Byung-Ho Kang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4454176/publications.pdf

Version: 2024-02-01

77 papers	4,377 citations	101543 36 h-index	114465 63 g-index
84 all docs	84 docs citations	84 times ranked	6094 citing authors

#	Article	IF	Citations
1	A glossary of plant cell structures: Current insights and future questions. Plant Cell, 2022, 34, 10-52.	6.6	27
2	Accelerated remodeling of the mesophyll-bundle sheath interface in the maize C4 cycle mutant leaves. Scientific Reports, 2022, 12, 5057.	3.3	4
3	Autophagy promotes organelle clearance and organized cell separation of living root cap cells in Arabidopsis thaliana. Development (Cambridge), 2022, 149, .	2.5	12
4	Arabidopsis seedling establishment under waterlogging requires ABCG5â€mediated formation of a dense cuticle layer. New Phytologist, 2021, 229, 156-172.	7.3	33
5	Threeâ€dimensional reconstruction and comparison of vacuolar membranes in response to viral infection. Journal of Integrative Plant Biology, 2021, 63, 353-364.	8.5	14
6	Chloroplast thylakoid ascorbate peroxidase PtotAPX plays a key role in chloroplast development by decreasing hydrogen peroxide in Populus tomentosa. Journal of Experimental Botany, 2021, 72, 4333-4354.	4.8	7
7	Friendly mediates membrane depolarization-induced mitophagy in Arabidopsis. Current Biology, 2021, 31, 1931-1944.e4.	3.9	47
8	The disassembly of lipid droplets in Chlamydomonas. New Phytologist, 2021, 231, 1359-1364.	7.3	19
9	Electron Microscopy Views of Dimorphic Chloroplasts in C4 Plants. Frontiers in Plant Science, 2020, 11, 1020.	3.6	5
10	The phosphatidylethanolamine-binding protein DTH1 mediates degradation of lipid droplets in Chlamydomonas reinhardtii. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23131-23139.	7.1	14
11	Plant and animal chromatin three-dimensional organization: similar structures but different functions. Journal of Experimental Botany, 2020, 71, 5119-5128.	4.8	29
12	Correlative Light and Electron Microscopy Imaging of the Plant trans-Golgi Network. Methods in Molecular Biology, 2020, 2177, 59-67.	0.9	7
13	The Arabidopsis Protein Disulfide Isomerase Subfamily M Isoform, PDI9, Localizes to the Endoplasmic Reticulum and Influences Pollen Viability and Proper Formation of the Pollen Exine During Heat Stress. Frontiers in Plant Science, 2020, 11, 610052.	3.6	14
14	CrABCA2 Facilitates Triacylglycerol Accumulation in under Nitrogen Starvation. Molecules and Cells, 2020, 43, 48-57.	2.6	5
15	Dietary fatty acids promote lipid droplet diversity through seipin enrichment in an ER subdomain. Nature Communications, 2019, 10, 2902.	12.8	53
16	Modular enzyme assembly for enhanced cascade biocatalysis and metabolic flux. Nature Communications, 2019, 10, 4248.	12.8	158
17	Electron tomography of plant organelles and the outlook for correlative microscopic approaches. New Phytologist, 2019, 223, 1756-1761.	7.3	21
18	Identification of Long Noncoding RNAs in the Developing Endosperm of Maize. Methods in Molecular Biology, 2019, 1933, 49-65.	0.9	4

#	Article	IF	Citations
19	Electron Tomography Analysis of Thylakoid Assembly and Fission in Chloroplasts of a Single-Cell C4 plant, Bienertia sinuspersici. Scientific Reports, 2019, 9, 19640.	3.3	12
20	A whole-cell electron tomography model of vacuole biogenesis in Arabidopsis root cells. Nature Plants, 2019, 5, 95-105.	9.3	89
21	Three-Dimensional Analysis of Chloroplast Structures Associated with Virus Infection. Plant Physiology, 2018, 176, 282-294.	4.8	62
22	The trans-Golgi sorting and the exocytosis of xylogalacturonan from the root border/border-like cell are conserved among monocot and dicot plant species. Plant Signaling and Behavior, 2018, 13, 1-3.	2.4	3
23	Thylakoid-Bound Polysomes and a Dynamin-Related Protein, FZL, Mediate Critical Stages of the Linear Chloroplast Biogenesis Program in Greening Arabidopsis Cotyledons. Plant Cell, 2018, 30, 1476-1495.	6.6	39
24	A Non-Classical Member of the Protein Disulfide Isomerase Family, PDI7 of Arabidopsis thaliana, Localizes to the cis-Golgi and Endoplasmic Reticulum Membranes. Plant and Cell Physiology, 2017, 58, 1103-1117.	3.1	8
25	Spatio-temporal analysis of coding and long noncoding transcripts during maize endosperm development. Scientific Reports, 2017, 7, 3838.	3.3	19
26	SH3 Domain-Containing Protein 2 Plays a Crucial Role at the Step of Membrane Tubulation during Cell Plate Formation. Plant Cell, 2017, 29, 1388-1405.	6.6	42
27	ATG9 regulates autophagosome progression from the endoplasmic reticulum in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E426-E435.	7.1	200
28	Semiautomatic Segmentation of Plant Golgi Stacks in Electron Tomograms Using 3dmod. Methods in Molecular Biology, 2017, 1662, 97-104.	0.9	12
29	3D Printing of Plant Golgi Stacks from Their Electron Tomographic Models. Methods in Molecular Biology, 2017, 1662, 105-113.	0.9	1
30	A distinct class of vesicles derived from the transâ€Golgi mediates secretion of xylogalacturonan in the root border cell. Plant Journal, 2017, 92, 596-610.	5.7	56
31	Arabidopsis protein disulfide isomerase-8 is a type I endoplasmic reticulum transmembrane protein with thiol-disulfide oxidase activity. BMC Plant Biology, 2016, 16, 181.	3.6	9
32	Acute heart failure with cardiomyocyte atrophy induced in adult mice by ablation of cardiac myosin light chain kinase. Cardiovascular Research, 2016, 111, 34-43.	3.8	31
33	Unconventional Protein Secretion in Plants. Methods in Molecular Biology, 2016, 1459, 47-63.	0.9	22
34	Nuclear Pore Permeabilization Is a Convergent Signaling Event in Effector-Triggered Immunity. Cell, 2016, 166, 1526-1538.e11.	28.9	128
35	STEM Tomography Imaging of Hypertrophied Golgi Stacks in Mucilage-Secreting Cells. Methods in Molecular Biology, 2016, 1496, 55-62.	0.9	10
36	Kinetics and specificity of paternal mitochondrial elimination in Caenorhabditis elegans. Nature Communications, 2016, 7, 12569.	12.8	43

#	Article	IF	Citations
37	Postmeiotic development of pollen surface layers requires two Arabidopsis ABCG-type transporters. Plant Cell Reports, 2016, 35, 1863-1873.	5.6	47
38	Mitochondrial endonuclease G mediates breakdown of paternal mitochondria upon fertilization. Science, 2016, 353, 394-399.	12.6	148
39	C2-O-02Dimorphic secretory vesicles produced from the Golgi stacks of mucilage secreting root cap cells. Microscopy (Oxford, England), 2015, 64, i65.1-i65.	1.5	0
40	Shared elements of host-targeting pathways among apicomplexan parasites of differing lifestyles. Cellular Microbiology, 2015, 17, 1618-1639.	2.1	32
41	AtPGL3 is an Arabidopsis BURP domain protein that is localized to the cell wall and promotes cell enlargement. Frontiers in Plant Science, 2015, 6, 412.	3.6	31
42	Characterization of a Chlamydomonas reinhardtii mutant defective in a maltose transporter. Journal of Plant Biology, 2015, 58, 344-351.	2.1	7
43	Conserved Functions of the MATE Transporter BIG EMBRYO1 in Regulation of Lateral Organ Size and Initiation Rate. Plant Cell, 2015, 27, 2288-2300.	6.6	66
44	Auxin-Callose-Mediated Plasmodesmal Gating Is Essential for Tropic Auxin Gradient Formation and Signaling. Developmental Cell, 2014, 28, 132-146.	7.0	155
45	Adaptive expansion of the maize maternally expressed gene (Meg) family involves changes in expression patterns and protein secondary structures of its members. BMC Plant Biology, 2014, 14, 204.	3.6	16
46	Retention mechanisms for ER and Golgi membrane proteins. Trends in Plant Science, 2014, 19, 508-515.	8.8	83
47	High-Pressure Freezing and Low-Temperature Processing of Plant Tissue Samples for Electron Microscopy. Methods in Molecular Biology, 2014, 1080, 147-157.	0.9	16
48	Reconstructing Plant Cells in 3D by Serial Section Electron Tomography. Methods in Molecular Biology, 2014, 1080, 159-170.	0.9	21
49	Defective chloroplast development inhibits maintenance of normal levels of abscisic acid in a mutant of the Arabidopsis <scp>RH</scp>3 <scp>DEAD</scp>â€box protein during early postâ€germination growth. Plant Journal, 2013, 73, 720-732.	5.7	48
50	Cisâ€Golgi Cisternal Assembly and Biosynthetic Activation Occur Sequentially in Plants and Algae. Traffic, 2013, 14, 551-567.	2.7	75
51	Overexpression of Arabidopsis Plasmodesmata Germin-Like Proteins Disrupts Root Growth and Development Â. Plant Cell, 2012, 24, 3630-3648.	6.6	85
52	Vaccinia virions deficient in transcription enzymes lack a nucleocapsid. Virology, 2012, 434, 50-58.	2.4	10
53	CED-1, CED-7, and TTR-52 Regulate Surface Phosphatidylserine Expression on Apoptotic and Phagocytic Cells. Current Biology, 2012, 22, 1267-1275.	3.9	81
54	Callose deposition in the phloem plasmodesmata and inhibition of phloem transport in citrus leaves infected with â€œCandidatus Liberibacter asiaticusâ€. Protoplasma, 2012, 249, 687-697.	2.1	153

#	Article	IF	Citations
55	â€˜Ca. Liberibacter asiaticusâ€™ Carries an Excision Plasmid Prophage and a Chromosomally Integrated Prophage That Becomes Lytic in Plant Infections. Molecular Plant-Microbe Interactions, 2011, 24, 458-468.	2.6	107
56	Functional characterization of Arabidopsis thaliana isopropylmalate dehydrogenases reveals their important roles in gametophyte development. New Phytologist, 2011, 189, 160-175.	7.3	39
57	Electron Tomography of RabA4bâ€•and PIâ€4KÎ²1â€Labeled Trans Golgi Network Compartments in Arabidopsis. Traffic, 2011, 12, 313-329.	2.7	246
58	Discovery of Genes Expressed in Basal Endosperm Transfer Cells in Maize Using 454 Transcriptome Sequencing. Plant Molecular Biology Reporter, 2011, 29, 835-847.	1.8	23
59	Protein Disulfide Isomerase-2 of Arabidopsis Mediates Protein Folding and Localizes to Both the Secretory Pathway and Nucleus, Where It Interacts with Maternal Effect Embryo Arrest Factor. Molecules and Cells, 2011, 32, 459-476.	2.6	47
60	Shrinkage and fragmentation of thetrans-Golgi network in non-meristematic plant cells. Plant Signaling and Behavior, 2011, 6, 884-886.	2.4	12
61	Leishmania parasitophorous vacuoles interact continuously with the host cell's endoplasmic reticulum; parasitophorous vacuoles are hybrid compartments. Cellular Microbiology, 2010, 12, 1480-1494.	2.1	58
62	Auxin-Mediated Ribosomal Biogenesis Regulates Vacuolar Trafficking inArabidopsisÂ. Plant Cell, 2010, 22, 143-158.	6.6	82
63	Electron Microscopy and High-Pressure Freezing of Arabidopsis. Methods in Cell Biology, 2010, 96, 259-283.	1.1	70
64	Miniature1-Encoded Cell Wall Invertase Is Essential for Assembly and Function of Wall-in-Growth in the Maize Endosperm Transfer Cell Â Â. Plant Physiology, 2009, 151, 1366-1376.	4.8	90
65	Statolith Sedimentation Kinetics and Force Transduction to the Cortical Endoplasmic Reticulum in Gravity-SensingArabidopsisColumella Cells Â. Plant Cell, 2009, 21, 843-860.	6.6	147
66	Bcl-2 Proteins EGL-1 and CED-9 Do Not Regulate Mitochondrial Fission or Fusion in Caenorhabditis elegans. Current Biology, 2009, 19, 768-773.	3.9	24
67	ER-to-Golgi transport by COPII vesicles in Arabidopsis involves a ribosome-excluding scaffold that is transferred with the vesicles to the Golgi matrix. Protoplasma, 2008, 234, 51-64.	2.1	88
68	Caenorhabditis elegans drp-1 and fis-2 Regulate Distinct Cell-Death Execution Pathways Downstream of ced-3 and Independent of ced-9. Molecular Cell, 2008, 31, 586-597.	9.7	128
69	Nanoscale Architecture of Endoplasmic Reticulum Export Sites and of Golgi Membranes as Determined by Electron Tomography Â. Plant Physiology, 2008, 147, 1454-1468.	4.8	168
70	Electron microscopy analysis of maize basal endosperm transfer cells processed by high-pressure freezing and freeze-substitution. Microscopy and Microanalysis, 2008, 14, 1502-1503.	0.4	0
71	Identification and characterization of COPIa- and COPIb-type vesicle classes associated with plant and algal Golgi. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 163-168.	7.1	131
72	The cyclic nucleotide gated cation channel AtCNGC10 traffics from the ER via Golgi vesicles to the plasma membrane of Arabidopsis root and leaf cells. BMC Plant Biology, 2007, 7, 48.	3.6	58

#	Article	IF	Citations
73	The dynamin-like protein ADL1C is essential for plasma membrane maintenance during pollen maturation. Plant Journal, 2003, 35, 1-15.	5.7	86
74	Members of the Arabidopsis Dynamin-Like Gene Family, ADL1, Are Essential for Plant Cytokinesis and Polarized Cell Growth[W]. Plant Cell, 2003, 15, 899-913.	6.6	159
75	Three-Dimensional Analysis of Syncytial-Type Cell Plates during Endosperm Cellularization Visualized by High Resolution Electron Tomography[W]. Plant Cell, 2001, 13, 2033-2051.	6.6	175
76	Three-Dimensional Analysis of Syncytial-Type Cell Plates during Endosperm Cellularization Visualized by High Resolution Electron Tomography. Plant Cell, 2001, 13, 2033.	6.6	0
77	The Arabidopsis Cell Plate-Associated Dynamin-Like Protein, ADL1Ap, Is Required for Multiple Stages of Plant Growth and Development. Plant Physiology, 2001, 126, 47-68.	4.8	103