

Erin E Sparks

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7920035/publications.pdf>

Version: 2024-02-01

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	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
2	Notch signaling regulates formation of the three-dimensional architecture of intrahepatic bile ducts in mice. Hepatology, 2010, 51, 1391-1400.	7.3	118
3	Genes and networks regulating root anatomy and architecture. New Phytologist, 2015, 208, 26-38.	7.3	108
4	Spatiotemporal signalling in plant development. Nature Reviews Genetics, 2013, 14, 631-644.	16.8	84
5	Morphological Plant Modeling: Unleashing Geometric and Topological Potential within the Plant Sciences. Frontiers in Plant Science, 2017, 8, 900.	3.6	61
6	Rac1 promotes TGF- β -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
7	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
8	Uncovering Gene Regulatory Networks Controlling Plant Cell Differentiation. Trends in Genetics, 2017, 33, 529-539.	6.7	47
9	Reshaping Plant Biology: Qualitative and Quantitative Descriptors for Plant Morphology. Frontiers in Plant Science, 2017, 08, 117.	3.6	39
10	Minimum requirements for changing and maintaining endodermis cell identity in the Arabidopsis root. Nature Plants, 2018, 4, 586-595.	9.3	37
11	Field-based mechanical phenotyping of cereal crops to assess lodging resistance. Applications in Plant Sciences, 2020, 8, e11382.	2.1	34
12	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
13	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
14	Maize brace roots provide stalk anchorage. Plant Direct, 2020, 4, e00284.	1.9	25
15	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
16	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
17	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
18	Multiple brace root phenotypes promote anchorage and limit root lodging in maize. Plant, Cell and Environment, 2022, 45, 1573-1583.	5.7	16

#	ARTICLE	IF	CITATIONS
19	3-Dimensional Resin Casting and Imaging of Mouse Portal Vein or Intrahepatic Bile Duct System. <i>Journal of Visualized Experiments</i> , 2012, , e4272.	0.3	13
20	Tissue-Specific Transcriptome Profiling in Arabidopsis Roots. <i>Methods in Molecular Biology</i> , 2017, 1610, 107-122.	0.9	5
21	HEC of a Job Regulating Stem Cells. <i>Developmental Cell</i> , 2014, 28, 349-350.	7.0	3
22	Evaluation of brace root parameters and its effect on the stiffness of maize. <i>In Silico Plants</i> , 2022, 4, .	1.9	3
23	Identifying Gene Regulatory Networks in Arabidopsis by In Silico Prediction, Yeast-1-Hybrid, and Inducible Gene Profiling Assays. <i>Methods in Molecular Biology</i> , 2016, 1370, 29-50.	0.9	1
24	Maize brace root mechanics vary by whorl, genotype and reproductive stage. <i>Annals of Botany</i> , 2022, 129, 657-668.	2.9	1