

Tatsuaki Goh

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,164
citations

516710

16
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

2963
citing authors

#	ARTICLE	IF	CITATIONS
1	Lateral root development in Arabidopsis: fifty shades of auxin. Trends in Plant Science, 2013, 18, 450-458.	8.8	536
2	The establishment of asymmetry in <i>Arabidopsis</i> lateral root founder cells is regulated by LBD16/ASL18 and related LBD/ASL proteins. Development (Cambridge), 2012, 139, 883-893.	2.5	253
3	Multiple AUX/IAA-ARF modules regulate lateral root formation: the role of <i>Arabidopsis</i> SHY2/IAA3-mediated auxin signalling. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1461-1468.	4.0	180
4	Shaping 3D Root System Architecture. Current Biology, 2017, 27, R919-R930.	3.9	162
5	Plant Vacuolar Trafficking Occurs through Distinctly Regulated Pathways. Current Biology, 2014, 24, 1375-1382.	3.9	129
6	The circadian clock rephases during lateral root organ initiation in Arabidopsis thaliana. Nature Communications, 2015, 6, 7641.	12.8	119
7	Lateral root emergence in <i>Arabidopsis</i> is dependent on transcription factor LBD29 regulating auxin influx carrier <i>LAX3</i> . Development (Cambridge), 2016, 143, 3340-9.	2.5	111
8	Inference of the Arabidopsis Lateral Root Gene Regulatory Network Suggests a Bifurcation Mechanism That Defines Primordia Flanking and Central Zones. Plant Cell, 2015, 27, 1368-1388.	6.6	105
9	Chloroplastic <i>ATP</i> synthase builds up a proton motive force preventing production of reactive oxygen species in photosystem I. Plant Journal, 2017, 91, 306-324.	5.7	96
10	Lateral Inhibition by a Peptide Hormone-Receptor Cascade during Arabidopsis Lateral Root Founder Cell Formation. Developmental Cell, 2019, 48, 64-75.e5.	7.0	67
11	RALFL34 regulates formative cell divisions in Arabidopsis pericycle during lateral root initiation. Journal of Experimental Botany, 2016, 67, 4863-4875.	4.8	66
12	Cytoskeleton Dynamics Are Necessary for Early Events of Lateral Root Initiation in Arabidopsis. Current Biology, 2019, 29, 2443-2454.e5.	3.9	63
13	A role for <i>LATERAL ORGAN BOUNDARIES</i> DOMAIN 16 during the interaction <i>Arabidopsis</i> <i>Meloidogyne</i> spp. provides a molecular link between lateral root and root nematode feeding site development. New Phytologist, 2014, 203, 632-645.	7.3	61
14	Quiescent center initiation in the <i>Arabidopsis</i> lateral root primordia is dependent on the <i>SCARECROW</i> transcription factor. Development (Cambridge), 2016, 143, 3363-71.	2.5	61
15	Lateral root initiation requires the sequential induction of transcription factors LBD16 and PUCHI in <i>Arabidopsis thaliana</i> . New Phytologist, 2019, 224, 749-760.	7.3	50
16	PUCHI regulates very long chain fatty acid biosynthesis during lateral root and callus formation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14325-14330.	7.1	46
17	Systems biology approaches to understand the role of auxin in root growth and development. Physiologia Plantarum, 2014, 151, 73-82.	5.2	15
18	Long-term live-cell imaging approaches to study lateral root formation in Arabidopsis thaliana. Microscopy (Oxford, England), 2019, 68, 4-12.	1.5	15

#	ARTICLE	IF	CITATIONS
19	Autophagy promotes organelle clearance and organized cell separation of living root cap cells in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2022, 149, .	2.5	12
20	Plant Biology: Building Barriers in Roots. <i>Current Biology</i> , 2017, 27, R172-R174.	3.9	8
21	Tissue growth constrains root organ outlines into an isometrically scalable shape. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	8
22	Quiescent center initiation in the <i>Arabidopsis</i> lateral root primordia is dependent on the SCARECROW transcription factor. <i>Journal of Cell Science</i> , 2016, 129, e1.2-e1.2.	2.0	1
23	A Physical Model to Identify the Common Organ Shape Across Species. <i>Seibutsu Butsuri</i> , 2022, 62, 7-12.	0.1	0