopsis as a Model for Systems Biology. , 2013, , 391-406.		2
67	Polarized Radicals. Cell, 2013, 153, 285-286.	13.5	1
68	High-resolution metabolic mapping of cell types in plant roots. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1232-41.	3.3	131
69	Arabidopsis Root. , 2013, , 2-1-2-17.		0
70	A Gene Regulatory Network for Root Epidermis Cell Differentiation in Arabidopsis. PLoS Genetics, 2012, 8, e1002446.	1.5	306
71	The protein expression landscape of the <i>Arabidopsis</i> root. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6811-6818.	3.3	140
72	Analyzing Lateral Root Development: How to Move Forward. Plant Cell, 2012, 24, 15-20.	3.1	125

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73	Transcriptional Switches Direct Plant Organ Formation and Patterning. Current Topics in Developmental Biology, 2012, 98, 229-257.	1.0	19
74	Toward a Systems Analysis of the Root. Cold Spring Harbor Symposia on Quantitative Biology, 2012, 77, 91-96.	2.0	9
75	Growth control of root architecture. , 2012, , 373-386.		6
76	A Bistable Circuit Involving SCARECROW-RETINOBLASTOMA Integrates Cues to Inform Asymmetric Stem Cell Division. Cell, 2012, 150, 1002-1015.	13.5	273
77	High-throughput imaging and analysis of root system architecture in <i>Brachypodium distachyon</i> under differential nutrient availability. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1559-1569.	1.8	54
78	Promoting Collaborative Interdisciplinary Research at the Duke Center for Systems Biology. ACS Synthetic Biology, 2012, 1, 153-155.	1.9	0
79	GiA Roots: software for the high throughput analysis of plant root system architecture. BMC Plant Biology, 2012, 12, 116.	1.6	279
80	A microfluidic device and computational platform for high-throughput live imaging of gene expression. Nature Methods, 2012, 9, 1101-1106.	9.0	100
81	Patterning the primary root in <i>Arabidopsis</i>. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 675-691.	5.9	30
82	Control of <i>Arabidopsis</i> Root Development. Annual Review of Plant Biology, 2012, 63, 563-590.	8.6	558
83	High-resolution experimental and computational profiling of tissue-specific known and novel miRNAs in <i>Arabidopsis</i>. Genome Research, 2012, 22, 163-176.	2.4	140
84	Integrative systems biology: an attempt to describe a simple weed. Current Opinion in Plant Biology, 2012, 15, 162-167.	3.5	38
85	Cell typeâ€specific transcriptional profiling: implications for metabolite profiling. Plant Journal, 2012, 70, 5-17.	2.8	57
86	POWRS: Position-Sensitive Motif Discovery. PLoS ONE, 2012, 7, e40373.	1.1	9
87	Taking a Developmental Perspective on Systems Biology. Developmental Cell, 2011, 21, 27-28.	3.1	2
88	Cell Identity Regulators Link Development and Stress Responses in the Arabidopsis Root. Developmental Cell, 2011, 21, 770-782.	3.1	178
89	A steleâ€enriched gene regulatory network in the Arabidopsis root. Molecular Systems Biology, 2011, 7, 459.	3.2	145
90	Reconstructing regulatory network transitions. Trends in Cell Biology, 2011, 21, 442-451.	3.6	26

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91	From lab to field, new approaches to phenotyping root system architecture. Current Opinion in Plant Biology, 2011, 14, 310-317.	3.5	235
92	Time-based patterning in development. Transcription, 2011, 2, 124-129.	1.7	25
93	Detailed reconstruction of 3D plant root shape. , 2011, , .		24
94	Intercellular Communication during Plant Development. Plant Cell, 2011, 23, 855-864.	3.1	119
95	Omics meet networksâ€"using systems approaches to infer regulatory networks in plants. Current Opinion in Plant Biology, 2010, 13, 126-131.	3.5	132
96	Getting to the root of plant biology: impact of the Arabidopsis genome sequence on root research. Plant Journal, 2010, 61, 992-1000.	2.8	67
97	Cell signalling by microRNA165/6 directs gene dose-dependent root cell fate. Nature, 2010, 465, 316-321.	13.7	739
98	Optimizing root system architecture in biofuel crops for sustainable energy production and soil carbon sequestration. F1000 Biology Reports, 2010, 2, 65.	4.0	8
99	Information processing without brains â€" the power of intercellular regulators in plants. Development (Cambridge), 2010, 137, 1215-1226.	1.2	38
100	Imaging and Analysis Platform for Automatic Phenotyping and Trait Ranking of Plant Root Systems. Plant Physiology, 2010, 152, 1148-1157.	2.3	306
101	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
102	Integrated functional networks of process, tissue, and developmental stage specific interactions in Arabidopsis thaliana. BMC Systems Biology, 2010, 4, 180.	3.0	21
103	The bHLH Transcription Factor POPEYE Regulates Response to Iron Deficiency in<i>Arabidopsis</i>Roots Â. Plant Cell, 2010, 22, 2219-2236.	3.1	561
104	Transcriptional Regulation of ROS Controls Transition from Proliferation to Differentiation in the Root. Cell, 2010, 143, 606-616.	13.5	926
105	Shootward and rootward: peak terminology for plant polarity. Trends in Plant Science, 2010, 15, 593-594.	4.3	39
106	Oscillating Gene Expression Determines Competence for Periodic <i>Arabidopsis</i> Root Branching. Science, 2010, 329, 1306-1311.	6.0	532
107	Fluorescence-Activated Cell Sorting in Plant Developmental Biology. Methods in Molecular Biology, 2010, 655, 313-319.	0.4	38
108	Symmetry Breaking in Plants: Molecular Mechanisms Regulating Asymmetric Cell Divisions in Arabidopsis. Cold Spring Harbor Perspectives in Biology, 2009, 1, a000497-a000497.	2.3	40

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109	Cortex proliferation. Plant Signaling and Behavior, 2009, 4, 551-553.	1.2	18
110	Reconstructing spatiotemporal gene expression data from partial observations. Bioinformatics, 2009, 25, 2581-2587.	1.8	45
111	Functional genomics of root growth and development in Arabidopsis. Current Opinion in Plant Biology, 2009, 12, 165-171.	3.5	48
112	Arabidopsis <i>thaliana</i> as a model organism in systems biology. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2009, 1, 372-379.	6.6	35
113	Both the conserved GRAS domain and nuclear localization are required for SHORTâ€•ROOT movement. Plant Journal, 2009, 57, 785-797.	2.8	123
114	Interplay between SCARECROW, GA and LIKE HETEROCHROMATIN PROTEIN 1 in ground tissue patterning in the Arabidopsis root. Plant Journal, 2009, 58, 1016-1027.	2.8	103
115	Transcriptional networks in root cell fate specification. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 315-325.	0.9	34
116	An Auxin Gradient and Maximum in the<i>Arabidopsis</i>Root Apex Shown by High-Resolution Cell-Specific Analysis of IAA Distribution and Synthesis. Plant Cell, 2009, 21, 1659-1668.	3.1	439
117	The AUXIN BINDING PROTEIN 1 Is Required for Differential Auxin Responses Mediating Root Growth. PLoS ONE, 2009, 4, e6648.	1.1	124
118	The auxin influx carrier LAX3 promotes lateral root emergence. Nature Cell Biology, 2008, 10, 946-954.	4.6	715
119	Protonophoreâ€•and pHâ€•insensitive glucose and sucrose accumulation detected by FRET nanosensors in Arabidopsis root tips. Plant Journal, 2008, 56, 948-962.	2.8	116
120	Receptor-Like Kinase ACR4 Restricts Formative Cell Divisions in the <i>Arabidopsis</i> Root. Science, 2008, 322, 594-597.	6.0	342
121	Cell Identity Mediates the Response of <i>Arabidopsis</i> Roots to Abiotic Stress. Science, 2008, 320, 942-945.	6.0	700
122	Systems Approaches to Identifying Gene Regulatory Networks in Plants. Annual Review of Cell and Developmental Biology, 2008, 24, 81-103.	4.0	96
123	Root layers: complex regulation of developmental patterning. Current Opinion in Genetics and Development, 2008, 18, 354-361.	1.5	49
124	Plant Stem Cell Niches: Standing the Test of Time. Cell, 2008, 132, 553-557.	13.5	132
125	From Genotype to Phenotype: Systems Biology Meets Natural Variation. Science, 2008, 320, 495-497.	6.0	170
126	Intergenic and Genic Sequence Lengths Have Opposite Relationships with Respect to Gene Expression. PLoS ONE, 2008, 3, e3670.	1.1	23

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127	Combining Expression and Comparative Evolutionary Analysis. The COBRA Gene Family. Plant Physiology, 2007, 143, 172-187.	2.3	125
128	Evolution, Interactions, and Biological Networks. PLoS Biology, 2007, 5, e11.	2.6	33
129	An Evolutionarily Conserved Mechanism Delimiting SHR Movement Defines a Single Layer of Endodermis in Plants. Science, 2007, 316, 421-425.	6.0	522
130	A High-Resolution Root Spatiotemporal Map Reveals Dominant Expression Patterns. Science, 2007, 318, 801-806.	6.0	1,048
131	Additions and corrections: A systems approach to understanding root development. Canadian Journal of Botany, 2006, 84, 1508.	1.2	0
132	A systems approach to understanding root development. Canadian Journal of Botany, 2006, 84, 695-701.	1.2	3
133	Apicalâ€“basal polarity: why plant cells don't standon their heads. Trends in Plant Science, 2006, 11, 12-14.	4.3	37
134	Transcription factors and hormones: new insights into plant cell differentiation. Current Opinion in Cell Biology, 2006, 18, 710-714.	2.6	35
135	Quantification of transcription factor expression from Arabidopsis images. Bioinformatics, 2006, 22, e323-e331.	1.8	21
136	Unraveling the Dynamic Transcriptome. Plant Cell, 2006, 18, 2101-2111.	3.1	35
137	Transcriptional and posttranscriptional regulation of transcription factor expression in Arabidopsis roots. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6055-6060.	3.3	257
138	Whole-Genome Analysis of the SHORT-ROOT Developmental Pathway in Arabidopsis. PLoS Biology, 2006, 4, e143.	2.6	283
139	High-Throughput RNA Isolation Technologies. New Tools for High-Resolution Gene Expression Profiling in Plant Systems. Plant Physiology, 2005, 138, 585-590.	2.3	23
140	Cell typeâ€“specific expression profiling in plants via cell sorting of protoplasts from fluorescent reporter lines. Nature Methods, 2005, 2, 615-619.	9.0	276
141	Conservation and Diversification of SCARECROW in Maize. Plant Molecular Biology, 2005, 59, 619-630.	2.0	73
142	Developmental Networks. Plant Physiology, 2005, 138, 548-549.	2.3	2
143	COBRA, an Arabidopsis Extracellular Glycosyl-Phosphatidyl Inositol-Anchored Protein, Specifically Controls Highly Anisotropic Expansion through Its Involvement in Cellulose Microfibril Orientation. Plant Cell, 2005, 17, 1749-1763.	3.1	321
144	Not just another hole in the wall: understanding intercellular protein trafficking. Genes and Development, 2005, 19, 189-195.	2.7	82

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145	Maturation of the Ground Tissue of the Root Is Regulated by Gibberellin and SCARECROW and Requires SHORT-ROOT. Plant Physiology, 2005, 138, 636-640.	2.3	103
146	Transcriptional Profile of the Arabidopsis Root Quiescent Center. Plant Cell, 2005, 17, 1908-1925.	3.1	288
147	Signals that regulate stem cell activity during plant development. Current Opinion in Genetics and Development, 2005, 15, 388-394.	1.5	57
148	Stem Cell Research Goes Underground: The RETINOBLASTOMA-RELATED Gene in Root Development. Cell, 2005, 123, 1180-1182.	13.5	10
149	Beyond Arabidopsis. Translational Biology Meets Evolutionary Developmental Biology. Plant Physiology, 2004, 135, 611-614.	2.3	26
150	A broad competence to respond to SHORT ROOT revealed by tissue-specific ectopic expression. Development (Cambridge), 2004, 131, 2817-2826.	1.2	124
151	Network building: transcriptional circuits in the root. Current Opinion in Plant Biology, 2004, 7, 582-588.	3.5	36
152	Systems biology. Current Biology, 2004, 14, R179-R180.	1.8	18
153	Mechanisms Regulating SHORT-ROOT Intercellular Movement. Current Biology, 2004, 14, 1847-1851.	1.8	203
154	Development and Ecology in the Time of Systems Biology. Developmental Cell, 2004, 7, 329-330.	3.1	3
155	A Common Switch used by Plants and Animals. Cell, 2004, 116, 4-5.	13.5	4
156	Trait-to-Gene. Current Biology, 2003, 13, 129-133.	1.8	32
157	A Gene Expression Map of the Arabidopsis Root. Science, 2003, 302, 1956-1960.	6.0	1,161
158	Integrating gene flow, crop biology, and farm management in onâ€farm conservation of avocado (<i>Persea americana</i>, Lauraceae). American Journal of Botany, 2003, 90, 1619-1627.	0.8	11
159	The COBRA Family of Putative GPI-Anchored Proteins in Arabidopsis. A New Fellowship in Expansion. Plant Physiology, 2002, 130, 538-548.	2.3	143
160	Arabidopsis Functional Genomics. Plant Physiology, 2002, 129, 393-393.	2.3	8
161	Using Cauliflower to Find Conserved Non-Coding Regions in Arabidopsis. Plant Physiology, 2002, 129, 451-454.	2.3	29
162	Two New Loci, PLEIADE and HYADE, Implicate Organ-Specific Regulation of Cytokinesis in Arabidopsis. Plant Physiology, 2002, 130, 312-324.	2.3	50

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163	Auxin Action: Slogging out of the Swamp. Current Biology, 2002, 12, R389-R390.	1.8	12
164	managedpop: a computer simulation to project allelic diversity in managed populations with overlapping generations. Molecular Ecology Notes, 2002, 2, 615-617.	1.7	2
165	Axis formation and polarity in plants. Current Opinion in Genetics and Development, 2001, 11, 405-409.	1.5	13
166	Intercellular movement of the putative transcription factor SHR in root patterning. Nature, 2001, 413, 307-311.	13.7	766
167	Signaling the tips: Regulation of stem cell function in plants. Differentiation, 2001, 68, 155-158.	1.0	0
168	COBRA encodes a putative GPI-anchored protein, which is polarly localized and necessary for oriented cell expansion in Arabidopsis. Genes and Development, 2001, 15, 1115-1127.	2.7	335
169	Transcriptional Networks Controlling Plant Development: Fig. 1.. Plant Physiology, 2001, 125, 109-111.	2.3	16
170	Root development. Current Biology, 2000, 10, R813-R815.	1.8	138
171	A novel two-component hybrid molecule regulates vascular morphogenesis of the Arabidopsis root. Genes and Development, 2000, 14, 2938-2943.	2.7	499
172	Molecular Analysis of the SCARECROW Gene in Maize Reveals a Common Basis for Radial Patterning in Diverse Meristems. Plant Cell, 2000, 12, 1307-1318.	3.1	95
173	The SHORT-ROOT Gene Controls Radial Patterning of the Arabidopsis Root through Radial Signaling. Cell, 2000, 101, 555-567.	13.5	1,007
174	The GRAS gene family in Arabidopsis: sequence characterization and basic expression analysis of the SCARECROW-LIKE genes. Plant Journal, 1999, 18, 111-119.	2.8	572
175	Stem cells:. Current Biology, 1999, 9, R171-R172.	1.8	48
176	Is the shoot a root with a view?. Current Opinion in Plant Biology, 1999, 2, 39-43.	3.5	26
177	An Auxin-Dependent Distal Organizer of Pattern and Polarity in the Arabidopsis Root. Cell, 1999, 99, 463-472.	13.5	1,233
178	ASYMMETRIC CELL DIVISION IN PLANTS. Annual Review of Plant Biology, 1999, 50, 505-537.	14.2	117
179	Genetic evidence that the endodermis is essential for shoot gravitropism inArabidopsis thaliana. Plant Journal, 1998, 14, 425-430.	2.8	334
180	Down and out in Arabidopsis: the formation of lateral roots. Trends in Plant Science, 1997, 2, 390-396.	4.3	149

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181	Analysis of SCARECROW expression using a rapid system for assessing transgene expression in Arabidopsis roots. Plant Journal, 1997, 12, 957-963.	2.8	37
182	Root development: Signaling down and around. BioEssays, 1997, 19, 959-965.	1.2	3
183	The SCARECROW Gene Regulates an Asymmetric Cell Division That Is Essential for Generating the Radial Organization of the Arabidopsis Root. Cell, 1996, 86, 423-433.	13.5	998
184	Getting to the root of plant development: the genetics of Arabidopsis root formation. Trends in Genetics, 1994, 10, 84-88.	2.9	61
185	The Genetic and Molecular Basis of Root Development. Annual Review of Plant Biology, 1994, 45, 25-45.	14.2	101
186	International Symposium on the Molecular Genetics of Root Development. Plant Molecular Biology Reporter, 1993, 11, 60-64.	1.0	0
187	Genes that regulate plant development. Plant Science, 1992, 83, 115-126.	1.7	9
188	Appointments and awards. Plant Molecular Biology Reporter, 1992, 10, 4-4.	1.0	0
189	Sequence Requirements of the 5-Enolpyruvylshikimate-3-Phosphate Synthase 5'-Upstream Region for Tissue-Specific Expression in Flowers and Seedlings. Plant Cell, 1990, 2, 849.	3.1	22
190	Studying Root Development Using a Genomic Approach. , 0, , 325-351.		3
191	Development and Systems Biology: Riding the Genomics Wave towards a Systems Understanding of Root Development. , 0, , 304-330.		0