Peter Doerner

List of Publications by Year
in descending order

48 papers	5,726 citations	257357 24 h-index	233338 45 g-index
50 all docs	50 docs citations	50 times ranked	6870 citing authors

#	Article	IF	Citations
1	A putative lipid transfer protein involved in systemic resistance signalling in Arabidopsis. Nature, 2002, 419, 399-403.	13.7	709
2	Spatio-temporal analysis of mitotic activity with a labile cyclin-GUS fusion protein. Plant Journal, 1999, 20, 503-508.	2.8	627
3	A Plant Homolog of the Neutrophil NADPH Oxidase gp91phox Subunit Gene Encodes a Plasma Membrane Protein with Ca2+ Binding Motifs. Plant Cell, 1998, 10, 255-266.	3.1	525
4	Control of root growth and development by cyclin expression. Nature, 1996, 380, 520-523.	13.7	403
5	Gibberellin Signaling in the Endodermis Controls Arabidopsis Root Meristem Size. Current Biology, 2009, 19, 1194-1199.	1.8	360
6	Dynamic Analyses of the Expression of the HISTONE::YFP Fusion Protein in Arabidopsis Show That Syncytial Endosperm Is Divided in Mitotic Domains. Plant Cell, 2001, 13, 495-509.	3.1	348
7	Abscisic Acid Has a Key Role in Modulating Diverse Plant-Pathogen Interactions Â Â Â. Plant Physiology, 2009, 150, 1750-1761.	2.3	314
8	Arabidopsis 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
9	ATR and ATM play both distinct and additive roles in response to ionizing radiation. Plant Journal, 2006, 48, 947-961.	2.8	287
10	A Plant Homolog of the Neutrophil NADPH Oxidase gp91 phox Subunit Gene Encodes a Plasma Membrane Protein with Ca 2+ Binding Motifs. Plant Cell, 1998, 10, 255.	3.1	261
11	Arabidopsis REGULATOR OF AXILLARY MERISTEMS1 Controls a Leaf Axil Stem Cell Niche and Modulates Vegetative Development. Plant Cell, 2006, 18, 598-611.	3.1	196
12	Pseudomonas sax Genes Overcome Aliphatic Isothiocyanateâ€“Mediated Non-Host Resistance in Arabidopsis. Science, 2011, 331, 1185-1188.	6.0	179
13	Early primordium morphogenesis during lateral root initiation in Arabidopsis thaliana. Planta, 2001, 214, 30-36.	1.6	155
14	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
15	The plantâ€specific <scp>CDKB</scp> 1â€•<scp>CYCB</scp> 1 complex mediates homologous recombination repair in Arabidopsis. EMBO Journal, 2016, 35, 2068-2086.	3.5	119
16	Phosphate starvation signaling: a threesome controls systemic Pi homeostasis. Current Opinion in Plant Biology, 2008, 11, 536-540.	3.5	102
17	ArabidopsisDUO POLLEN3 Is a Key Regulator of Male Germline Development and Embryogenesis Â. Plant Cell, 2009, 21, 1940-1956.	3.1	82
18	Cell division activity determines the magnitude of phosphate starvation responses in Arabidopsis. Plant Journal, 2007, 50, 545-556.	2.8	74

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19	Phenoâ€Deep Counter: a unified and versatile deep learning architecture for leaf counting. Plant Journal, 2018, 96, 880-890.	2.8	72
20	Cell cycle controls: genome-wide analysis in Arabidopsis. Current Opinion in Plant Biology, 2001, 4, 501-506.	3.5	57
21	Genetic and molecular basis of nonhost disease resistance: complex, yes; silver bullet, no. Current Opinion in Plant Biology, 2012, 15, 400-406.	3.5	55
22	Plant Meristems: A Merry-Go-Round of Signals Review. Current Biology, 2003, 13, R368-R374.	1.8	42
23	The impact of the rhizobiaâ€“legume symbiosis on host root system architecture. Journal of Experimental Botany, 2020, 71, 3902-3921.	2.4	36
24	Longitudinal zonation pattern inArabidopsisroot tip defined by a multiple structural change algorithm. Annals of Botany, 2016, 118, 763-776.	1.4	30
25	Affordable and robust phenotyping framework to analyse root system architecture of soilâ€grown plants. Plant Journal, 2020, 103, 2330-2343.	2.8	29
26	The Phosphate Fast-Responsive Genes PECP1 and PPsPase1 Affect Phosphocholine and Phosphoethanolamine Content. Plant Physiology, 2018, 176, 2943-2962.	2.3	22
27	Leaf Counting Without Annotations Using Adversarial Unsupervised Domain Adaptation. , 2019, , .		21
28	Root development: Quiescent center not so mute after all. Current Biology, 1998, 8, R42-R44.	1.8	20
29	Root patterning: Does auxin provide positional cues?. Current Biology, 2000, 10, R201-R203.	1.8	19
30	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
31	Root resource foraging: does it matter?. Frontiers in Plant Science, 2013, 4, 303.	1.7	17
32	Plant Meristems: Cytokinins â€" The Alpha and Omega of the Meristem. Current Biology, 2007, 17, R321-R323.	1.8	16
33	Plant stem cells: The only constant thing is change. Current Biology, 2000, 10, R826-R829.	1.8	15
34	Shoot meristems: Intercellular signals keep the balance. Current Biology, 1999, 9, R377-R380.	1.8	8
35	Plant Roots: Recycled Auxin Energizes Patterning and Growth. Current Biology, 2008, 18, R72-R74.	1.8	8
36	Phenotypic Analysis of Arabidopsis Mutants: Quantitative Analysis of Root Growth. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4960.	0.2	8

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37	Patterning the Arabidopsis root. Current Biology, 1993, 3, 867-869.	1.8	7
38	Plant meristems: A mÃ©nage Ã trois to end it all. Current Biology, 2001, 11, R785-R787.	1.8	6
39	Plant Meristems: What You See Is What You Get?. Current Biology, 2006, 16, R56-R58.	1.8	6
40	Arabidopsis Embryogenesis: Radicle development(s). Current Biology, 1995, 5, 110-112.	1.8	5
41	Cellâ€“cell interactions: Taking cues from the neighbors. Current Biology, 1996, 6, 10-12.	1.8	5
42	Inducible reporter/driver lines for the Arabidopsis root with intrinsic reporting of activity state. Plant Journal, 2019, 98, 153-164.	2.8	5
43	Dynamic Analyses of the Expression of the HISTONE::YFP Fusion Protein in Arabidopsis Show That Syncytial Endosperm Is Divided in Mitotic Domains. Plant Cell, 2001, 13, 495.	3.1	4
44	Plant Meristems: The Fiendish SU DOKU of Stem-Cell Maintenance. Current Biology, 2006, 16, R199-R201.	1.8	4
45	Extreme environments: crucibles of potent abiotic stress tolerance. Journal of Experimental Botany, 2020, 71, 3761-3764.	2.4	4
46	Transcriptional Control of the Plant Cell Cycle. Plant Cell Monographs, 2007, , 13-32.	0.4	3
47	Signals and Mechanisms in the Control of Plant Growth. , 2007, , 1-23.		3
48	Plant Development: Confused Root Cells Have Mixed Identity in SCHIZORIZA. Current Biology, 2010, 20, R246-R248.	1.8	0