Erin E Sparks

List of Publications by Year
in descending order

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24 papers	980 citations	567281 15 h-index	642732 23 g-index
30 all docs	30 docs citations	30 times ranked	1756 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, .	7.1	17
2	Multiple brace root phenotypes promote anchorage and limit root lodging in maize. Plant, Cell and Environment, 2022, 45, 1573-1583.	5.7	16
3	Maize brace root mechanics vary by whorl, genotype and reproductive stage. Annals of Botany, 2022, 129, 657-668.	2.9	1
4	Evaluation of brace root parameters and its effect on the stiffness of maize. In Silico Plants, 2022, 4, .	1.9	3
5	Bracing for sustainable agriculture: the development and function of brace roots in members of Poaceae. Current Opinion in Plant Biology, 2021, 59, 101985.	7.1	16
6	Maize brace roots provide stalk anchorage. Plant Direct, 2020, 4, e00284.	1.9	25
7	Fieldâ€based mechanical phenotyping of cereal crops to assess lodging resistance. Applications in Plant Sciences, 2020, 8, e11382.	2.1	34
8	Novel Imaging Modalities Shedding Light on Plant Biology: Start Small and Grow Big. Annual Review of Plant Biology, 2020, 71, 789-816.	18.7	22
9	Minimum requirements for changing and maintaining endodermis cell identity in the Arabidopsis root. Nature Plants, 2018, 4, 586-595.	9.3	37
10	Tissue-Specific Transcriptome Profiling in Arabidopsis Roots. Methods in Molecular Biology, 2017, 1610, 107-122.	0.9	5
11	Uncovering Gene Regulatory Networks Controlling Plant Cell Differentiation. Trends in Genetics, 2017, 33, 529-539.	6.7	47
12	Reshaping Plant Biology: Qualitative and Quantitative Descriptors for Plant Morphology. Frontiers in Plant Science, 2017, 08, 117.	3.6	39
13	Morphological Plant Modeling: Unleashing Geometric and Topological Potential within the Plant Sciences. Frontiers in Plant Science, 2017, 8, 900.	3.6	61
14	Establishment of Expression in the SHORTROOT-SCARECROW Transcriptional Cascade through Opposing Activities of Both Activators and Repressors. Developmental Cell, 2016, 39, 585-596.	7.0	54
15	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.	0.9	1
16	Genes and networks regulating root anatomy and architecture. New Phytologist, 2015, 208, 26-38.	7.3	108
17	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.	7.1	145
18	HEC of a Job Regulating Stem Cells. Developmental Cell, 2014, 28, 349-350.	7.0	3

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19	Spatiotemporal signalling in plant development. Nature Reviews Genetics, 2013, 14, 631-644.	16.3	84
20	3-Dimensional Resin Casting and Imaging of Mouse Portal Vein or Intrahepatic Bile Duct System. Journal of Visualized Experiments, 2012, , e4272.	0.3	13
21	Genetic interactions between hepatocyte nuclear factor-6 and notch signaling regulate mouse intrahepatic bile duct development<i>in vivo</i>. Hepatology, 2012, 55, 233-243.	7.3	33
22	Defects in hepatic Notch signaling result in disruption of the communicating intrahepatic bile duct network in mice. DMM Disease Models and Mechanisms, 2011, 4, 359-367.	2.4	33
23	Notch signaling regulates formation of the three-dimensional architecture of intrahepatic bile ducts in mice. Hepatology, 2010, 51, 1391-1400.	7.3	118
24	Rac1 promotes TGF-Î²-stimulated mesangial cell type I collagen expression through a PI3K/Akt-dependent mechanism. American Journal of Physiology - Renal Physiology, 2009, 297, F1316-F1323.	2.7	55