

Renze Heidstra

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

7,775
citations

279798

23
h-index

501196

28
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34
all docs

34
docs citations

34
times ranked

6236
citing authors

#	ARTICLE	IF	CITATIONS
1	The PIN auxin efflux facilitator network controls growth and patterning in Arabidopsis roots. <i>Nature</i> , 2005, 433, 39-44.	27.8	1,789
2	The PLETHORA Genes Mediate Patterning of the Arabidopsis Root Stem Cell Niche. <i>Cell</i> , 2004, 119, 109-120.	28.9	1,022
3	Conserved factors regulate signalling in Arabidopsis <i>At</i> shoot and root stem cell organizers. <i>Nature</i> , 2007, 446, 811-814.	27.8	943
4	PLETHORA proteins as dose-dependent master regulators of Arabidopsis root development. <i>Nature</i> , 2007, 449, 1053-1057.	27.8	743
5	SCARECROW is involved in positioning the stem cell niche in the Arabidopsis root meristem. <i>Genes and Development</i> , 2003, 17, 354-358.	5.9	622
6	The RETINOBLASTOMA-RELATED Gene Regulates Stem Cell Maintenance in Arabidopsis Roots. <i>Cell</i> , 2005, 123, 1337-1349.	28.9	336
7	PLETHORA gradient formation mechanism separates auxin responses. <i>Nature</i> , 2014, 515, 125-129.	27.8	329
8	Mosaic analyses using marked activation and deletion clones dissect Arabidopsis SCARECROW action in asymmetric cell division. <i>Genes and Development</i> , 2004, 18, 1964-1969.	5.9	271
9	Comparative genomics of the nonlegume <i>Parasponia</i> reveals insights into evolution of nitrogen-fixing rhizobium symbioses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4700-E4709.	7.1	253
10	<i>Arabidopsis</i> JACKDAW and MAGPIE zinc finger proteins delimit asymmetric cell division and stabilize tissue boundaries by restricting SHORT-ROOT action. <i>Genes and Development</i> , 2007, 21, 2196-2204.	5.9	245
11	Plant and animal stem cells: similar yet different. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 301-312.	37.0	204
12	AINTEGUMENTA-LIKE proteins: hubs in a plethora of networks. <i>Trends in Plant Science</i> , 2014, 19, 146-157.	8.8	157
13	The PLETHORA Gene Regulatory Network Guides Growth and Cell Differentiation in Arabidopsis Roots. <i>Plant Cell</i> , 2016, 28, 2937-2951.	6.6	127
14	MultiSite Gateway-Compatible Cell Type-Specific Gene-Inducible System for Plants. <i>Plant Physiology</i> , 2016, 170, 627-641.	4.8	119
15	Root stem cell niche organizer specification by molecular convergence of PLETHORA and SCARECROW transcription factor modules. <i>Genes and Development</i> , 2018, 32, 1085-1100.	5.9	100
16	SCHIZORIZA Encodes a Nuclear Factor Regulating Asymmetry of Stem Cell Divisions in the Arabidopsis Root. <i>Current Biology</i> , 2010, 20, 452-457.	3.9	79
17	Root developmental programs shape the <i>Medicago truncatula</i> nodule meristem. <i>Development (Cambridge)</i> , 2015, 142, 2941-50.	2.5	78
18	A plant U-box protein, PUB4, regulates asymmetric cell division and cell proliferation in the root meristem. <i>Development (Cambridge)</i> , 2015, 142, 444-453.	2.5	61

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19	Cell-by-cell dissection of phloem development links a maturation gradient to cell specialization. <i>Science</i> , 2021, 374, eaba5531.	12.6	60
20	<scp>SCARECROW</scp> and <scp>LIKE</scp> jointly specify endodermal cell fate but distinctly control <scp>SHORT</scp> <scp>ROOT</scp> movement. <i>Plant Journal</i> , 2015, 84, 773-784.	5.7	52
21	Distinct Cell-Autonomous Functions of <i>RETINOBLASTOMA-RELATED</i> in <i>Arabidopsis</i> Stem Cells Revealed by the Brother of Rainbow Clonal Analysis System. <i>Plant Cell</i> , 2011, 23, 2581-2591.	6.6	49
22	Root stem cell niche networks: it's complexed! Insights from <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 6727-6738.	4.8	37
23	A SCARECROW-based regulatory circuit controls <i>Arabidopsis thaliana</i> meristem size from the root endodermis. <i>Planta</i> , 2016, 243, 1159-1168.	3.2	31
24	Transcription factor dosage: more or less sufficient for growth. <i>Current Opinion in Plant Biology</i> , 2018, 45, 50-58.	7.1	15
25	Asymmetric Cell Division in Plant Development. <i>Progress in Molecular and Subcellular Biology</i> , 2007, 45, 1-37.	1.6	14
26	Knocking out <i>SOBIR1</i> in <i>Nicotiana benthamiana</i> abolishes functionality of transgenic receptor-like protein Cf-4. <i>Plant Physiology</i> , 2021, 185, 290-294.	4.8	12
27	<i>Cis</i>-regulatory <i>PLETHORA</i> promoter elements directing root and nodule expression are conserved between <i>Arabidopsis thaliana</i> and <i>Medicago truncatula</i>. <i>Plant Signaling and Behavior</i> , 2017, 12, e1278102.	2.4	6
28	Nature and Nurture: Genotype-Dependent Differential Responses of Root Architecture to Agar and Soil Environments. <i>Genes</i> , 2021, 12, 1028.	2.4	6
29	<i>Arabidopsis</i> Root Development. , 0, , 1-38.		3
30	A dialogue between generations. <i>Nature Plants</i> , 2022, 8, 607-608.	9.3	0