

Jung-Youn Lee

List of Publications by Year in descending order

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44
papers

3,181
citations

186265
28
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233421
45
g-index

46
all docs

46
docs citations

46
times ranked

3182
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmodesmata as a supracellular control network in plants. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 712-726.	37.0	334
2	A Plasmodesmata-Localized Protein Mediates Crosstalk between Cell-to-Cell Communication and Innate Immunity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 3353-3373.	6.6	250
3	Phloem unloading in <i>Arabidopsis</i> roots is convective and regulated by the phloem-pole pericycle. <i>ELife</i> , 2017, 6, .	6.0	181
4	Salicylic Acid Regulates Plasmodesmata Closure during Innate Immune Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 2315-2329.	6.6	166
5	Selective Trafficking of Non-Cell-Autonomous Proteins Mediated by NtNCAPP1. <i>Science</i> , 2003, 299, 392-396.	12.6	165
6	<i>Arabidopsis</i> callose synthases CalS1/8 regulate plasmodesmal permeability during stress. <i>Nature Plants</i> , 2016, 2, 16034.	9.3	159
7	Plasmodesmal-Associated Protein Kinase in Tobacco and <i>Arabidopsis</i> Recognizes a Subset of Non-Cell-Autonomous Proteins. <i>Plant Cell</i> , 2005, 17, 2817-2831.	6.6	142
8	Plasmodesmata Localizing Proteins Regulate Transport and Signaling during Systemic Acquired Immunity in Plants. <i>Cell Host and Microbe</i> , 2016, 19, 541-549.	11.0	139
9	Plasmodesmata in integrated cell signalling: insights from development and environmental signals and stresses. <i>Journal of Experimental Botany</i> , 2014, 65, 6337-6358.	4.8	136
10	Kinetic and Calcium-Binding Properties of Three Calcium-Dependent Protein Kinase Isoenzymes from Soybean. <i>Biochemistry</i> , 1998, 37, 6801-6809.	2.5	120
11	GIP, a <i>Petunia hybrida</i> GA-induced cysteine-rich protein: a possible role in shoot elongation and transition to flowering. <i>Plant Journal</i> , 2004, 37, 229-238.	5.7	119
12	Plasmodesmata: the battleground against intruders. <i>Trends in Plant Science</i> , 2011, 16, 201-210.	8.8	113
13	A viral resistance gene from common bean functions across plant families and is up-regulated in a non-virus-specific manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11856-11861.	7.1	107
14	Plasmodesmata at a glance. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	93
15	<i>Arabidopsis</i> Casein Kinase 1-Like 6 Contains a Microtubule-Binding Domain and Affects the Organization of Cortical Microtubules. <i>Plant Physiology</i> , 2008, 148, 1897-1907.	4.8	89
16	Cell-to-Cell Movement of Two Interacting AT-Hook Factors in <i>Arabidopsis</i> Root Vascular Tissue Patterning. <i>Plant Cell</i> , 2013, 25, 187-201.	6.6	79
17	Characterization of <i>Cucurbita maxima</i> Phloem Serpin-1 (CmPS-1). <i>Journal of Biological Chemistry</i> , 2000, 275, 35122-35128.	3.4	76
18	Phosphorylation of viral movement proteins – regulation of cell-to-cell trafficking. <i>Trends in Microbiology</i> , 2001, 9, 5-8.	7.7	72

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19	Maize Genes Encoding the Small Subunit of ADP- Glucose Pyrophosphorylase. <i>Plant Physiology</i> , 2001, 127, 173-183.	4.8	71
20	Sphingolipid biosynthesis modulates plasmodesmal ultrastructure and phloem unloading. <i>Nature Plants</i> , 2019, 5, 604-615.	9.3	65
21	Parallels between nuclear-pore and plasmodesmal trafficking of information molecules. <i>Planta</i> , 2000, 210, 177-187.	3.2	52
22	Calcium-regulated Phosphorylation of Soybean Serine Acetyltransferase in Response to Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2006, 281, 27405-27415.	3.4	52
23	Analysis of the Complexity of Protein Kinases within the Phloem Sieve Tube System. <i>Journal of Biological Chemistry</i> , 2002, 277, 15325-15332.	3.4	47
24	Plasmodesmata: a signaling hub at the cellular boundary. <i>Current Opinion in Plant Biology</i> , 2015, 27, 133-140.	7.1	45
25	Highly efficient gene silencing using perfect complementary artificial miRNA targeting AP1 or heteromeric artificial miRNA targeting AP1 and CAL genes. <i>Plant Cell Reports</i> , 2009, 28, 469-480.	5.6	43
26	Auxin-dependent control of a plasmodesmal regulator creates a negative feedback loop modulating lateral root emergence. <i>Nature Communications</i> , 2020, 11, 364.	12.8	41
27	New and old roles of plasmodesmata in immunity and parallels to tunneling nanotubes. <i>Plant Science</i> , 2014, 221-222, 13-20.	3.6	37
28	Plasmodesmata in phloem: different gateways for different cargoes. <i>Current Opinion in Plant Biology</i> , 2018, 43, 119-124.	7.1	33
29	iPTMnet: Integrative Bioinformatics for Studying PTM Networks. <i>Methods in Molecular Biology</i> , 2017, 1558, 333-353.	0.9	26
30	Drop-ANd-See: A Simple, Real-Time, and Noninvasive Technique for Assaying Plasmodesmal Permeability. <i>Methods in Molecular Biology</i> , 2015, 1217, 149-156.	0.9	20
31	Non-cell Autonomous RNA Trafficking and Long-Distance Signaling. <i>Journal of Plant Biology</i> , 2009, 52, 10-18.	2.1	16
32	An evolutionarily conserved motif is required for Plasmodesmata-located protein 5 to regulate cell-to-cell movement. <i>Communications Biology</i> , 2020, 3, 291.	4.4	15
33	Versatile casein kinase 1. <i>Plant Signaling and Behavior</i> , 2009, 4, 652-654.	2.4	14
34	pGenN, a Gene Normalization Tool for Plant Genes and Proteins in Scientific Literature. <i>PLoS ONE</i> , 2015, 10, e0135305.	2.5	12
35	Partitioning of casein kinase 1-like 6 to late endosome-like vesicles. <i>Protoplasma</i> , 2010, 240, 45-56.	2.1	10
36	A new algorithm to train hidden Markov models for biological sequences with partial labels. <i>BMC Bioinformatics</i> , 2021, 22, 162.	2.6	9

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37	Localization of Fluorescently Tagged Protein to Plasmodesmata by Correlative Light and Electron Microscopy. <i>Methods in Molecular Biology</i> , 2015, 1217, 121-133.	0.9	7
38	Phosphorylation of Movement Proteins by the Plasmodesmal-Associated Protein Kinase. <i>Methods in Molecular Biology</i> , 2008, 451, 625-639.	0.9	7
39	A Tale of Two Domains Pushing Lateral Roots. <i>Trends in Plant Science</i> , 2021, 26, 770-779.	8.8	5
40	To close or not to close. <i>Plant Signaling and Behavior</i> , 2012, 7, 431-436.	2.4	4
41	Detecting De Novo Plasmodesmata Targeting Signals and Identifying PD Targeting Proteins. <i>Lecture Notes in Computer Science</i> , 2020, , 1-12.	1.3	3
42	Plasmodesmata and Noncell Autonomous Signaling in Plants. <i>Plant Cell Monographs</i> , 2011, , 87-107.	0.4	1
43	Evaluating molecular movement through plasmodesmata. <i>Methods in Cell Biology</i> , 2020, 160, 99-117.	1.1	1
44	Editorial: Plasmodesmata: Recent Progress and New Insights. <i>Frontiers in Plant Science</i> , 2022, 13, 840821.	3.6	1