

Takashi Soyano

List of Publications by Year in descending order

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32
papers

3,468
citations

193469

27
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406909

32
g-index

35
all docs

35
docs citations

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times ranked

3446
citing authors

#	ARTICLE	IF	CITATIONS
1	NODULE INCEPTION Directly Targets NF-Y Subunit Genes to Regulate Essential Processes of Root Nodule Development in <i>Lotus japonicus</i> . <i>PLoS Genetics</i> , 2013, 9, e1003352.	3.4	297
2	Expansion of the Cell Plate in Plant Cytokinesis Requires a Kinesin-like Protein/MAPKKK Complex. <i>Cell</i> , 2002, 109, 87-99.	27.8	228
3	Shoot-derived cytokinins systemically regulate root nodulation. <i>Nature Communications</i> , 2014, 5, 4983.	13.2	206
4	The NPK1 mitogen-activated protein kinase kinase kinase is a regulator of cell-plate formation in plant cytokinesis. <i>Genes and Development</i> , 2001, 15, 352-363.	5.9	193
5	The MAP Kinase MPK4 Is Required for Cytokinesis in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2010, 22, 3778-3790.	6.7	187
6	NODULE INCEPTION creates a long-distance negative feedback loop involved in homeostatic regulation of nodule organ production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14607-14612.	7.6	183
7	NQK1/NtMEK1 is a MAPKK that acts in the NPK1 MAPKKK-mediated MAPK cascade and is required for plant cytokinesis. <i>Genes and Development</i> , 2003, 17, 1055-1067.	5.9	176
8	HINKEL kinesin, ANP MAPKKKs and MKK6/ANQ MAPKK, which phosphorylates and activates MPK4 MAPK, constitute a pathway that is required for cytokinesis in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2010, 51, 1766-1776.	3.2	165
9	Phosphorylation of NtMAP65-1 by a MAP kinase down-regulates its activity of microtubule bundling and stimulates progression of cytokinesis of tobacco cells. <i>Genes and Development</i> , 2006, 20, 1004-1014.	5.9	164
10	<i>ASymmetric LEAVES2-LIKE19/LATERAL ORGAN BOUNDARIES DOMAIN30</i> and <i>ASL20/LBD18</i> Regulate Tracheary Element Differentiation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 20, 3359-3373.	6.7	157
11	A NIN-LIKE PROTEIN mediates nitrate-induced control of root nodule symbiosis in <i>Lotus japonicus</i> . <i>Nature Communications</i> , 2018, 9, 499.	13.2	151
12	A Mitogen-activated Protein Kinase NtMPK4 Activated by SIPKK is Required for Jasmonic Acid Signaling and Involved in Ozone Tolerance via Stomatal Movement in Tobacco. <i>Plant and Cell Physiology</i> , 2005, 46, 1902-1914.	3.2	138
13	The <i>LORE1</i> insertion mutant resource. <i>Plant Journal</i> , 2016, 88, 306-317.	5.9	131
14	The AtNACK1/HINKEL and STUD/TETRASPORE/AtNACK2 genes, which encode functionally redundant kinesins, are essential for cytokinesis in <i>Arabidopsis</i> . <i>Genes To Cells</i> , 2004, 9, 1199-1211.	1.3	122
15	Mitotic Cyclins Stimulate the Activity of c-Myb-like Factors for Transactivation of G2/M Phase-specific Genes in Tobacco. <i>Journal of Biological Chemistry</i> , 2004, 279, 32979-32988.	3.5	115
16	TOO MUCH LOVE, a Novel Kelch Repeat-Containing F-box Protein, Functions in the Long-Distance Regulation of the Legume-Rhizobium Symbiosis. <i>Plant and Cell Physiology</i> , 2013, 54, 433-447.	3.2	114
17	Establishment of a <i>Lotus japonicus</i> gene tagging population using the exon-targeting endogenous retrotransposon <i>LORE1</i> . <i>Plant Journal</i> , 2012, 69, 720-730.	5.9	110
18	NODULE INCEPTION Antagonistically Regulates Gene Expression with Nitrate in <i>Lotus japonicus</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 368-376.	3.2	65

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19	A MAP Kinase Cascade That Controls Plant Cytokinesis. <i>Journal of Biochemistry</i> , 2004, 136, 127-132.	1.8	53
20	Transcriptional networks leading to symbiotic nodule organogenesis. <i>Current Opinion in Plant Biology</i> , 2014, 20, 146-154.	7.4	50
21	The NPK1 mitogen-activated protein kinase kinase kinase contains a functional nuclear localization signal at the binding site for the NACK1 kinesin-like protein. <i>Plant Journal</i> , 2002, 32, 789-798.	5.9	42
22	MAPKKK-Related protein kinase NPK1: Regulation of the M phase of plant cell cycle. <i>Journal of Plant Research</i> , 1998, 111, 243-246.	2.4	40
23	Function of GRAS Proteins in Root Nodule Symbiosis is Retained in Homologs of a Non-Legume, Rice. <i>Plant and Cell Physiology</i> , 2010, 51, 1436-1442.	3.2	38
24	Function and evolution of a <i>Lotus japonicus</i> AP2/ERF family transcription factor that is required for development of infection threads. <i>DNA Research</i> , 2016, 24, dsw052.	3.5	37
25	Molecular insights into plant cell proliferation disturbance by <i>Agrobacterium</i> protein 6b. <i>Genes and Development</i> , 2011, 25, 64-76.	5.9	36
26	MIR2111-5 locus and shoot-accumulated mature miR2111 systemically enhance nodulation depending on HAR1 in <i>Lotus japonicus</i> . <i>Nature Communications</i> , 2020, 11, 5192.	13.2	34
27	Leguminous nodule symbiosis involves recruitment of factors contributing to lateral root development. <i>Current Opinion in Plant Biology</i> , 2021, 59, 102000.	7.4	26
28	ERN1 and CYCLOPS coordinately activate NIN signaling to promote infection thread formation in <i>Lotus japonicus</i> . <i>Journal of Plant Research</i> , 2019, 132, 641-653.	2.4	20
29	Systemic Regulation of Root Nodule Formation. , 0, , .		16
30	Auxin methylation by <i>IAMT1</i> , duplicated in the legume lineage, promotes root nodule development in <i>Lotus japonicus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116549119.	7.6	13
31	Control of plant cytokinesis by an NPK1-mediated mitogen-activated protein kinase cascade. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 767-775.	4.2	11
32	Assessment of <i>Polygala paniculata</i> (Polygalaceae) characteristics for evolutionary studies of legume-rhizobia symbiosis. <i>Journal of Plant Research</i> , 2020, 133, 109-122.	2.4	3