Kentaro Tamura

List of Publications by Year
in descending order

63 papers	3,910 citations	136950 32 h-index	128289 60 g-index
68 all docs	68 docs citations	68 times ranked	3925 citing authors

#	Article	IF	Citations
1	Myosin-dependent endoplasmic reticulum motility and F-actin organization in plant cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6894-6899.	7.1	306
2	Identification and Characterization of Nuclear Pore Complex Components in<i>Arabidopsis thaliana</i>Â Â. Plant Cell, 2011, 22, 4084-4097.	6.6	256
3	A novel membrane fusion-mediated plant immunity against bacterial pathogens. Genes and Development, 2009, 23, 2496-2506.	5.9	244
4	Vacuolar sorting receptor for seed storage proteins in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 16095-16100.	7.1	235
5	Why green fluorescent fusion proteins have not been observed in the vacuoles of higher plants. Plant Journal, 2003, 35, 545-555.	5.7	226
6	Myosin XI-i Links the Nuclear Membrane to the Cytoskeleton to Control Nuclear Movement and Shape in Arabidopsis. Current Biology, 2013, 23, 1776-1781.	3.9	193
7	Blue light-induced association of phototropin 2 with the Golgi apparatus. Plant Journal, 2006, 45, 994-1005.	5.7	146
8	KATAMARI1/MURUS3 Is a Novel Golgi Membrane Protein That Is Required for Endomembrane Organization in Arabidopsis. Plant Cell, 2005, 17, 1764-1776.	6.6	134
9	Identification and Dynamics of <i>Arabidopsis</i> Adaptor Protein-2 Complex and Its Involvement in Floral Organ Development. Plant Cell, 2013, 25, 2958-2969.	6.6	121
10	Arabidopsis VPS35, a Retromer Component, is Required for Vacuolar Protein Sorting and Involved in Plant Growth and Leaf Senescence. Plant and Cell Physiology, 2008, 49, 142-156.	3.1	105
11	A Missense Mutation in the <i>Arabidopsis</i> COPII Coat Protein Sec24A Induces the Formation of Clusters of the Endoplasmic Reticulum and Golgi Apparatus. Plant Cell, 2009, 21, 3655-3671.	6.6	103
12	GNOM-LIKE1/ERMO1 and SEC24a/ERMO2 Are Required for Maintenance of Endoplasmic Reticulum Morphology in<i>Arabidopsis thaliana</i>Â. Plant Cell, 2009, 21, 3672-3685.	6.6	92
13	Arabidopsis Vacuolar Sorting Mutants (green fluorescent seed) Can Be Identified Efficiently by Secretion of Vacuole-Targeted Green Fluorescent Protein in Their Seeds. Plant Cell, 2007, 19, 597-609.	6.6	87
14	Arabidopsis KAM2/GRV2 Is Required for Proper Endosome Formation and Functions in Vacuolar Sorting and Determination of the Embryo Growth Axis. Plant Cell, 2007, 19, 320-332.	6.6	83
15	The Novel Nuclear Envelope Protein KAKU4 Modulates Nuclear Morphology in<i>Arabidopsis</i>Â. Plant Cell, 2014, 26, 2143-2155.	6.6	81
16	The AP-1 Âµ Adaptin is Required for KNOLLE Localization at the Cell Plate to Mediate Cytokinesis in Arabidopsis. Plant and Cell Physiology, 2013, 54, 838-847.	3.1	79
17	The molecular architecture of the plant nuclear pore complex. Journal of Experimental Botany, 2013, 64, 823-832.	4.8	78
18	A Vacuolar Sorting Receptor PV72 on the Membrane of Vesicles that Accumulate Precursors of Seed Storage Proteins (PAC Vesicles). Plant and Cell Physiology, 2002, 43, 1086-1095.	3.1	74

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19	An ER-Localized Form of PV72, a Seed-Specific Vacuolar Sorting Receptor, Interferes the Transport of an NPIR-Containing Proteinase in Arabidopsis Leaves. Plant and Cell Physiology, 2004, 45, 9-17.	3.1	64
20	Involvement of the nuclear pore complex in morphology of the plant nucleus. Nucleus, 2011, 2, 168-172.	2.2	63
21	<scp>GFS</scp>9/<scp>TT</scp>9 contributes to intracellular membrane trafficking and flavonoid accumulation in <i><scp>A</scp>rabidopsis thaliana</i>. Plant Journal, 2014, 80, 410-423.	5.7	63
22	Regulation of organ straightening and plant posture by an actinâ€“myosin XI cytoskeleton. Nature Plants, 2015, 1, 15031.	9.3	60
23	An isoform of myosin XI is responsible for the translocation of endoplasmic reticulum in tobacco cultured BY-2 cells. Journal of Experimental Botany, 2009, 60, 197-212.	4.8	59
24	Leaf Endoplasmic Reticulum Bodies Identified in Arabidopsis Rosette Leaves Are Involved in Defense against Herbivory. Plant Physiology, 2019, 179, 1515-1524.	4.8	58
25	Endoplasmic reticulum-resident proteins are constitutively transported to vacuoles for degradation. Plant Journal, 2004, 39, 393-402.	5.7	53
26	MAIGO5 Functions in Protein Export from Golgi-Associated Endoplasmic Reticulum Exit Sites in<i>Arabidopsis</i>Â. Plant Cell, 2013, 25, 4658-4675.	6.6	53
27	Gene expression profiles in rice gametes and zygotes: identification of gamete-enriched genes and up- or down-regulated genes in zygotes after fertilization. Journal of Experimental Botany, 2013, 64, 1927-1940.	4.8	52
28	Functional insights of nucleocytoplasmic transport in plants. Frontiers in Plant Science, 2014, 5, 118.	3.6	50
29	Functions of plant-specific myosin XI: from intracellular motility to plant postures. Current Opinion in Plant Biology, 2015, 28, 30-38.	7.1	44
30	Structural and functional relationships between plasmodesmata and plant endoplasmic reticulumâ€“plasma membrane contact sites consisting of three synaptotagmins. New Phytologist, 2020, 226, 798-808.	7.3	40
31	Sphingoid base composition of monoglucosylceramide in Brassicaceae. Journal of Plant Physiology, 2000, 157, 453-456.	3.5	39
32	Degradation of Sphingoid Long-Chain Base 1-Phosphates (LCB-1Ps): Functional Characterization and Expression of AtDPL1 Encoding LCB-1P Lyase Involved in the Dehydration Stress Response in Arabidopsis. Plant and Cell Physiology, 2008, 49, 1758-1763.	3.1	39
33	Subnuclear gene positioning through lamina association affects copper tolerance. Nature Communications, 2020, 11, 5914.	12.8	37
34	Characterization of an Arabidopsis cDNA Encoding a Subunit of Serine Palmitoyltransferase, the Initial Enzyme in Sphingolipid Biosynthesis. Plant and Cell Physiology, 2001, 42, 1274-1281.	3.1	36
35	MAG4/Atp115 is a Golgi-Localized Tethering Factor that Mediates Efficient Anterograde Transport in Arabidopsis. Plant and Cell Physiology, 2010, 51, 1777-1787.	3.1	33
36	Phosphorylation of the C Terminus of RHD3 Has a Critical Role in Homotypic ER Membrane Fusion in Arabidopsis. Plant Physiology, 2016, 170, 867-880.	4.8	31

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37	Plant-specific insertions in the soybean aspartic proteinases, soyAP1 and soyAP2, perform different functions of vacuolar targeting. Journal of Plant Physiology, 2006, 163, 856-862.	3.5	29
38	Recent advances in understanding plant nuclear envelope proteins involved in nuclear morphology. Journal of Experimental Botany, 2015, 66, 1641-1647.	4.8	28
39	Comprehensive nuclear proteome of Arabidopsis obtained by sequential extraction. Nucleus, 2019, 10, 81-92.	2.2	28
40	Nucleoporin 75 Is Involved in the Ethylene-Mediated Production of Phytoalexin for the Resistance of <i>Nicotiana benthamiana</i> to <i>Phytophthora infestans</i>. Molecular Plant-Microbe Interactions, 2014, 27, 1318-1330.	2.6	27
41	BEACH-Domain Proteins Act Together in a Cascade to Mediate Vacuolar Protein Trafficking and Disease Resistance in Arabidopsis. Molecular Plant, 2015, 8, 389-398.	8.3	27
42	Synaptotagmin-Associated Endoplasmic Reticulum-Plasma Membrane Contact Sites Are Localized to Immobile ER Tubules. Plant Physiology, 2018, 178, 641-653.	4.8	27
43	A missense mutation in the vacuolar protein GOLD36 causes organizational defects in the ER and aberrant protein trafficking in the plant secretory pathway. Plant Journal, 2010, 63, 901-913.	5.7	23
44	Plant Nuclei Move to Escape Ultraviolet-Induced DNA Damage and Cell Death. Plant Physiology, 2016, 170, 678-685.	4.8	22
45	An ABC transporter B family protein, ABCB19, is required for cytoplasmic streaming and gravitropism of the inflorescence stems. Plant Signaling and Behavior, 2016, 11, e1010947.	2.4	21
46	The nuclear envelope protein KAKU4 determines the migration order of the vegetative nucleus and sperm cells in pollen tubes. Journal of Experimental Botany, 2020, 71, 6273-6281.	4.8	20
47	ANGUSTIFOLIA Regulates Actin Filament Alignment for Nuclear Positioning in Leaves. Plant Physiology, 2019, 179, 233-247.	4.8	18
48	Nuclear pore complex-mediated gene expression in Arabidopsis thaliana. Journal of Plant Research, 2020, 133, 449-455.	2.4	17
49	Nup82 functions redundantly with Nup136 in a salicylic acid-dependent defense response of Arabidopsis thaliana. Nucleus, 2017, 8, 301-311.	2.2	16
50	The AP-1 Complex is Required for Proper Mucilage Formation in Arabidopsis Seeds. Plant and Cell Physiology, 2018, 59, 2331-2338.	3.1	15
51	The Integrity of the Plant Golgi Apparatus Depends on Cell Growth-Controlled Activity of GNL1. Molecular Plant, 2013, 6, 905-915.	8.3	14
52	Identification of Periplasmic Root-Cap Mucilage in Developing Columella Cells of Arabidopsis thaliana. Plant and Cell Physiology, 2019, 60, 1296-1303.	3.1	13
53	Endoplasmic Reticulum (ER) Membrane Proteins (LUNAPARKs) are Required for Proper Configuration of the Cortical ER Network in Plant Cells. Plant and Cell Physiology, 2018, 59, 1931-1941.	3.1	8
54	Fluorescent protein-based imaging and tissue-specific RNA-seq analysis of Arabidopsis hydathodes. Journal of Experimental Botany, 2021, 72, 1260-1270.	4.8	8

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55	Regulation and Physiological Significance of the Nuclear Shape in Plants. Frontiers in Plant Science, 2021, 12, 673905.	3.6	7
56	Biogenesis of leaf endoplasmic reticulum body is regulated by both jasmonate-dependent and independent pathways. Plant Signaling and Behavior, 2019, 14, 1622982.	2.4	6
57	Decreased Expression of a Gene Caused by a T-DNA Insertion in an Adjacent Gene in Arabidopsis. PLoS ONE, 2016, 11, e0147911.	2.5	5
58	Spatiotemporal relationship between auxin dynamics and hydathode development in Arabidopsis leaf teeth. Plant Signaling and Behavior, 2021, , 1989216.	2.4	3
59	Exploring the Protein Composition of the Plant Nuclear Envelope. Methods in Molecular Biology, 2016, 1411, 45-65.	0.9	2
60	Subcellular localisation of an endoplasmic reticulum-plasma membrane tethering factor, SYNAPTOTAGMIN 1, is affected by fluorescent protein fusion. Plant Signaling and Behavior, 2018, 13, e1547577.	2.4	1
61	Computational Methods for Studying the Plant Nucleus. Methods in Molecular Biology, 2018, 1840, 205-219.	0.9	0
62	In vitro assembly of nuclear envelope in tobacco cultured cells. Nucleus, 2021, 12, 82-89.	2.2	0
63	Validation of Nuclear Pore Complex Proteinâ€“Protein Interactions by Transient Expression in Plants. Methods in Molecular Biology, 2022, 2502, 235-243.	0.9	0