Tatsuaki Goh

List of Publications by Year
in descending order

23	2,164	516561 16	677027 22
papers	citations	h-index	g-index

24	24	24	2963
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lateral root development in Arabidopsis: fifty shades of auxin. Trends in Plant Science, 2013, 18, 450-458.	4.3	536
2	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.	1.2	253
3	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.	1.8	180
4	Shaping 3D Root System Architecture. Current Biology, 2017, 27, R919-R930.	1.8	162
5	Plant Vacuolar Trafficking Occurs through Distinctly Regulated Pathways. Current Biology, 2014, 24, 1375-1382.	1.8	129
6	The circadian clock rephases during lateral root organ initiation in Arabidopsis thaliana. Nature Communications, 2015, 6, 7641.	5.8	119
7	Lateral root emergence in Arabidopsis is dependent on transcription factor LBD29 regulating auxin influx carrier LAX3. Development (Cambridge), 2016, 143, 3340-9.	1.2	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.	3.1	105
9	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.	2.8	96
10	Lateral Inhibition by a Peptide Hormone-Receptor Cascade during Arabidopsis Lateral Root Founder Cell Formation. Developmental Cell, 2019, 48, 64-75.e5.	3.1	67
11	RALFL34 regulates formative cell divisions in Arabidopsis pericycle during lateral root initiation. Journal of Experimental Botany, 2016, 67, 4863-4875.	2.4	66
12	Cytoskeleton Dynamics Are Necessary for Early Events of Lateral Root Initiation in Arabidopsis. Current Biology, 2019, 29, 2443-2454.e5.	1.8	63
13	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.	3.5	61
14	Quiescent center initiation in the Arabidopsis lateral root primordia is dependent on the SCARECROW transcription factor. Development (Cambridge), 2016, 143, 3363-71.	1.2	61
15	Lateral root initiation requires the sequential induction of transcription factors LBD16 and PUCHI in Arabidopsis thaliana. New Phytologist, 2019, 224, 749-760.	3.5	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.	3.3	46
17	Systems biology approaches to understand the role of auxin in root growth and development. Physiologia Plantarum, 2014, 151, 73-82.	2.6	15
18	Long-term live-cell imaging approaches to study lateral root formation inArabidopsis thaliana. Microscopy (Oxford, England), 2019, 68, 4-12.	0.7	15

#	Article	IF	Citations
19	Autophagy promotes organelle clearance and organized cell separation of living root cap cells in Arabidopsis thaliana. Development (Cambridge), 2022, 149, .	1.2	12
20	Plant Biology: Building Barriersâ€¦ in Roots. Current Biology, 2017, 27, R172-R174.	1.8	8
21	Tissue growth constrains root organ outlines into an isometrically scalable shape. Development (Cambridge), 2021, 148, .	1.2	8
22	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.	1.2	1
23	A Physical Model to Identify the Common Organ Shape Across Species. Seibutsu Butsuri, 2022, 62, 7-12.	0.0	0