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	Validation of Nuclear Pore Complex Proteinâ€"Protein Interactions by Transient Expression in Plants. Methods in Molecular Biology, 2022, 2502, 235-243.	0.9	0
2	Fluorescent protein-based imaging and tissue-specific RNA-seq analysis of Arabidopsis hydathodes. Journal of Experimental Botany, 2021, 72, 1260-1270.	4.8	8
3	In vitro assembly of nuclear envelope in tobacco cultured cells. Nucleus, 2021, 12, 82-89.	2.2	0
4	Regulation and Physiological Significance of the Nuclear Shape in Plants. Frontiers in Plant Science, 2021, 12, 673905.	3.6	7
5	Spatiotemporal relationship between auxin dynamics and hydathode development in Arabidopsis leaf teeth. Plant Signaling and Behavior, 2021, , 1989216.	2.4	3
6	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
7	Subnuclear gene positioning through lamina association affects copper tolerance. Nature Communications, 2020, 11, 5914.	12.8	37
8	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
9	Nuclear pore complex-mediated gene expression in Arabidopsis thaliana. Journal of Plant Research, 2020, 133, 449-455.	2.4	17
10	Leaf Endoplasmic Reticulum Bodies Identified in Arabidopsis Rosette Leaves Are Involved in Defense against Herbivory. Plant Physiology, 2019, 179, 1515-1524.	4.8	58
11	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
12	Comprehensive nuclear proteome of Arabidopsis obtained by sequential extraction. Nucleus, 2019, 10, 81-92.	2.2	28
13	Identification of Periplasmic Root-Cap Mucilage in Developing Columella Cells of Arabidopsis thaliana. Plant and Cell Physiology, 2019, 60, 1296-1303.	3.1	13
14	ANGUSTIFOLIA Regulates Actin Filament Alignment for Nuclear Positioning in Leaves. Plant Physiology, 2019, 179, 233-247.	4.8	18
15	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
16	Computational Methods for Studying the Plant Nucleus. Methods in Molecular Biology, 2018, 1840, 205-219.	0.9	0
17	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
18	The AP-1 Complex is Required for Proper Mucilage Formation in Arabidopsis Seeds. Plant and Cell Physiology, 2018, 59, 2331-2338.	3.1	15

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19	Synaptotagmin-Associated Endoplasmic Reticulum-Plasma Membrane Contact Sites Are Localized to Immobile ER Tubules. Plant Physiology, 2018, 178, 641-653.	4.8	27
20	Nup82 functions redundantly with Nup136 in a salicylic acid-dependent defense response of Arabidopsis thaliana. Nucleus, 2017, 8, 301-311.	2.2	16
21	Exploring the Protein Composition of the Plant Nuclear Envelope. Methods in Molecular Biology, 2016, 1411, 45-65.	0.9	2
22	Plant Nuclei Move to Escape Ultraviolet-Induced DNA Damage and Cell Death. Plant Physiology, 2016, 170, 678-685.	4.8	22
23	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
24	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
25	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
26	Recent advances in understanding plant nuclear envelope proteins involved in nuclear morphology. Journal of Experimental Botany, 2015, 66, 1641-1647.	4.8	28
27	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
28	Regulation of organ straightening and plant posture by an actinâ€“myosin XI cytoskeleton. Nature Plants, 2015, 1, 15031.	9.3	60
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	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
31	Functional insights of nucleocytoplasmic transport in plants. Frontiers in Plant Science, 2014, 5, 118.	3.6	50
32	<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
33	The Novel Nuclear Envelope Protein KAKU4 Modulates Nuclear Morphology in<i>Arabidopsis</i>Â. Plant Cell, 2014, 26, 2143-2155.	6.6	81
34	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
35	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
36	The molecular architecture of the plant nuclear pore complex. Journal of Experimental Botany, 2013, 64, 823-832.	4.8	78

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37	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
38	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
39	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
40	The Integrity of the Plant Golgi Apparatus Depends on Cell Growth-Controlled Activity of GNL1. Molecular Plant, 2013, 6, 905-915.	8.3	14
41	Identification and Characterization of Nuclear Pore Complex Components in<i>Arabidopsis thaliana</i>Â Â. Plant Cell, 2011, 22, 4084-4097.	6.6	256
42	Involvement of the nuclear pore complex in morphology of the plant nucleus. Nucleus, 2011, 2, 168-172.	2.2	63
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	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
45	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
46	A novel membrane fusion-mediated plant immunity against bacterial pathogens. Genes and Development, 2009, 23, 2496-2506.	5.9	244
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	Blue light-induced association of phototropin 2 with the Golgi apparatus. Plant Journal, 2006, 45, 994-1005.	5.7	146
56	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
57	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
58	Endoplasmic reticulum-resident proteins are constitutively transported to vacuoles for degradation. Plant Journal, 2004, 39, 393-402.	5.7	53
59	Why green fluorescent fusion proteins have not been observed in the vacuoles of higher plants. Plant Journal, 2003, 35, 545-555.	5.7	226
60	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
61	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
62	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
63	Sphingoid base composition of monoglucosylceramide in Brassicaceae. Journal of Plant Physiology, 2000, 157, 453-456.	3.5	39