

Peter Doerner

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

5,726
citations

257101

24
h-index

233125

45
g-index

50
all docs

50
docs citations

50
times ranked

6870
citing authors

#	ARTICLE	IF	CITATIONS
1	Affordable and robust phenotyping framework to analyse root system architecture of soil-grown plants. <i>Plant Journal</i> , 2020, 103, 2330-2343.	2.8	29
2	Extreme environments: crucibles of potent abiotic stress tolerance. <i>Journal of Experimental Botany</i> , 2020, 71, 3761-3764.	2.4	4
3	The impact of the rhizobia-legume symbiosis on host root system architecture. <i>Journal of Experimental Botany</i> , 2020, 71, 3902-3921.	2.4	36
4	Leaf Counting Without Annotations Using Adversarial Unsupervised Domain Adaptation. , 2019, , .		21
5	Inducible reporter/driver lines for the Arabidopsis root with intrinsic reporting of activity state. <i>Plant Journal</i> , 2019, 98, 153-164.	2.8	5
6	The Phosphate Fast-Responsive Genes <i>PECP1</i> and <i>PPsPase1</i> Affect Phosphocholine and Phosphoethanolamine Content. <i>Plant Physiology</i> , 2018, 176, 2943-2962.	2.3	22
7	Pheno-Deep Counter: a unified and versatile deep learning architecture for leaf counting. <i>Plant Journal</i> , 2018, 96, 880-890.	2.8	72
8	The plant-specific <i>CDKB</i> - <i>CYCB</i> 1 complex mediates homologous recombination repair in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2016, 35, 2068-2086.	3.5	119
9	Longitudinal zonation pattern in <i>Arabidopsis</i> root tip defined by a multiple structural change algorithm. <i>Annals of Botany</i> , 2016, 118, 763-776.	1.4	30
10	Root resource foraging: does it matter?. <i>Frontiers in Plant Science</i> , 2013, 4, 303.	1.7	17
11	Genetic and molecular basis of nonhost disease resistance: complex, yes; silver bullet, no. <i>Current Opinion in Plant Biology</i> , 2012, 15, 400-406.	3.5	55
12	<i>Pseudomonas sax</i> Genes Overcome Aliphatic Isothiocyanate-Mediated Non-Host Resistance in <i>Arabidopsis</i> . <i>Science</i> , 2011, 331, 1185-1188.	6.0	179
13	Plant Development: Confused Root Cells Have Mixed Identity in SCHIZORIZA. <i>Current Biology</i> , 2010, 20, R246-R248.	1.8	0
14	<i>Arabidopsis</i> DUO POLLEN3 Is a Key Regulator of Male Germline Development and Embryogenesis. <i>Plant Cell</i> , 2009, 21, 1940-1956.	3.1	82
15	Gibberellin Signaling in the Endodermis Controls Arabidopsis Root Meristem Size. <i>Current Biology</i> , 2009, 19, 1194-1199.	1.8	360
16	Abscisic Acid Has a Key Role in Modulating Diverse Plant-Pathogen Interactions. <i>Plant Physiology</i> , 2009, 150, 1750-1761.	2.3	314
17	Plant Roots: Recycled Auxin Energizes Patterning and Growth. <i>Current Biology</i> , 2008, 18, R72-R74.	1.8	8
18	Phosphate starvation signaling: a threesome controls systemic Pi homeostasis. <i>Current Opinion in Plant Biology</i> , 2008, 11, 536-540.	3.5	102

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19	Phenotypic Analysis of <i>Arabidopsis</i> Mutants: Quantitative Analysis of Root Growth. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4960.	0.2	8
20	Transcriptional Control of the Plant Cell Cycle. Plant Cell Monographs, 2007, , 13-32.	0.4	3
21	Cell division activity determines the magnitude of phosphate starvation responses in <i>Arabidopsis</i> . Plant Journal, 2007, 50, 545-556.	2.8	74
22	Plant Meristems: Cytokinins – The Alpha and Omega of the Meristem. Current Biology, 2007, 17, R321-R323.	1.8	16
23	Signals and Mechanisms in the Control of Plant Growth. , 2007, , 1-23.		3
24	ATR and ATM play both distinct and additive roles in response to ionizing radiation. Plant Journal, 2006, 48, 947-961.	2.8	287
25	Plant Meristems: What You See Is What You Get?. Current Biology, 2006, 16, R56-R58.	1.8	6
26	Plant Meristems: The Fiendish SU DOKU of Stem-Cell Maintenance. Current Biology, 2006, 16, R199-R201.	1.8	4
27	<i>Arabidopsis</i> REGULATOR OF AXILLARY MERISTEMS1 Controls a Leaf Axil Stem Cell Niche and Modulates Vegetative Development. Plant Cell, 2006, 18, 598-611.	3.1	196
28	<i>Arabidopsis</i> TCP20 links regulation of growth and cell division control pathways. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12978-12983.	3.3	310
29	Plant Meristems: A Merry-Go-Round of Signals Review. Current Biology, 2003, 13, R368-R374.	1.8	42
30	A putative lipid transfer protein involved in systemic resistance signalling in <i>Arabidopsis</i> . Nature, 2002, 419, 399-403.	13.7	709
31	KAP-2, a protein that binds to the H-box in a bean chalcone synthase promoter, is a novel plant transcription factor with sequence identity to the large subunit of human Ku autoantigen. Plant Molecular Biology, 2002, 49, 503-514.	2.0	18
32	Early primordium morphogenesis during lateral root initiation in <i>Arabidopsis thaliana</i> . Planta, 2001, 214, 30-36.	1.6	155
33	Evidence for a role in growth and salt resistance of a plasma membrane H ⁺ -ATPase in the root endodermis. Plant Journal, 2001, 27, 191-201.	2.8	127
34	Plant meristems: A ménage à trois to end it all. Current Biology, 2001, 11, R785-R787.	1.8	6
35	Cell cycle controls: genome-wide analysis in <i>Arabidopsis</i> . Current Opinion in Plant Biology, 2001, 4, 501-506.	3.5	57
36	Dynamic Analyses of the Expression of the HISTONE::YFP Fusion Protein in <i>Arabidopsis</i> Show That Syncytial Endosperm Is Divided in Mitotic Domains. Plant Cell, 2001, 13, 495.	3.1	4

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37	Dynamic Analyses of the Expression of the HISTONE::YFP Fusion Protein in Arabidopsis Show That Syncytial Endosperm Is Divided in Mitotic Domains. <i>Plant Cell</i> , 2001, 13, 495-509.	3.1	348
38	Root patterning: Does auxin provide positional cues?. <i>Current Biology</i> , 2000, 10, R201-R203.	1.8	19
39	Plant stem cells: The only constant thing is change. <i>Current Biology</i> , 2000, 10, R826-R829.	1.8	15
40	Spatio-temporal analysis of mitotic activity with a labile cyclin-GUS fusion protein. <i>Plant Journal</i> , 1999, 20, 503-508.	2.8	627
41	Shoot meristems: Intercellular signals keep the balance. <i>Current Biology</i> , 1999, 9, R377-R380.	1.8	8
42	Root development: Quiescent center not so mute after all. <i>Current Biology</i> , 1998, 8, R42-R44.	1.8	20
43	A Plant Homolog of the Neutrophil NADPH Oxidase gp91phox Subunit Gene Encodes a Plasma Membrane Protein with Ca ²⁺ Binding Motifs. <i>Plant Cell</i> , 1998, 10, 255-266.	3.1	525
44	A Plant Homolog of the Neutrophil NADPH Oxidase gp91 phox Subunit Gene Encodes a Plasma Membrane Protein with Ca ²⁺ Binding Motifs. <i>Plant Cell</i> , 1998, 10, 255.	3.1	261
45	Cell-cell interactions: Taking cues from the neighbors. <i>Current Biology</i> , 1996, 6, 10-12.	1.8	5
46	Control of root growth and development by cyclin expression. <i>Nature</i> , 1996, 380, 520-523.	13.7	403
47	Arabidopsis Embryogenesis: Radicle development(s). <i>Current Biology</i> , 1995, 5, 110-112.	1.8	5
48	Patterning the Arabidopsis root. <i>Current Biology</i> , 1993, 3, 867-869.	1.8	7