Tatsuaki Goh

List of Publications by Year
in descending order

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	A Physical Model to Identify the Common Organ Shape Across Species. Seibutsu Butsuri, 2022, 62, 7-12.	0.1	0
2	Autophagy promotes organelle clearance and organized cell separation of living root cap cells in Arabidopsis thaliana. Development (Cambridge), 2022, 149, .	2.5	12
3	Tissue growth constrains root organ outlines into an isometrically scalable shape. Development (Cambridge), 2021, 148, .	2.5	8
4	Lateral root initiation requires the sequential induction of transcription factors LBD16 and PUCHI in Arabidopsis thaliana. New Phytologist, 2019, 224, 749-760.	7.3	50
5	Cytoskeleton Dynamics Are Necessary for Early Events of Lateral Root Initiation in Arabidopsis. Current Biology, 2019, 29, 2443-2454.e5.	3.9	63
6	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
7	Long-term live-cell imaging approaches to study lateral root formation inArabidopsis thaliana. Microscopy (Oxford, England), 2019, 68, 4-12.	1.5	15
8	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
9	Plant Biology: Building Barriersâ€¦ in Roots. Current Biology, 2017, 27, R172-R174.	3.9	8
10	Chloroplastic <scp>ATP</scp> 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
11	Shaping 3D Root System Architecture. Current Biology, 2017, 27, R919-R930.	3.9	162
12	RALFL34 regulates formative cell divisions in Arabidopsis pericycle during lateral root initiation. Journal of Experimental Botany, 2016, 67, 4863-4875.	4.8	66
13	Quiescent center initiation in the Arabidopsis lateral root primordia is dependent on the SCARECROW transcription factor. Development (Cambridge), 2016, 143, 3363-71.	2.5	61
14	Lateral root emergence in Arabidopsis is dependent on transcription factor LBD29 regulating auxin influx carrier LAX3. Development (Cambridge), 2016, 143, 3340-9.	2.5	111
15	Quiescent center initiation in the Arabidopsis lateral root primordia is dependent on the SCARECROW transcription factor. Journal of Cell Science, 2016, 129, e1.2-e1.2.	2.0	1
16	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
17	The circadian clock rephases during lateral root organ initiation in Arabidopsis thaliana. Nature Communications, 2015, 6, 7641.	12.8	119
18	A role for <scp>LATERAL ORGAN BOUNDARIES</scp>â€<scp>DOMAIN</scp> 16 during the interaction <scp>A</scp>rabidopsisâ€“<scp>M</scp>eloidogyne spp. provides a molecular link between lateral root and rootâ€knot nematode feeding site development. New Phytologist, 2014, 203, 632-645.	7.3	61

#	Article	IF	Citations
19	Systems biology approaches to understand the role of auxin in root growth and development. Physiologia Plantarum, 2014, 151, 73-82.	5.2	15
20	Plant Vacuolar Trafficking Occurs through Distinctly Regulated Pathways. Current Biology, 2014, 24, 1375-1382.	3.9	129
21	Lateral root development in Arabidopsis: fifty shades of auxin. Trends in Plant Science, 2013, 18, 450-458.	8.8	536
22	Multiple AUX/IAAâ€“ARF modules regulate lateral root formation: the role ofArabidopsisSHY2/IAA3-mediated auxin signalling. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1461-1468.	4.0	180
23	The establishment of asymmetry in Arabidopsis lateral root founder cells is regulated by LBD16/ASL18 and related LBD/ASL proteins. Development (Cambridge), 2012, 139, 883-893.	2.5	253