Electron tomography of RabA4b- and PI-4K?1-labeled trans Golgi network compartments in Arabidopsis

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Traffic, 2011, 12, 313-29.

#	Paper	IF	Citations
227	Multivesicular bodies mature from the trans-Golgi network/early endosome in Arabidopsis. **2011**, 23, 3463-81		192
226	Protein-Protein Interaction Network and Subcellular Localization of the Arabidopsis Thaliana ESCRT Machinery. *Frontiers in Plant Science*, **2011**, 2, 20	6.2	49
225	A specific role for Arabidopsis TRAPPII in post-Golgi trafficking that is crucial for cytokinesis and cell polarity. **2011**, 68, 234-48		58
224	Membrane-trafficking sorting hubs: cooperation between PI4P and small GTPases at the trans-Golgi network. **2011**, 21, 515-25		81
223	Green light for polyphosphoinositide signals in plants. **2011**, 14, 489-97		161
222	Signals and mechanisms affecting vesicular trafficking during root growth. **2011**, 14, 571-9		18
221	Plant endosomal trafficking pathways. **2011**, 14, 666-73		117
220	Misregulation of phosphoinositides in Arabidopsis thaliana decreases pollen hydration and maternal fertility. **2011**, 24, 319-26		14
219	Arabidopsis TRAPPII is functionally linked to Rab-A, but not Rab-D in polar protein trafficking in trans-Golgi network. **2011**, 6, 1679-83		25
218	Shrinkage and fragmentation of the trans-Golgi network in non-meristematic plant cells. **2011**, 6, 884-6		11
217	The KEEP ON GOING protein of Arabidopsis regulates intracellular protein trafficking and is degraded during fungal infection. **2012**, 24, 4717-30		64
216	Myosin XIK is a major player in cytoplasm dynamics and is regulated by two amino acids in its tail. **2012**, 63, 241-9		45
215	BEX5/RabA1b regulates trans-Golgi network-to-plasma membrane protein trafficking in Arabidopsis. **2012**, 24, 3074-86		86
214	Eat in or take away? How phosphatidylinositol 4-kinases feed the phospholipase C pathway with substrate. **2012**, 7, 1197-9		6
213	Isolation and proteomic analysis of the SYP61 compartment reveal its role in exocytic trafficking in Arabidopsis. **2012**, 22, 413-24		155
212	Arabidopsis type-III phosphatidylinositol 4-kinases 1 and 2 are upstream of the phospholipase C pathway triggered by cold exposure. **2012**, 53, 565-76		54
211	Mechanisms and concepts paving the way towards a complete transport cycle of plant vacuolar sorting receptors. **2012**, 24, 1714-32		46

210	Trying to make sense of retromer. **2012**, 17, 431-9		43
209	Structure and function of endosomes in plant cells. **2012**, 125, 3511-8		68
208	Wortmannin treatment induces changes in Arabidopsis root proteome and post-Golgi compartments. **2012**, 11, 3127-42		41
207	Distinct and overlapping roles for AP-1 and GGAs revealed by the "knocksideways" system. **2012**, 22, 1711-6		106
206	Phosphoinositide signaling. **2012**, 63, 409-29		103
205	Update on Methods and Techniques to Study Endocytosis in Plants. **2012**, 1-36		1
204	Polarized cell growth in Arabidopsis requires endosomal recycling mediated by GBF1-related ARF exchange factors. **2011**, 14, 80-6		49
203	Membrane traffic and fusion at post-Golgi compartments. *Frontiers in Plant Science*, **2011**, 2, 111	6.2	33
202	Dynamic behavior of clathrin in Arabidopsis thaliana unveiled by live imaging. **2012**, 69, 204-16		92
201	AGD1, a class 1 ARF-GAP, acts in common signaling pathways with phosphoinositide metabolism and the actin cytoskeleton in controlling Arabidopsis root hair polarity. **2012**, 69, 1064-76		46
200	Plant TGNs: dynamics and physiological functions. **2013**, 140, 341-5		27
199	A three-stage model of Golgi structure and function. **2013**, 140, 239-49		58
198	Signal transduction pathways involving phosphatidylinositol 4-phosphate and phosphatidylinositol 4,5-bisphosphate: convergences and divergences among eukaryotic kingdoms. **2013**, 52, 1-14		73
197	3-D analysis of dictyosomes and multivesicular bodies in the green alga Micrasterias denticulata by FIB/SEM tomography. **2013**, 184, 203-11		28
196	Hijack it, change it: how do plant viruses utilize the host secretory pathway for efficient viral replication and spread?. *Frontiers in Plant Science*, **2012**, 3, 308	6.2	31
195	Insights into plant plasma membrane aquaporin trafficking. **2013**, 18, 344-52		71
194	Defective chloroplast development inhibits maintenance of normal levels of abscisic acid in a mutant of the Arabidopsis RH3 DEAD-box protein during early post-germination growth. **2013**, 73, 720-32		39
193	Growth mechanisms in tip-growing plant cells. **2013**, 64, 243-65		134

192	Trans-Golgi network localized ECHIDNA/Ypt interacting protein complex is required for the secretion of cell wall polysaccharides in Arabidopsis. **2013**, 25, 2633-46		95
191	ECHIDNA-mediated post-Golgi trafficking of auxin carriers for differential cell elongation. **2013**, 110, 16259-64		69
190	Cis-Golgi cisternal assembly and biosynthetic activation occur sequentially in plants and algae. *Traffic*, **2013**, 14, 551-67	5.7	64
189	In vivo intracellular pH measurements in tobacco and Arabidopsis reveal an unexpected pH gradient in the endomembrane system. **2013**, 25, 4028-43		119
188	MTV1 and MTV4 encode plant-specific ENTH and ARF GAP proteins that mediate clathrin-dependent trafficking of vacuolar cargo from the trans-Golgi network. **2013**, 25, 2217-35		45
187	Identification of myosin XI receptors in Arabidopsis defines a distinct class of transport vesicles. **2013**, 25, 3022-38		63
186	Rab-A1c GTPase defines a population of the trans-Golgi network that is sensitive to endosidin1 during cytokinesis in Arabidopsis. **2013**, 6, 847-59		33
185	Myosin XIK of Arabidopsis thaliana accumulates at the root hair tip and is required for fast root hair growth. **2013**, 8, e76745		40
184	The Arabidopsis pi4kIII□□ double mutant is salicylic acid-overaccumulating: a new example of salicylic acid influence on plant stature. **2014**, 9, e977210		7
183	Contribution of chitinase A□ C-terminal vacuolar sorting determinant to the study of soluble protein compartmentation. **2014**, 15, 11030-9		12
182	The Arabidopsis Endosomal Sorting Complex Required for Transport III Regulates Internal Vesicle Formation of the Prevacuolar Compartment and Is Required for Plant Development. **2014**, 165, 1328-1343		55
181	Root hairs. **2014**, 12, e0172		113
180	Trans-Golgi network-located AP1 gamma adaptins mediate dileucine motif-directed vacuolar targeting in Arabidopsis. **2014**, 26, 4102-18		56
179	ER and vacuoles: never been closer. *Frontiers in Plant Science*, **2014**, 5, 20	6.2	38
178	Wide-range high-resolution transmission electron microscopy reveals morphological and distributional changes of endomembrane compartments during log to stationary transition of growth phase in tobacco BY-2 cells. **2014**, 55, 1544-55		17
177	Regulation of Cell Wall Formation by Membrane Traffic. **2014**, 35-64		
176	CONTINUOUS VASCULAR RING (COV1) is a trans-Golgi network-localized membrane protein required for Golgi morphology and vacuolar protein sorting. **2014**, 55, 764-72		27
175	Receptor-mediated transport of vacuolar proteins: a critical analysis and a new model. **2014**, 251, 247-64		22

174	Clathrin and post-Golgi trafficking: a very complicated issue. **2014**, 19, 134-9		62
173	Constitutive salicylic acid accumulation in pi4kIII□□ Arabidopsis plants stunts rosette but not root growth. *New Phytologist*, **2014**, 203, 805-16	9.8	44
172	The cell biology of cellulose synthesis. **2014**, 65, 69-94		314
171	Dynamic behavior of the trans-golgi network in root tissues of Arabidopsis revealed by super-resolution live imaging. **2014**, 55, 694-703		67
170	A multi-colour/multi-affinity marker set to visualize phosphoinositide dynamics in Arabidopsis. **2014**, 77, 322-37		159
169	Viral Manipulation of Plant Host Membranes. **2014**, 1, 237-59		55
168	Identification of trans-golgi network proteins in Arabidopsis thaliana root tissue. **2014**, 13, 763-76		49
167	Regulatory roles of phosphoinositides in membrane trafficking and their potential impact on cell-wall synthesis and re-modelling. **2014**, 114, 1049-57		21
166	Modulation of endomembranes morphodynamics in the secretory/retrograde pathways depends on lipid diversity. **2014**, 22, 22-29		20
165	Retention mechanisms for ER and Golgi membrane proteins. **2014**, 19, 508-15		65
164	Vacuolar Sorting Receptor-Mediated Trafficking of Soluble Vacuolar Proteins in Plant Cells. **2014**, 3, 392-408		10
163	C2-O-02 Dimorphic secretory vesicles produced from the Golgi stacks of mucilage secreting root cap cells. **2015**, 64, i65.1-i65		
162	Forty Years of Clathrin-coated Vesicles. *Traffic*, **2015**, 16, 1210-38	5.7	195
161	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	6.2	16
160	How to let go: pectin and plant cell adhesion. *Frontiers in Plant Science*, **2015**, 6, 523	6.2	136
159	Recruitment of PLANT U-BOX13 and the PI4K□/□ phosphatidylinositol-4 kinases by the small GTPase RabA4B plays important roles during salicylic acid-mediated plant defense signaling in Arabidopsis. **2015**, 27, 243-61		59
158	An early secretory pathway mediated by GNOM-LIKE 1 and GNOM is essential for basal polarity establishment in Arabidopsis thaliana. **2015**, 112, E806-15		47
157	Journey to the cell surface--the central role of the trans-Golgi network in plants. **2015**, 252, 385-98		39

156	Phosphatidylinositol 3-kinase and 4-kinase have distinct roles in intracellular trafficking of cellulose synthase complexes in Arabidopsis thaliana. **2015**, 56, 287-98		47
155	The Qb-SNARE Memb11 interacts specifically with Arf1 in the Golgi apparatus of Arabidopsis thaliana. **2015**, 66, 6665-78		12
154	Phosphatidylinositol 4-phosphate negatively regulates chloroplast division in Arabidopsis. **2015**, 27, 663-74		18
153	Specific membrane lipid composition is important for plasmodesmata function in Arabidopsis. **2015**, 27, 1228-50		125
152	Plant phosphoinositides-complex networks controlling growth and adaptation. **2015**, 1851, 759-69		63
151	Is Wortmannin-Induced Reorganization of the trans-Golgi Network the Key to Explain Charasome Formation?. *Frontiers in Plant Science*, **2016**, 7, 756	6.2	15
150	Distribution of RAB5-positive multivesicular endosomes and the -Golgi network in root meristematic cells of. **2016**, 33, 281-286		6
149	A Distinct Pathway for Polar Exocytosis in Plant Cell Wall Formation. **2016**, 172, 1003-1018		31
148	HLB1 Is a Tetratricopeptide Repeat Domain-Containing Protein That Operates at the Intersection of the Exocytic and Endocytic Pathways at the TGN/EE in Arabidopsis. **2016**, 28, 746-69		22
147	Endocytosis and Endosomal Trafficking in Plants. **2016**, 67, 309-35		141
146	Unconventional Protein Secretion in Plants. **2016**, 1459, 47-63		14
145	Physiological Roles of Plant Post-Golgi Transport Pathways in Membrane Trafficking. **2016**, 57, 2013-2019		32
144	Resolving the homology-function relationship through comparative genomics of membrane-trafficking machinery and parasite cell biology. **2016**, 209, 88-103		17
143	Protein trafficking during plant innate immunity. **2016**, 58, 284-98		29
142	STEM Tomography Imaging of Hypertrophied Golgi Stacks in Mucilage-Secreting Cells. **2016**, 1496, 55-62		7
141	Enrichment of hydroxylated C24- and C26-acyl-chain sphingolipids mediates PIN2 apical sorting at trans-Golgi network subdomains. **2016**, 7, 12788		42
140	The Golgi apparatus. **2016**, 61-87		
139	Inhibition of phosphatidylinositol 3,5-bisphosphate production has pleiotropic effects on various membrane trafficking routes in Arabidopsis. **2017**, 58, 120-129		12

138	Gene expression profile indicates involvement of NO in Camellia sinensis pollen tube growth at low temperature. **2016**, 17, 809	22
137	A PtdIns(4)P-driven electrostatic field controls cell membrane identity and signalling in plants. **2016**, 2, 16089	138
136	Mitochondrial endonuclease G mediates breakdown of paternal mitochondria upon fertilization. **2016**, 353, 394-9	107
135	Regulation of polar auxin transport by protein and lipid kinases. **2016**, 67, 4015-4037	82
134	Receptor-mediated sorting of soluble vacuolar proteins: myths, facts, and a new model. **2016**, 67, 4435-49	39
133	ENDOSOMAL RAB EFFECTOR WITH PX-DOMAIN, an Interacting Partner of RAB5 GTPases, Regulates Membrane Trafficking to Protein Storage Vacuoles in Arabidopsis. **2016**, 28, 1490-503	19
132	Composition, Assembly, and Trafficking of a Wheat Xylan Synthase Complex. **2016**, 170, 1999-2023	27
131	Male functions and malfunctions: the impact of phosphoinositides on pollen development and pollen tube growth. **2016**, 29, 3-20	32
130	PI(4)P homeostasis: Who controls the controllers?. **2016**, 60, 105-114	11
129	The plant secretory pathway seen through the lens of the cell wall. **2017**, 254, 75-94	30
128	A Non-Classical Member of the Protein Disulfide Isomerase Family, PDI7 of Arabidopsis thaliana, Localizes to the cis-Golgi and Endoplasmic Reticulum Membranes. **2017**, 58, 1103-1117	6
127	In Vivo Imaging of Diacylglycerol at the Cytoplasmic Leaflet of Plant Membranes. **2017**, 58, 1196-1207	22
126	Conventional and unconventional ubiquitination in plant immunity. **2017**, 18, 1313-1330	53
125	The retromer, sorting nexins and the plant endomembrane protein trafficking. **2018**, 131,	32
124	A brief view of international conference on plant cell wall biology 2017. **2017**, 62, 1357-1358	1
123	Semiautomatic Segmentation of Plant Golgi Stacks in Electron Tomograms Using 3dmod. **2017**, 1662, 97-104	8
122	A distinct class of vesicles derived from the trans-Golgi mediates secretion of xylogalacturonan in the root border cell. **2017**, 92, 596-610	36
121	Precision targeting by phosphoinositides: how PIs direct endomembrane trafficking in plants. **2017**, 40, 22-33	65

120	The trans-Golgi Network and the Golgi Stacks Behave Independently During Regeneration After Brefeldin A Treatment in Tobacco BY-2 Cells. **2017**, 58, 811-821		13
119	Combining high-pressure freezing with pre-embedding immunogold electron microscopy and tomography. *Traffic*, **2018**, 19, 639-649	5.7	9
118	Mass spectrometry approaches to study plant endomembrane trafficking. **2018**, 80, 123-132		6
117	The cell biology of secondary cell wall biosynthesis. **2018**, 121, 1107-1125		101
116	The Plant Trans-Golgi Network: Not Just a Matter of Distinction. **2018**, 176, 187-198		47
115	Identification of transcription factors involved in the phenotype of a domesticated oleaginous microalgae strain of Tisochrysis lutea. **2018**, 30, 59-72		10
114	Large-Scale Electron Tomography of Cells Using SerialEM and IMOD. **2018**, 95-116		4
113	Seeing the endomembrane system for the trees: Evolutionary analysis highlights the importance of plants as models for eukaryotic membrane-trafficking. **2018**, 80, 142-152		12
112	Three-Dimensional Analysis of Chloroplast Structures Associated with Virus Infection. **2018**, 176, 282-294		33
111	Protein secretion in plants: conventional and unconventional pathways and new techniques. **2017**, 69, 21-37		39
110	Golgi-localized LOT regulates -Golgi network biogenesis and pollen tube growth. **2018**, 115, 12307-12312		12
109	Independent yet overlapping pathways ensure the robustness and responsiveness of trans-Golgi network functions in. **2018**, 145,		16
108	Post-Golgi Trafficking and Transport of Cell Wall Components. *Frontiers in Plant Science*, **2018**, 9, 1784	6.2	16
107	Physiological Functions of Phosphoinositide-Modifying Enzymes and Their Interacting Proteins in Arabidopsis. **2019**, 1111, 139-157		
106	A Combinatorial Lipid Code Shapes the Electrostatic Landscape of Plant Endomembranes. **2018**, 45, 465-480.e1-8		78
105	Ionic stress induces fusion of mitochondria to 3-D networks: An electron tomography study. **2018**, 204, 52-63		9
104	Three-Dimensional Architecture and Biogenesis of Membrane Structures Associated with Plant Virus Replication. *Frontiers in Plant Science*, **2018**, 9, 57	6.2	30
103	3D electron tomographic and biochemical analysis of ER, Golgi and Golgi network membrane systems in stimulated Venus flytrap () glandular cells. **2018**, 25, 15		3

102	The AP-1 Complex is Required for Proper Mucilage Formation in Arabidopsis Seeds. **2018**, 59, 2331-2338		8
101	The trans-Golgi sorting and the exocytosis of xylogalacturonan from the root border/border-like cell are conserved among monocot and dicot plant species. **2018**, 13, e1469362		2
100	Interplay between phosphoinositides and actin cytoskeleton in the regulation of immunity related responses in Arabidopsis thaliana seedlings. **2019**, 167, 103867		4
99	PI4KIII Activity Regulates Lateral Root Formation Driven by Endocytic Trafficking to the Vacuole. **2019**, 181, 112-126		5
98	Evolution of the Cell Wall Gene Families of Grasses. *Frontiers in Plant Science*, **2019**, 10, 1205	6.2	12
97	RAB GTPases and their effectors in plant endosomal transport. **2019**, 52, 61-68		19
96	LOT regulates TGN biogenesis and Golgi structure in plants. **2019**, 14, e1573100		0
95	AtTRAPPC11/ROG2: A Role for TRAPPs in Maintenance of the Plant -Golgi Network/Early Endosome Organization and Function. **2019**, 31, 1879-1898		12
94	Electron tomography of plant organelles and the outlook for correlative microscopic approaches. *New Phytologist*, **2019**, 223, 1756-1761	9.8	10
93	Overexpression of trans-Golgi network t-SNAREs rescues vacuolar trafficking and TGN morphology defects in a putative tethering factor mutant. **2019**, 99, 703-716		7
92	The Arabidopsis receptor kinase STRUBBELIG undergoes clathrin-dependent endocytosis. **2019**, 70, 3881-3894		10
91	Glycome and Proteome Components of Golgi Membranes Are Common between Two Angiosperms with Distinct Cell-Wall Structures. **2019**, 31, 1094-1112		23
90	Anionic Lipids: A Pipeline Connecting Key Players of Plant Cell Division. *Frontiers in Plant Science*, **2019**, 10, 419	6.2	7
89	A Hybrid Approach Enabling Large-Scale Glycomic Analysis of Post-Golgi Vesicles Reveals a Transport Route for Polysaccharides. **2019**, 31, 627-644		12
88	Spatiotemporal dissection of the -Golgi network in budding yeast. **2019**, 132,		16
87	Organization of Xylan Production in the Golgi During Secondary Cell Wall Biosynthesis. **2019**, 181, 527-546		11
86	Electron tomography in plant cell biology. **2019**, 68, 69-79		11
85	A Golgi-Released Subpopulation of the Trans-Golgi Network Mediates Protein Secretion in Arabidopsis. **2019**, 179, 519-532		42

84	A dual role for cell plate-associated PI4K□n endocytosis and phragmoplast dynamics during plant somatic cytokinesis. **2019**, 38,		32
83	Bibliography. **2019**, 497-718		1
82	Phospholipids across scales: lipid patterns and plant development. **2020**, 53, 1-9		54
81	Identification of salicylic acid-independent responses in an Arabidopsis phosphatidylinositol 4-kinase beta double mutant. **2020**, 125, 775-784		7
80	Protein trafficking in plant cells: Tools and markers. **2020**, 63, 343-363		14
79	Sec71 separates Golgi stacks in S2 cells. **2020**, 133,		2
78	Sphingolipids in plants: a guidebook on their function in membrane architecture, cellular processes, and environmental or developmental responses. *FEBS Letters*, **2020**, 594, 3719-3738	3.8	6
77	Complex roles of Rabs and SNAREs in the secretory pathway and plant development: a never-ending story. **2020**, 280, 140-157		3
76	PI4K□ Interacts with E3 Ligase MIEL1 to Regulate Auxin Metabolism and Root Development. **2020**, 184, 933-944		2
75	Signalling Pinpointed to the Tip: The Complex Regulatory Network That Allows Pollen Tube Growth. **2020**, 9,		6
74	Differentiation of Trafficking Pathways at Golgi Entry Core Compartments and Post-Golgi Subdomains. *Frontiers in Plant Science*, **2020**, 11, 609516	6.2	6
73	The Beginning of the End: Initial Steps in the Degradation of Plasma Membrane Proteins. *Frontiers in Plant Science*, **2020**, 11, 680	6.2	6
72	Dynamic Construction, Perception, and Remodeling of Plant Cell Walls. **2020**, 71, 39-69		53
71	Spatio-temporal control of post-Golgi exocytic trafficking in plants. **2020**, 133,		16
70	Regulation of the microsomal proteome by salicylic acid and□deficiency of phosphatidylinositol-4-kinases □ and □ in□Arabidopsis thaliana. **2021**, 21, e2000223		2
69	Cargo sorting zones in the trans-Golgi network visualized by super-resolution confocal live imaging microscopy in plants. **2021**, 12, 1901		17
68	Subcellular coordination of plant cell wall synthesis. **2021**, 56, 933-948		11
67	A nanodomain-anchored scaffolding complex is required for the function and localization of phosphatidylinositol 4-kinase alpha in plants. **2021**,		7

66	Sphingolipids mediate polar sorting of PIN2 through phosphoinositide consumption at the trans-Golgi network. **2021**, 12, 4267	4
65	Inhibition of Very Long Chain Fatty Acids Synthesis Mediates PI3P Homeostasis at Endosomal Compartments. **2021**, 22,	0
64	Proteomic Characterization of Isolated Arabidopsis Clathrin-Coated Vesicles Reveals Evolutionarily Conserved and Plant Specific Components.	2
63	A Rich and Bountiful Harvest: Key Discoveries in Plant Cell Biology. **2021**,	2
62	Molecular mechanisms of endomembrane trafficking in plants. **2021**,	4
61	Electron microscopy for imaging organelles in plants and algae.. **2022**, 188, 713-725	2
60	Fifteen compelling open questions in plant cell biology. **2021**,	1
59	Immunopurification of Intact Endosomal Compartments for Lipid Analyses in Arabidopsis. **2020**, 2177, 119-141	2
58	Correlative Light and Electron Microscopy Imaging of the Plant trans-Golgi Network. **2020**, 2177, 59-67	3
57	Immunogold labeling and electron tomography of plant endosomes. **2014**, 1209, 63-80	2
56	Use of Brefeldin A and Wortmannin to Dissect Post-Golgi Organelles Related to Vacuolar Transport in Arabidopsis thaliana. **2018**, 1789, 155-165	3
55	High-pressure freezing and low-temperature processing of plant tissue samples for electron microscopy. **2014**, 1080, 147-57	16
54	Reconstructing plant cells in 3D by serial section electron tomography. **2014**, 1080, 159-70	18
53	High-Pressure Freezing and Freeze Substitution of In Vivo and In Vitro Cultured Plant Samples. **2015**, 117-134	4
52	Pollen Tip Growth: Control of Cellular Morphogenesis Through Intracellular Trafficking. **2017**, 129-148	1
51	Membrane imaging in the plant endomembrane system. **2021**, 185, 562-576	3
50	Anionic phospholipid gradients: an uncharacterized frontier of the plant endomembrane network. **2021**, 185, 577-592	8
49	A nanodomain anchored-scaffolding complex is required for PI4K function and localization in plants.	2

48	Functions of Anionic Lipids in Plants. **2020**, 71, 71-102		39
47	The Small GTPase Superfamily in Plants: A Conserved Regulatory Module with Novel Functions. **2020**, 71, 247-272		15
46	Recycling endosomes attach to the trans-side of Golgi stacks in and mammalian cells. **2020**, 133,		15
45	Arabidopsis choline transporter-like 1 (CTL1) regulates secretory trafficking of auxin transporters to control seedling growth. **2017**, 15, e2004310		19
44	Lipids at the crossroad: Shaping biological membranes heterogeneity defines trafficking pathways. **2018**, 16, e2005188		7
43	Electron Tomography to Study the Three-dimensional Structure of Plasmodesmata in Plant Tissues-from High Pressure Freezing Preparation to Ultrathin Section Collection. **2018**, 8, e2681		4
42	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	6.2	2
41	Evolutionarily unique mechanistic framework of clathrin-mediated endocytosis in plants. **2020**, 9,		43
40	Cell biology of primary cell wall synthesis in plants. **2021**,		5
39	A glossary of plant cell structures: Current insights and future questions. **2021**,		3
38	Phosphatidylinositol (4)-Monophosphate in Plants. **2017**, 1-4		
37	Tissue morphogenesis mediated by the Arabidopsis receptor kinase STRUBBELIG involves a clathrin-dependent process.		
36	The small GTPase Rab11F represents a molecular marker within the secretory pathway required for the nitrogen-fixing symbiosis.		
35	Evolutionary unique mechanistic framework of clathrin-mediated endocytosis in plants.		
34	Sphingolipids mediate polar sorting of PIN2 through phosphoinositide consumption at thetrans-Golgi Network.		
33	Mechanical View on the Endoplasmatic Reticulum and Golgi. **2020**, 191-262		
32	Exocytosis, Endocytosis and Membrane Recycling in Plant Cells. 490-499		1
31	GPI-anchoring is required for the proper transport and glycosylation of arabinogalactan protein precursor.		

30	The role of clathrin in exocytosis and the mutual regulation of endo- and exocytosis in plant cells.		0
29	The functions of phospholipases and their hydrolysis products in plant growth, development and stress responses.. **2022**, 86, 101158		3
28	Proteomic characterization of isolated Arabidopsis clathrin-coated vesicles reveals evolutionarily conserved and plant-specific components.. **2022**,		5
27	Integrative transcriptome and proteome analyses provide deep insights into the molecular mechanism of salt tolerance in Limonium bicolor.. *Plant Molecular Biology*, **2021**, 108, 127	4.6	0
26	Data_Sheet_1.pdf. **2020**,		
25	Data_Sheet_2.pdf. **2020**,		
24	Data_Sheet_3.pdf. **2020**,		
23	Data_Sheet_4.pdf. **2020**,		
22	DataSheet_1.pdf. **2019**,		
21	DataSheet_2.pdf. **2019**,		
20	An Arabidopsis mutant deficient in phosphatidylinositol-4-phosphate kinases 1 and 2 displays altered auxin-related responses in roots.. *Scientific Reports*, **2022**, 12, 6947	4.9	0
19	RAB GTPases and SNAREs at the trans-Golgi network in plants.. *Journal of Plant Research*, **2022**,	2.6	0
18	Phosphatidylinositol 4-phosphate: a key determinant of plasma membrane identity and function in plants.. *New Phytologist*, **2022**,	9.8	2
17	AtFTCD-L, a trans-Golgi network localized protein, modulates root growth of Arabidopsis in high-concentration agar culture medium. *Planta*, **2022**, 256,	4.7	
16	Plant cytokinesis and the construction of new cell wall. *FEBS Letters*,	3.8	1
15	Plant endosomes as protein sorting hubs. *FEBS Letters*,	3.8	2
14	An Update on the Key Factors Required for Plant Golgi Structure Maintenance. *Frontiers in Plant Science*, 13,	6.2	0
13	Phosphatidylinositol-4-phosphate controls autophagosome formation in Arabidopsis thaliana. **2022** , 13,		2

12	The sorting of cargo proteins in the plant trans-Golgi network. 13,	0
11	Trafficking of Xylan to Plant Cell Walls. **2022**, 2, 188-194	0
10	GhRabA4c coordinates cell elongation via regulating actin filament□dependent vesicle transport. **2022**, 5, e202201450	0
9	Localization and circulation: vesicle trafficking in regulating plant nutrient homeostasis.	0
8	Super resolution live imaging: The key for unveiling the true dynamics of membrane traffic around the Golgi apparatus in plant cells. 13,	0
7	Apical vesicles: Social networking at the pollen tube tip. **2022**, 2, 119-124	0
6	Endocytosis-mediated entry of a caterpillar effector into plants is countered by Jasmonate.	0
5	Retrograde transport in plants: Circular economy in the endomembrane system. **2023**, 102, 151309	0
4	Glycome profiling and immunohistochemistry uncover spaceflight-induced changes in non-cellulosic cell wall components inArabidopsis thalianaseedling roots.	0
3	Open questions in plant cell wall synthesis.	0
2	Connecting the plant cytoskeleton to the cell surface via the phosphoinositides. **2023**, 73, 102365	0
1	A non-canonical role of ATG8 in Golgi recovery from heat stress in plants.	0