

Liam Dolan

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

16,619
citations

19608

61
h-index

16605

123
g-index

233
all docs

233
docs citations

233
times ranked

14595
citing authors

#	ARTICLE	IF	CITATIONS
1	Fifteen compelling open questions in plant cell biology. <i>Plant Cell</i> , 2022, 34, 72-102.	3.1	27
2	The <i>New Phytologist</i> Tansley Medal 2021 â€“ MichaÅ, Bogdziewicz and Anna T. Trugman. <i>New Phytologist</i> , 2022, 234, 5-6.	3.5	2
3	The <i>New Phytologist</i> Tansley Medal 2020 â€“ Tommaso Jucker. <i>New Phytologist</i> , 2022, 233, 583-584.	3.5	1
4	Loss of two families of SPX domain-containing proteins required for vacuolar polyphosphate accumulation coincides with the transition to phosphate storage in green plants. <i>Molecular Plant</i> , 2021, 14, 838-846.	3.9	24
5	Microtubule associated protein WAVE DAMPENED2-LIKE (WDL) controls microtubule bundling and the stability of the site of tip-growth in <i>Marchantia polymorpha</i> rhizoids. <i>PLoS Genetics</i> , 2021, 17, e1009533.	1.5	9
6	An evidence-based 3D reconstruction of <i>Asteroxylon mackiei</i> , the most complex plant preserved from the Rhynie chert. <i>ELife</i> , 2021, 10, .	2.8	15
7	The <i>New Phytologist</i> Tansley Medal 2019 â€“ Philippa Borrill and Kai Zhu. <i>New Phytologist</i> , 2020, 228, 1697-1697.	3.5	2
8	The <i>New Phytologist</i> Tansley Medal 2018 â€“ Liana Burghardt and Jana Sperschneider. <i>New Phytologist</i> , 2020, 228, 5-5.	3.5	3
9	Gene expression data support the hypothesis that <i>Isoetes</i> rootlets are true roots and not modified leaves. <i>Scientific Reports</i> , 2020, 10, 21547.	1.6	9
10	Multiple origins of dichotomous and lateral branching during root evolution. <i>Nature Plants</i> , 2020, 6, 454-459.	4.7	19
11	Plant Evolution: An Ancient Mechanism Protects Plants and Algae from Heat Stress. <i>Current Biology</i> , 2020, 30, R277-R278.	1.8	2
12	Multiple Metabolic Innovations and Losses Are Associated with Major Transitions in Land Plant Evolution. <i>Current Biology</i> , 2020, 30, 1783-1800.e11.	1.8	42
13	MpFEW RHIZOIDS1 miRNA-Mediated Lateral Inhibition Controls Rhizoid Cell Patterning in <i>Marchantia polymorpha</i> . <i>Current Biology</i> , 2020, 30, 1905-1915.e4.	1.8	29
14	An Evolutionarily Conserved Receptor-like Kinases Signaling Module Controls Cell Wall Integrity During Tip Growth. <i>Current Biology</i> , 2019, 29, 3899-3908.e3.	1.8	27
15	Evolution: Diversification of Angiosperm Rooting Systems in the Early Cretaceous. <i>Current Biology</i> , 2019, 29, R1081-R1083.	1.8	10
16	Neofunctionalisation of basic helix~loop~helix proteins occurred when embryophytes colonised the land. <i>New Phytologist</i> , 2019, 223, 993-1008.	3.5	18
17	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs. <i>PLoS Biology</i> , 2019, 17, e3000560.	2.6	34
18	Rhynie chert fossils demonstrate the independent origin and gradual evolution of lycophyte roots. <i>Current Opinion in Plant Biology</i> , 2019, 47, 119-126.	3.5	31

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19	Identification of vacuolar phosphate efflux transporters in land plants. <i>Nature Plants</i> , 2019, 5, 84-94.	4.7	115
20	Evolutionary and Functional Analysis of a Chara Plasma Membrane H ⁺ -ATPase. <i>Frontiers in Plant Science</i> , 2019, 10, 1707.	1.7	10
21	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs. , 2019, 17, e3000560.		0
22	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs. , 2019, 17, e3000560.		0
23	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs. , 2019, 17, e3000560.		0
24	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs. , 2019, 17, e3000560.		0
25	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs. , 2019, 17, e3000560.		0
26	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs. , 2019, 17, e3000560.		0
27	A mechanistic framework for auxin dependent Arabidopsis root hair elongation to low external phosphate. <i>Nature Communications</i> , 2018, 9, 1409.	5.8	146
28	Do longer root hairs improve phosphorus uptake? Testing the hypothesis with transgenic <i>Brachypodium distachyon</i> lines overexpressing endogenous RSL genes. <i>New Phytologist</i> , 2018, 217, 1654-1666.	3.5	68
29	History and contemporary significance of the Rhynie cherts—our earliest preserved terrestrial ecosystem. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160489.	1.8	73
30	Bilaterally symmetric axes with rhizoids composed the rooting structure of the common ancestor of vascular plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170042.	1.8	21
31	PtdIns(3,5)P ₂ mediates root hair shank hardening in Arabidopsis. <i>Nature Plants</i> , 2018, 4, 888-897.	4.7	57
32	The <i>New Phytologist</i> Tansley Medal 2017. <i>New Phytologist</i> , 2018, 219, 5-5.	3.5	6
33	Dedication: Nigel Trewin (1944–2017). <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170365.	1.8	0
34	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. <i>Cell</i> , 2018, 174, 448-464.e24.	13.5	420
35	Stepwise and independent origins of roots among land plants. <i>Nature</i> , 2018, 561, 235-238.	13.7	91
36	Negative regulation of conserved RSL class I bHLH transcription factors evolved independently among land plants. <i>ELife</i> , 2018, 7, .	2.8	31

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37	Functional <i>PTB</i> phosphate transporters are present in streptophyte algae and early diverging land plants. <i>New Phytologist</i> , 2017, 214, 1158-1171.	3.5	25
38	<i>WIP</i> regulates air pore complex development in the liverwort <i>Marchantia polymorpha</i> . <i>Development</i> (Cambridge), 2017, 144, 1472-1476.	1.2	48
39	The evolution of lycopsid rooting structures: conservatism and disparity. <i>New Phytologist</i> , 2017, 215, 538-544.	3.5	51
40	The <i>New Phytologist</i> Tansley Medal 2016. <i>New Phytologist</i> , 2017, 213, 1561-1561.	3.5	6
41	Root hair development in grasses and cereals (Poaceae). <i>Current Opinion in Genetics and Development</i> , 2017, 45, 76-81.	1.5	21
42	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017, 171, 287-304.e15.	13.5	973
43	RSL class I genes positively regulate root hair development in <i>Oryza sativa</i> . <i>New Phytologist</i> , 2017, 213, 314-323.	3.5	32
44	Networks of highly branched stigmarian rootlets developed on the first giant trees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6695-6700.	3.3	51
45	The <i>New Phytologist</i> Tansley Medal 2015. <i>New Phytologist</i> , 2016, 210, 5-5.	3.5	8
46	Mapping of quantitative trait loci for root hair length in wheat identifies loci that co-locate with loci for yield components. <i>Journal of Experimental Botany</i> , 2016, 67, 4535-4543.	2.4	35
47	The Stepwise Increase in the Number of Transcription Factor Families in the Precambrian Predated the Diversification of Plants On Land. <i>Molecular Biology and Evolution</i> , 2016, 33, 2815-2819.	3.5	86
48	Diversification of a Transcription Factor Family Led to the Evolution of Antagonistically Acting Genetic Regulators of Root Hair Growth. <i>Current Biology</i> , 2016, 26, 1622-1628.	1.8	92
49	<i>ROOT HAIR DEFECTIVE SIX</i> <i>LIKE</i> 4 (<i>RSL</i> 4) promotes root hair elongation by transcriptionally regulating the expression of genes required for cell growth. <i>New Phytologist</i> , 2016, 212, 944-953.	3.5	83
50	Growth regulation in tip-growing cells that develop on the epidermis. <i>Current Opinion in Plant Biology</i> , 2016, 34, 77-83.	3.5	20
51	The Mechanism Forming the Cell Surface of Tip-Growing Rooting Cells Is Conserved among Land Plants. <i>Current Biology</i> , 2016, 26, 3238-3244.	1.8	115
52	Unique Cellular Organization in the Oldest Root Meristem. <i>Current Biology</i> , 2016, 26, 1629-1633.	1.8	26
53	Liam Dolan. <i>Current Biology</i> , 2016, 26, R85-R86.	1.8	0
54	A Transcriptome Atlas of <i>Physcomitrella patens</i> Provides Insights into the Evolution and Development of Land Plants. <i>Molecular Plant</i> , 2016, 9, 205-220.	3.9	197

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55	The Naming of Names: Guidelines for Gene Nomenclature in <i>Marchantia</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 257-261.	1.5	60
56	RSL Class I Genes Controlled the Development of Epidermal Structures in the Common Ancestor of Land Plants. <i>Current Biology</i> , 2016, 26, 93-99.	1.8	129
57	ROOT HAIR DEFECTIVE SIX-LIKE Class I Genes Promote Root Hair Development in the Grass <i>Brachypodium distachyon</i> . <i>PLoS Genetics</i> , 2016, 12, e1006211.	1.5	54
58	The <i>New Phytologist</i> Tansley Medal 2014. <i>New Phytologist</i> , 2015, 205, 951-952.	3.5	9
59	Introducing Tansley insights – short and timely, focussed reviews within the plant sciences. <i>New Phytologist</i> , 2015, 205, 953-954.	3.5	1
60	Intensity of a pulse of RSL4 transcription factor synthesis determines <i>Arabidopsis</i> root hair cell size. <i>Nature Plants</i> , 2015, 1, 15138.	4.7	84
61	Conserved regulatory mechanism controls the development of cells with rooting functions in land plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3959-68.	3.3	82
62	Identification of Reference Genes for Real-Time Quantitative PCR Experiments in the Liverwort <i>Marchantia polymorpha</i> . <i>PLoS ONE</i> , 2015, 10, e0118678.	1.1	73
63	The <i>New Phytologist</i> Tansley Medals 2013. <i>New Phytologist</i> , 2014, 201, 1077-1078.	3.5	10
64	Symmetric Development: Transcriptional Regulation of Symmetry Transition in Plants. <i>Current Biology</i> , 2014, 24, R1172-R1174.	1.8	1
65	Transcriptional profiling of <i>Arabidopsis</i> root hairs and pollen defines an apical cell growth signature. <i>BMC Plant Biology</i> , 2014, 14, 197.	1.6	49
66	Sustainable Intensification in Agriculture: Premises and Policies. <i>Science</i> , 2013, 341, 33-34.	6.0	1,233
67	Pointing PINs in the right directions: a potassium transporter is required for the polar localization of auxin efflux carriers. <i>New Phytologist</i> , 2013, 197, 1027-1028.	3.5	18
68	The <i>New Phytologist</i> Tansley Medal 2012. <i>New Phytologist</i> , 2013, 197, 1025-1026.	3.5	11
69	Recruitment and remodeling of an ancient gene regulatory network during land plant evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9571-9576.	3.3	123
70	Morphological evolution in land plants: new designs with old genes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 508-518.	1.8	198
71	Endodermal cell-cell contact is required for the spatial control of Casparian band development in <i>Arabidopsis thaliana</i> . <i>Annals of Botany</i> , 2012, 110, 361-371.	1.4	37
72	The evolution of root hairs and rhizoids. <i>Annals of Botany</i> , 2012, 110, 205-212.	1.4	136

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73	First plants cooled the Ordovician. <i>Nature Geoscience</i> , 2012, 5, 86-89.	5.4	261
74	The <i>New Phytologist</i> Tansley medal 2011. <i>New Phytologist</i> , 2012, 193, 821-822.	3.5	14
75	Auxin promotes the transition from chloronema to caulonema in moss protonema by positively regulating PpRSL1 and PpRSL2 in <i>Physcomitrella patens</i> . <i>New Phytologist</i> , 2011, 192, 319-327.	3.5	59
76	Root hair development involves asymmetric cell division in <i>Brachypodium distachyon</i> and symmetric division in <i>Oryza sativa</i> . <i>New Phytologist</i> , 2011, 192, 601-610.	3.5	61
77	Root hairs: development, growth and evolution at the plant-soil interface. <i>Plant and Soil</i> , 2011, 346, 1-14.	1.8	135
78	RSL genes are sufficient for rhizoid system development in early diverging land plants. <i>Development (Cambridge)</i> , 2011, 138, 2273-2281.	1.2	79
79	Early evolution of bHLH proteins in plants. <i>Plant Signaling and Behavior</i> , 2010, 5, 911-912.	1.2	43
80	SCHIZORIZA Controls Tissue System Complexity in Plants. <i>Current Biology</i> , 2010, 20, 818-823.	1.8	59
81	A basic helix-loop-helix transcription factor controls cell growth and size in root hairs. <i>Nature Genetics</i> , 2010, 42, 264-267.	9.4	295
82	Origin and Diversification of Basic-Helix-Loop-Helix Proteins in Plants. <i>Molecular Biology and Evolution</i> , 2010, 27, 862-874.	3.5	503
83	Body building on land – morphological evolution of land plants. <i>Current Opinion in Plant Biology</i> , 2009, 12, 4-8.	3.5	35
84	Meristems: The Root of Stem Cell Regulation. <i>Current Biology</i> , 2009, 19, R459-R460.	1.8	6
85	Identification of the <i>Arabidopsis dry2</i> mutant reveals a central role for sterols in drought tolerance and regulation of reactive oxygen species. <i>Plant Journal</i> , 2009, 59, 63-76.	2.8	114
86	In situ Analysis of Gene Expression in Plants. <i>Methods in Molecular Biology</i> , 2009, 513, 229-242.	0.4	5
87	Reactive Oxygen Species in Growth and Development. <i>Signaling and Communication in Plants</i> , 2009, , 43-53.	0.5	11
88	NADPH oxidase involvement in cellular integrity. <i>Planta</i> , 2008, 227, 1415-1418.	1.6	32
89	Chromatin and <i>Arabidopsis</i> root development. <i>Seminars in Cell and Developmental Biology</i> , 2008, 19, 580-585.	2.3	7
90	Plant Evolution: TALES of Development. <i>Cell</i> , 2008, 133, 771-773.	13.5	4

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91	Local Positive Feedback Regulation Determines Cell Shape in Root Hair Cells. <i>Science</i> , 2008, 319, 1241-1244.	6.0	486
92	A Mutual Support Mechanism through Intercellular Movement of CAPRICE and GLABRA3 Can Pattern the Arabidopsis Root Epidermis. <i>PLoS Biology</i> , 2008, 6, e235.	2.6	78
93	Proximalâ€œdistal patterns of transcription factor gene expression during Arabidopsis root development. <i>Journal of Experimental Botany</i> , 2008, 59, 235-245.	2.4	9
94	OsCSLD1, a Cellulose Synthase-Like D1 Gene, Is Required for Root Hair Morphogenesis in Rice. <i>Plant Physiology</i> , 2007, 143, 1220-1230.	2.3	166
95	PLANT SCIENCE: SCARECROWs at the Border. <i>Science</i> , 2007, 316, 377-378.	6.0	9
96	An Ancient Mechanism Controls the Development of Cells with a Rooting Function in Land Plants. <i>Science</i> , 2007, 316, 1477-1480.	6.0	402
97	Both chloronemal and caulonemal cells expand by tip growth in the moss <i>Physcomitrella patens</i> . <i>Journal of Experimental Botany</i> , 2007, 58, 1843-1849.	2.4	125
98	Oxylipins Produced by the 9-Lipoxygenase Pathway in Arabidopsis Regulate Lateral Root Development and Defense Responses through a Specific Signaling Cascade. <i>Plant Cell</i> , 2007, 19, 831-846.	3.1	304
99	Ethylene Modulates Stem Cell Division in the <i>Arabidopsis thaliana</i> Root. <i>Science</i> , 2007, 317, 507-510.	6.0	201
100	Control of Plant Development by Reactive Oxygen Species. <i>Plant Physiology</i> , 2006, 141, 341-345.	2.3	444
101	A Distant Coilin Homologue Is Required for the Formation of Cajal Bodies in Arabidopsis. <i>Molecular Biology of the Cell</i> , 2006, 17, 2942-2951.	0.9	122
102	Positional information and mobile transcriptional regulators determine cell pattern in the Arabidopsis root epidermis. <i>Journal of Experimental Botany</i> , 2006, 57, 51-54.	2.4	44
103	The role of reactive oxygen species in cell growth: lessons from root hairs. <i>Journal of Experimental Botany</i> , 2006, 57, 1829-1834.	2.4	203
104	Threeâ€œdimensional modelling of wheat endosperm development. <i>New Phytologist</i> , 2005, 168, 253-262.	3.5	21
105	A RhoGDP dissociation inhibitor spatially regulates growth in root hair cells. <i>Nature</i> , 2005, 438, 1013-1016.	13.7	327
106	Systematic Spatial Analysis of Gene Expression during Wheat Caryopsis Development. <i>Plant Cell</i> , 2005, 17, 2172-2185.	3.1	112
107	A streamlined method for systematic, high resolution in situ analysis of mRNA distribution in plants. <i>Plant Methods</i> , 2005, 1, 8.	1.9	21
108	Potassium carrier TRH1 is required for auxin transport in Arabidopsis roots. <i>Plant Journal</i> , 2004, 40, 523-535.	2.8	177

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109	Cell expansion in roots. <i>Current Opinion in Plant Biology</i> , 2004, 7, 33-39.	3.5	125
110	Reactive oxygen species produced by NADPH oxidase regulate plant cell growth. <i>Nature</i> , 2003, 422, 442-446.	13.7	1,999
111	Epidermal patterning genes are active during embryogenesis in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2003, 130, 2893-2901.	1.2	34
112	AKT1 and TRH1 are required during root hair elongation in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2003, 54, 781-788.	2.4	77
113	The Development of Cell Pattern in the <i>Arabidopsis</i> Root Epidermis. , 2003, , 129-137.		0
114	Root Development. <i>The Arabidopsis Book</i> , 2002, 1, e0101.	0.5	146
115	Building a hair: tip growth in <i>Arabidopsis thaliana</i> root hairs. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 815-821.	1.8	133
116	Galactose Biosynthesis in <i>Arabidopsis</i> . <i>Current Biology</i> , 2002, 12, 1840-1845.	1.8	153
117	Cell specification in the <i>Arabidopsis</i> root epidermis requires the activity of <i>ECTOPIC ROOT HAIR 3</i> a katanin-p60 protein. <i>Development (Cambridge)</i> , 2002, 129, 123-131.	1.2	110
118	<i>SCHIZORIZA</i> controls an asymmetric cell division and restricts epidermal identity in the <i>Arabidopsis</i> root. <i>Development (Cambridge)</i> , 2002, 129, 4327-4334.	1.2	51
119	Root Hairs as a Model System for Studying Plant Cell Growth. <i>Annals of Botany</i> , 2001, 88, 1-7.	1.4	72
120	The role of ethylene in root hair growth in <i>Arabidopsis</i> . <i>Journal of Plant Nutrition and Soil Science</i> , 2001, 164, 141-145.	1.1	72
121	Cell biology and genetics of root hair formation in <i>Arabidopsis thaliana</i> . <i>Protoplasma</i> , 2001, 215, 140-149.	1.0	52
122	Plant development: The benefits of a change of scene. <i>Current Biology</i> , 2001, 11, R702-R704.	1.8	1
123	Root patterning: <i>SHORT ROOT</i> on the move. <i>Current Biology</i> , 2001, 11, R983-R985.	1.8	7
124	How and where to build a root hair. <i>Current Opinion in Plant Biology</i> , 2001, 4, 550-554.	3.5	40
125	Evolution and genetics of root hair stripes in the root epidermis. <i>Journal of Experimental Botany</i> , 2001, 52, 413-417.	2.4	85
126	TRH1 Encodes a Potassium Transporter Required for Tip Growth in <i>Arabidopsis</i> Root Hairs. <i>Plant Cell</i> , 2001, 13, 139-151.	3.1	276

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127	KOJAK encodes a cellulose synthase-like protein required for root hair cell morphogenesis in Arabidopsis. <i>Genes and Development</i> , 2001, 15, 79-89.	2.7	232
128	Evolution and genetics of root hair stripes in the root epidermis. <i>Journal of Experimental Botany</i> , 2001, 52, 413-417.	2.4	49
129	The nucleus: a highly organized but dynamic structure. <i>Journal of Microscopy</i> , 2000, 198, 199-207.	0.8	20
130	Clonal analysis of the Arabidopsis root confirms that position, not lineage, determines cell fate. <i>Planta</i> , 2000, 211, 191-199.	1.6	145
131	Genetic Interactions during Root Hair Morphogenesis in Arabidopsis. <i>Plant Cell</i> , 2000, 12, 1961.	3.1	3
132	Genetic Interactions during Root Hair Morphogenesis in Arabidopsis. <i>Plant Cell</i> , 2000, 12, 1961-1974.	3.1	207
133	Development of the root pole and cell patterning in Arabidopsis roots. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 405-409.	1.5	22
134	The Movement of Coiled Bodies Visualized in Living Plant Cells by the Green Fluorescent Protein. <i>Molecular Biology of the Cell</i> , 1999, 10, 2297-2307.	0.9	138
135	Differential ethylene sensitivity of epidermal cells is involved in the establishment of cell pattern in the Arabidopsis root. <i>Physiologia Plantarum</i> , 1999, 106, 311-317.	2.6	57
136	Signalling in cell type specification. <i>Seminars in Cell and Developmental Biology</i> , 1999, 10, 149-156.	2.3	10
137	Root Development in Arabidopsis. , 1999, , 133-144.		1
138	Positional information in root epidermis is defined during embryogenesis and acts in domains with strict boundaries. <i>Current Biology</i> , 1998, 8, 421-430.	1.8	162
139	TIP1 is required for both tip growth and non-tip growth in Arabidopsis. <i>New Phytologist</i> , 1998, 138, 49-58.	3.5	78
140	Root pattern: Shooting in the dark?. <i>Seminars in Cell and Developmental Biology</i> , 1998, 9, 201-206.	2.3	18
141	Control of Cell Division in the Root Epidermis of Arabidopsis thaliana. <i>Developmental Biology</i> , 1998, 194, 235-245.	0.9	166
142	Stomata Patterning on the Hypocotyl of Arabidopsis thaliana Controlled by Genes Involved in the Control of Root Epidermis Patterning. <i>Developmental Biology</i> , 1998, 194, 226-234.	0.9	118
143	Pointing roots in the right direction: the role of auxin transport in response to gravity. <i>Genes and Development</i> , 1998, 12, 2091-2095.	2.7	29
144	The ROOT HAIRLESS 1 gene encodes a nuclear protein required for root hair initiation in Arabidopsis. <i>Genes and Development</i> , 1998, 12, 2013-2021.	2.7	67

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145	A model system to study the effects of elevated CO ₂ on the developmental physiology of roots: the use of <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 1998, 49, 593-597.	2.4	34
146	The Okra leaf shape mutation in cotton is active in all cell layers of the leaf. <i>American Journal of Botany</i> , 1998, 85, 322-327.	0.8	25
147	Developmental regulation of pectic polysaccharides in the root meristem of <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 1997, 48, 713-720.	2.4	46
148	The role of ethylene in the development of plant form. <i>Journal of Experimental Botany</i> , 1997, 48, 201-210.	2.4	59
149	The COW1 Locus of <i>Arabidopsis</i> Acts after RHD2, and in Parallel with RHD3 and TIP1, to Determine the Shape, Rate of Elongation, and Number of Root Hairs Produced from Each Site of Hair Formation. <i>Plant Physiology</i> , 1997, 115, 981-990.	2.3	81
150	Scarecrow: Specifying asymmetric cell divisions throughout development. <i>Trends in Plant Science</i> , 1997, 2, 1-2.	4.3	17
151	The <i>Arabidopsis</i> Athb-10 (GLABRA2) is an HD-Zip protein required for regulation of root hair development. <i>Plant Journal</i> , 1996, 10, 393-402.	2.8	340
152	Pattern in the Root Epidermis: An Interplay of Diffusible Signals and Cellular Geometry. <i>Annals of Botany</i> , 1996, 77, 547-553.	1.4	9
153	Two ways to skin a plant: The analysis of root and shoot epidermal development in <i>Arabidopsis</i> . <i>BioEssays</i> , 1995, 17, 865-872.	1.2	10
154	Ethylene is a positive regulator of root hair development in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 1995, 8, 943-948.	2.8	294
155	Secondary thickening in roots of <i>Arabidopsis thaliana</i> : anatomy and cell surface changes. <i>New Phytologist</i> , 1995, 131, 121-128.	3.5	81
156	An AGP epitope distinguishes a central metaxylem initial from other vascular initials in the <i>Arabidopsis</i> root. <i>Protoplasma</i> , 1995, 189, 149-155.	1.0	57
157	Effects of elevated CO ₂ on cellular mechanisms, growth and development of trees with particular reference to hybrid poplar. <i>Forestry</i> , 1995, 68, 379-390.	1.2	14
158	Plant development: pulled up by the roots. <i>Current Opinion in Genetics and Development</i> , 1995, 5, 432-438.	1.5	23
159	Immunolabelling of cell surfaces of <i>Arabidopsis thaliana</i> roots following infection by <i>Meloidogyne incognita</i> (Nematoda). <i>Journal of Experimental Botany</i> , 1995, 46, 1711-1720.	2.4	20
160	Import of precursor proteins into <i>Vicia faba</i> mitochondria. <i>FEBS Letters</i> , 1988, 236, 217-220.	1.3	22
161	Root Epidermal Development in <i>Arabidopsis</i> . , 0 , 64-82.		1