Takuya Suzaki

List of Publications by Year
in descending order

46 papers	3,417 citations	249298 26 h-index	274796 44 g-index
48 all docs	48 docs citations	48 times ranked	3718 citing authors

#	Article	IF	Citations
1	Functional Characterization of Tomato Phytochrome A and B1B2 Mutants in Response to Heat Stress. International Journal of Molecular Sciences, 2022, 23, 1681.	1.8	11
2	Nitrate transport via NRT2.1 mediates NIN-LIKE PROTEIN-dependent suppression of root nodulation in <i>Lotus japonicus</i>. Plant Cell, 2022, 34, 1844-1862.	3.1	21
3	Different DNA-binding specificities of NLP and NIN transcription factors underlie nitrate-induced control of root nodulation. Plant Cell, 2021, 33, 2340-2359.	3.1	52
4	Editorial: Nutrient Dependent Signaling Pathways Controlling the Symbiotic Nitrogen Fixation Process. Frontiers in Plant Science, 2021, 12, 744450.	1.7	0
5	The PHD finger of Arabidopsis SIZ1 recognizes trimethylated histone H3K4 mediating SIZ1 function and abiotic stress response. Communications Biology, 2020, 3, 23.	2.0	36
6	Novel rhizobia exhibit superior nodulation and biological nitrogen fixation even under high nitrate concentrations. FEMS Microbiology Ecology, 2020, 96, .	1.3	18
7	CLE-HAR1 Systemic Signaling and NIN-Mediated Local Signaling Suppress the Increased Rhizobial Infection in the daphne Mutant of Lotus japonicus. Molecular Plant-Microbe Interactions, 2020, 33, 320-327.	1.4	8
8	MIR2111-5 locus and shoot-accumulated mature miR2111 systemically enhance nodulation depending on HAR1 in Lotus japonicus. Nature Communications, 2020, 11, 5192.	5.8	31
9	Autoregulation of nodulation pathway is dispensable for nitrate-induced control of rhizobial infection. Plant Signaling and Behavior, 2020, 15, 1733814.	1.2	10
10	Agroinfiltration-based efficient transient protein expression in leguminous plants. Plant Biotechnology, 2019, 36, 119-123.	0.5	21
11	Autoregulation of Legume Nodulation by Sophisticated Transcriptional Regulatory Networks. Molecular Plant, 2019, 12, 1179-1181.	3.9	12
12	LACK OF SYMBIONT ACCOMMODATION controls intracellular symbiont accommodation in root nodule and arbuscular mycorrhizal symbiosis in Lotus japonicus. PLoS Genetics, 2019, 15, e1007865.	1.5	23
13	PLENTY, a hydroxyprolineO-arabinosyltransferase, negatively regulates root nodule symbiosis inLotus japonicus. Journal of Experimental Botany, 2019, 70, 507-517.	2.4	23
14	A NIN-LIKE PROTEIN mediates nitrate-induced control of root nodule symbiosis inÂLotus japonicus. Nature Communications, 2018, 9, 499.	5.8	144
15	Ca2+-permeable mechanosensitive channels MCA1 and MCA2 mediate cold-induced cytosolic Ca2+ increase and cold tolerance in Arabidopsis. Scientific Reports, 2018, 8, 550.	1.6	97
16	Regulation and functional diversification of root hairs. Seminars in Cell and Developmental Biology, 2018, 83, 115-122.	2.3	28
17	Nitrate-mediated control of root nodule symbiosis. Current Opinion in Plant Biology, 2018, 44, 129-136.	3.5	103
18	MYC-type transcription factors, MYC67 and MYC70, interact with ICE1 and negatively regulate cold tolerance in Arabidopsis. Scientific Reports, 2018, 8, 11622.	1.6	21

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19	Two Negative Regulatory Systems of Root Nodule Symbiosis: How Are Symbiotic Benefits and Costs Balanced?. Plant and Cell Physiology, 2018, 59, 1733-1738.	1.5	32
20	Spatiotemporal deep imaging of syncytium induced by the soybean cyst nematode Heterodera glycines. Protoplasma, 2017, 254, 2107-2115.	1.0	19
21	Fluorescent Labeling of the Cyst Nematode <i>Heterodera glycines</i> in Deep-Tissue Live Imaging. Cytologia, 2017, 82, 251-259.	0.2	0
22	Expression of the CLE-RS3 gene suppresses root nodulation in Lotus japonicus. Journal of Plant Research, 2016, 129, 909-919.	1.2	59
23	Integration of light and metabolic signals for stem cell activation at the shoot apical meristem. ELife, 2016, 5, .	2.8	158
24	Leguminous Plants: Inventors of Root Nodules to Accommodate Symbiotic Bacteria. International Review of Cell and Molecular Biology, 2015, 316, 111-158.	1.6	133
25	A mechanistic framework for noncell autonomous stem cell induction in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14619-14624.	3.3	286
26	Shoot-derived cytokinins systemically regulate root nodulation. Nature Communications, 2014, 5, 4983.	5.8	199
27	A Positive Regulator of Nodule Organogenesis, NODULE INCEPTION, Acts as a Negative Regulator of Rhizobial Infection in <i>Lotus japonicus</i> Â Â. Plant Physiology, 2014, 165, 747-758.	2.3	84
28	Root nodulation: a developmental program involving cell fate conversion triggered by symbiotic bacterial infection. Current Opinion in Plant Biology, 2014, 21, 16-22.	3.5	64
29	Endoreduplication-mediated initiation of symbiotic organ development in <i>Lotus japonicus</i>. Development (Cambridge), 2014, 141, 2441-2445.	1.2	52
30	CERBERUS and NSP1 of Lotus japonicus are Common Symbiosis Genes that Modulate Arbuscular Mycorrhiza Development. Plant and Cell Physiology, 2013, 54, 1711-1723.	1.5	78
31	<i>TRICOT</i>encodes an AMP1-related carboxypeptidase that regulates root nodule development and shoot apical meristem maintenance in<i>Lotus japonicus</i>. Development (Cambridge), 2013, 140, 353-361.	1.2	21
32	Genetic basis of cytokinin and auxin functions during root nodule development. Frontiers in Plant Science, 2013, 4, 42.	1.7	65
33	Induction of localized auxin response during spontaneous nodule development in<i>Lotus japonicus</i>. Plant Signaling and Behavior, 2013, 8, e23359.	1.2	9
34	TOO MUCH LOVE, a Novel Kelch Repeat-Containing F-box Protein, Functions in the Long-Distance Regulation of the Legumeâ€“Rhizobium Symbiosis. Plant and Cell Physiology, 2013, 54, 433-447.	1.5	110
35	Grafting analysis indicates that malfunction ofTRICOTin the root causes a nodulation-deficient phenotype inLotus japonicus. Plant Signaling and Behavior, 2013, 8, e23497.	1.2	0
36	Hairy Root Transformation in Lotus japonicus. Bio-protocol, 2013, 3, .	0.2	15

#	Article	IF	Citations
37	Stable Transformation in Lotus japonicus. Bio-protocol, 2013, 3, .	0.2	3
38	Positive and negative regulation of cortical cell division during root nodule development in <i>Lotus japonicus</i> is accompanied by auxin response. Development (Cambridge), 2012, 139, 3997-4006.	1.2	186
39	Distinct Regulation of Adaxial-Abaxial Polarity in Anther Patterning in Rice Â Â. Plant Cell, 2010, 22, 1452-1462.	3.1	96
40	Transcriptional Control of a Plant Stem Cell Niche. Developmental Cell, 2010, 18, 841-853.	3.1	221
41	The homeotic gene <i>long sterile lemma</i> (<i>G1</i>) specifies sterile lemma identity in the rice spikelet. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20103-20108.	3.3	163
42	FON2 SPARE1 Redundantly Regulates Floral Meristem Maintenance with FLORAL ORGAN NUMBER2 in Rice. PLoS Genetics, 2009, 5, e1000693.	1.5	58
43	Functional Diversification of CLAVATA3-Related CLE Proteins in Meristem Maintenance in Rice Â. Plant Cell, 2008, 20, 2049-2058.	3.1	94
44	Molecular characterization the YABBY gene family in Oryza sativa and expression analysis of OsYABBY1. Molecular Genetics and Genomics, 2007, 277, 457-468.	1.0	124
45	Conservation and Diversification of Meristem Maintenance Mechanism in Oryza sativa : Function of the FLORAL ORGAN NUMBER2 Gene. Plant and Cell Physiology, 2006, 47, 1591-1602.	1.5	159
46	The gene FLORAL ORGAN NUMBER1 regulates floral meristem size in rice and encodes a leucine-rich repeat receptor kinase orthologous to Arabidopsis CLAVATA1. Development (Cambridge), 2004, 131, 5649-5657.	1.2	267