Alberto Luini

List of Publications by Year
in descending order

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139 papers	10,128 citations	31974 53 h-index	37202 96 g-index
145 all docs	145 docs citations	145 times ranked	8937 citing authors

#	Article	IF	Citations
1	ARF mediates recruitment of PtdIns-4-OH kinase-Î² and stimulates synthesis of PtdIns(4,5)P2 on the Golgi complex. Nature Cell Biology, 1999, 1, 280-287.	10.3	503
2	Mitofusin 2 ablation increases endoplasmic reticulumâ€“mitochondria coupling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2174-81.	7.1	449
3	Exiting the Golgi complex. Nature Reviews Molecular Cell Biology, 2008, 9, 273-284.	37.0	425
4	Procollagen Traverses the Golgi Stack without Leaving the Lumen of Cisternae. Cell, 1998, 95, 993-1003.	28.9	377
5	CtBP/BARS induces fission of Golgi membranes by acylating lysophosphatidic acid. Nature, 1999, 402, 429-433.	27.8	314
6	Correlative Light-Electron Microscopy Reveals the Tubular-Saccular Ultrastructure of Carriers Operating between Golgi Apparatus and Plasma Membrane. Journal of Cell Biology, 2000, 148, 45-58.	5.2	304
7	Secretory traffic triggers the formation of tubular continuities across Golgi sub-compartments. Nature Cell Biology, 2004, 6, 1071-1081.	10.3	283
8	ER-to-Golgi Carriers Arise through Direct En Bloc Protrusion and Multistage Maturation of Specialized ER Exit Domains. Developmental Cell, 2003, 5, 583-594.	7.0	225
9	Small cargo proteins and large aggregates can traverse the Golgi by a common mechanism without leaving the lumen of cisternae. Journal of Cell Biology, 2001, 155, 1225-1238.	5.2	185
10	Dynamin Participates in Focal Extracellular Matrix Degradation by Invasive Cells. Molecular Biology of the Cell, 2003, 14, 1074-1084.	2.1	182
11	Multiple regulatory inputs converge on cortactin to control invadopodia biogenesis and extracellular matrix degradation. Journal of Cell Science, 2008, 121, 369-378.	2.0	181
12	Models for Golgi Traffic: A Critical Assessment. Cold Spring Harbor Perspectives in Biology, 2011, 3, a005215-a005215.	5.5	180
13	Mechanism of Constitutive Export from the Golgi: Bulk Flow via the Formation, Protrusion, and En Bloc Cleavage of large trans-Golgi Network Tubular Domains. Molecular Biology of the Cell, 2003, 14, 4470-4485.	2.1	177
14	The closure of Pak1-dependent macropinosomes requires the phosphorylation of CtBP1/BARS. EMBO Journal, 2008, 27, 970-981.	7.8	177
15	A traffic-activated Golgi-based signalling circuit coordinates the secretory pathway. Nature Cell Biology, 2008, 10, 912-922.	10.3	175
16	CtBP3/BARS drives membrane fission in dynamin-independent transport pathways. Nature Cell Biology, 2005, 7, 570-580.	10.3	162
17	Journeys through the Golgiâ€”taking stock in a new era. Journal of Cell Biology, 2009, 187, 449-453.	5.2	156
18	The GM130 and GRASP65 Golgi proteins cycle through and define a subdomain of the intermediate compartment. Nature Cell Biology, 2001, 3, 1101-1113.	10.3	154

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19	Receptor and protein kinase C-mediated regulation of ARF binding to the Golgi complex. Nature, 1993, 364, 818-821.	27.8	152
20	A role for phosphatidic acid in COPI vesicle fission yields insights into Golgi maintenance. Nature Cell Biology, 2008, 10, 1146-1153.	10.3	147
21	Variations on the Intracellular Transport Theme: Maturing Cisternae and Trafficking Tubules. Journal of Cell Biology, 1997, 138, 481-484.	5.2	144
22	CtBP/BARS: a dual-function protein involved in transcription co-repression and Golgi membrane fission. EMBO Journal, 2003, 22, 3122-3130.	7.8	144
23	Presenilin 2 Modulates Endoplasmic Reticulum-Mitochondria Coupling by Tuning the Antagonistic Effect of Mitofusin 2. Cell Reports, 2016, 15, 2226-2238.	6.4	138
24	ADP ribosylation factor regulates spectrin binding to the Golgi complex. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8607-8612.	7.1	125
25	Mitotic Golgi Partitioning Is Driven by the Membrane-Fissioning Protein CtBP3/BARS. Science, 2004, 305, 93-96.	12.6	120
26	The multiple activities of CtBP/BARS proteins: the Golgi view. Trends in Cell Biology, 2006, 16, 167-173.	7.9	111
27	The Golgi mitotic checkpoint is controlled by BARS-dependent fission of the Golgi ribbon into separate stacks in G2. EMBO Journal, 2007, 26, 2465-2476.	7.8	111
28	COPI acts in both vesicular and tubular transport. Nature Cell Biology, 2011, 13, 996-1003.	10.3	108
29	Phosphatidic acid in membrane rearrangements. FEBS Letters, 2019, 593, 2428-2451.	2.8	108
30	The KDEL receptor couples to GÎ±_{q/11}to activate Src kinases and regulate transport through the Golgi. EMBO Journal, 2012, 31, 2869-2881.	7.8	105
31	Mendelian Disorders of Membrane Trafficking. New England Journal of Medicine, 2011, 365, 927-938.	27.0	100
32	Control Systems of Membrane Transport at the Interface between the Endoplasmic Reticulum and the Golgi. Developmental Cell, 2014, 30, 280-294.	7.0	100
33	A role for BARS at the fission step of COPI vesicle formation from Golgi membrane. EMBO Journal, 2005, 24, 4133-4143.	7.8	93
34	Molecular Cloning and Functional Characterization of Brefeldin A-ADP-ribosylated Substrate. Journal of Biological Chemistry, 1999, 274, 17705-17710.	3.4	92
35	Src kinase regulates the integrity and function of the Golgi apparatus via activation of dynamin 2. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5863-5868.	7.1	92
36	Golgi Enzymes Are Enriched in Perforated Zones of Golgi Cisternae but Are Depleted in COPI Vesicles. Molecular Biology of the Cell, 2004, 15, 4710-4724.	2.1	90

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37	Prefission Constriction of Golgi Tubular Carriers Driven by Local Lipid Metabolism: A Theoretical Model. Biophysical Journal, 2003, 85, 3813-3827.	0.5	88
38	Targeting autophagy as a novel strategy for facilitating the therapeutic action of potentiators on Î”F508 cystic fibrosis transmembrane conductance regulator. Autophagy, 2012, 8, 1657-1672.	9.1	88
39	Passage through the Golgi. Current Opinion in Cell Biology, 2010, 22, 471-478.	5.4	84
40	Glucocorticoid stabilization of actin filaments: a possible mechanism for inhibition of corticotropin release.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3775-3779.	7.1	82
41	Group IV Phospholipase A2Î± Controls the Formation of Inter-Cisternal Continuities Involved in Intra-Golgi Transport. PLoS Biology, 2009, 7, e1000194.	5.6	81
42	Actin dynamics at sites of extracellular matrix degradation. European Journal of Cell Biology, 2006, 85, 1217-1231.	3.6	80
43	A 14-3-3Î³ dimer-based scaffold bridges CtBP1-S/BARS to PI(4)KIIIÎ² to regulate post-Golgi carrier formation. Nature Cell Biology, 2012, 14, 343-354.	10.3	79
44	Sphingolipid metabolic flow controls phosphoinositide turnover at the trans â€Golgi network. EMBO Journal, 2017, 36, 1736-1754.	7.8	79
45	Analogs of the Golgi complex in microsporidia: structure and avesicular mechanisms of function. Journal of Cell Science, 2007, 120, 1288-1298.	2.0	77
46	Transport of soluble proteins through the Golgi occurs by diffusion via continuities across cisternae. ELife, 2014, 3, .	6.0	74
47	Key components of the fission machinery are interchangeable. Nature Cell Biology, 2006, 8, 1376-1382.	10.3	70
48	Evidence That Receptor-Linked G Protein Inhibits Exocytosis by a Post-Second-Messenger Mechanism in AtT-20 Cells. Journal of Neurochemistry, 1990, 54, 30-38.	3.9	69
49	The dynamics of engineered resident proteins in the mammalian Golgi complex relies on cisternal maturation. Journal of Cell Biology, 2013, 201, 1027-1036.	5.2	68
50	Norepinephrine and Thyrotropin Stimulation of Iodide Efflux in FRTL-5 Thyroid Cells Involves Metabolites of Arachidonic Acid and Is Associated with the Iodination of Thyroglobulin*. Endocrinology, 1987, 120, 1127-1133.	2.8	65
51	Auto-regulation of Secretory Flux by Sensing and Responding to the Folded Cargo Protein Load in the Endoplasmic Reticulum. Cell, 2019, 176, 1461-1476.e23.	28.9	65
52	Regulation of Constitutive Exocytic Transport by Membrane Receptors. Journal of Biological Chemistry, 1996, 271, 3523-3533.	3.4	64
53	Golgi membrane fission requires the CtBP1-S/BARS-induced activation of lysophosphatidic acid acyltransferase Î´. Nature Communications, 2016, 7, 12148.	12.8	63
54	Visualizing membrane traffic in vivo by combined video fluorescence and 3D electron microscopy. Trends in Cell Biology, 2000, 10, 349-353.	7.9	60

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55	Regulation of cargo export and sorting at the transâ€Golgi network. FEBS Letters, 2019, 593, 2306-2318.	2.8	59
56	Morphogenesis of post-Golgi transport carriers. Histochemistry and Cell Biology, 2008, 129, 153-161.	1.7	57
57	Glycosphingolipid metabolic reprogramming drives neural differentiation. EMBO Journal, 2018, 37, .	7.8	56
58	Intracellular processing and activation of membrane type 1 matrix metalloprotease depends on its partitioning into lipid domains. Journal of Cell Science, 2004, 117, 6275-6287.	2.0	53
59	Faciogenital Dysplasia Protein (FGD1) Regulates Export of Cargo Proteins from the Golgi Complex via Cdc42 Activation. Molecular Biology of the Cell, 2009, 20, 2413-2427.	2.1	52
60	Role of NAD+ and ADP-Ribosylation in the Maintenance of the Golgi Structure. Journal of Cell Biology, 1997, 139, 1109-1118.	5.2	50
61	Morphological changes in the Golgi complex correlate with actin cytoskeleton rearrangements. Cytoskeleton, 1999, 43, 334-348.	4.4	50
62	On the role of Mitofusin 2 in endoplasmic reticulumâ€“mitochondria tethering. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2266-E2267.	7.1	50
63	Protein Amphipathic Helix Insertion: A Mechanism to Induce Membrane Fission. Frontiers in Cell and Developmental Biology, 2019, 7, 291.	3.7	50
64	Molecular aspects of membrane fission in the secretory pathway. Cellular and Molecular Life Sciences, 2002, 59, 1819-1832.	5.4	49
65	Essential role of caldesmon in the actin filament reorganization induced by glucocorticoids.. Journal of Cell Biology, 1995, 131, 1223-1230.	5.2	45
66	A synthetic model of intraâ€Golgi traffic. FASEB Journal, 1998, 12, 249-252.	0.5	45
67	Acylpeptide Hydrolase Inhibition as Targeted Strategy to Induce Proteasomal Down-Regulation. PLoS ONE, 2011, 6, e25888.	2.5	45
68	Golgi maturationâ€dependent glycoenzyme recycling controls glycosphingolipid biosynthesis and cell growth via GOLPH3. EMBO Journal, 2021, 40, e107238.	7.8	45
69	Forskolin Enhances Basal and Potassium-Evoked Hormone Release from Normal and Malignant Pituitary Tissue: The Role of Calcium. Endocrinology, 1986, 118, 268-279.	2.8	44
70	The C-terminal domain of the transcriptional corepressor CtBP is intrinsically unstructured. Protein Science, 2006, 15, 1042-1050.	7.6	44
71	Signaling Circuits on the <scp>G</scp>olgi Complex. Traffic, 2013, 14, 121-134.	2.7	44
72	Dicumarol, an inhibitor of ADP-ribosylation of CtBP3/BARS, fragments Golgi non-compact tubular zones and inhibits intra-Golgi transport. European Journal of Cell Biology, 2004, 83, 263-279.	3.6	43

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73	Large pleiomorphic traffic intermediates in the secretory pathway. Current Opinion in Cell Biology, 2005, 17, 353-361.	5.4	43
74	Correlation of 4Pi and Electron Microscopy to Study Transport Through Single Golgi Stacks in Living Cells with Super Resolution. Traffic, 2009, 10, 379-391.	2.7	43
75	GOLPH3 and oncogenesis: What is the molecular link?. Tissue and Cell, 2017, 49, 170-174.	2.2	43
76	Identification of p38 MAPK and JNK as new targets for correction of Wilson diseaseâ€causing ATP7B mutants. Hepatology, 2016, 63, 1842-1859.	7.3	42
77	Components of the CtBP1/BARS-dependent fission machinery. Histochemistry and Cell Biology, 2013, 140, 407-421.	1.7	38
78	Signaling at the Golgi: sensing and controlling the membrane fluxes. Current Opinion in Cell Biology, 2016, 39, 37-42.	5.4	38
79	Characterization of Chemical Inhibitors of Brefeldin A-activated Mono-ADP-ribosylation. Journal of Biological Chemistry, 1997, 272, 14200-14207.	3.4	37
80	Molecular mechanism and functional role of brefeldin A-mediated ADP-ribosylation of CtBP1/BARS. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9794-9799.	7.1	37
81	ARFGAP1 promotes AP-2-dependent endocytosis. Nature Cell Biology, 2011, 13, 559-567.	10.3	36
82	Regulation of Golgi signaling and trafficking by the KDEL receptor. Histochemistry and Cell Biology, 2013, 140, 395-405.	1.7	36
83	KDEL receptor regulates secretion by lysosome relocation- and autophagy-dependent modulation of lipid-droplet turnover. Nature Communications, 2019, 10, 735.	12.8	36
84	The transglutaminase hypothesis for the action of tetanus toxin. Trends in Biochemical Sciences, 1993, 18, 327-329.	7.5	35
85	The physiology of membrane transport and endomembrane-based signalling. EMBO Journal, 2006, 25, 2663-2673.	7.8	34
86	Coordination of the secretory compartments via inter-organelle signalling. Seminars in Cell and Developmental Biology, 2009, 20, 801-809.	5.0	34
87	Ouabain Mimics Low Temperature Rescue of F508del-CFTR in Cystic Fibrosis Epithelial Cells. Frontiers in Pharmacology, 2012, 3, 176.	3.5	34
88	A Golgi-based KDELR-dependent signalling pathway controls extracellular matrix degradation. Oncotarget, 2015, 6, 3375-3393.	1.8	30
89	Receptor-mediated regulation of constitutive secretion. Trends in Cell Biology, 1993, 3, 290-292.	7.9	28
90	Dual regulation of ACTH secretion by guanine nucleotides in permeabilized AtT-20 cells. Cellular and Molecular Neurobiology, 1988, 8, 129-138.	3.3	27

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91	Cytosolic phospholipase A2Îµ drives recycling in the clathrin-independent endocytic route. Journal of Cell Science, 2014, 127, 977-93.	2.0	26
92	GRASP55 regulates intraâ€Golgi localization of glycosylation enzymes to control glycosphingolipid biosynthesis. EMBO Journal, 2021, 40, e107766.	7.8	26
93	Unravelling druggable signalling networks that control F508del-CFTR proteostasis. ELife, 2015, 4, .	6.0	22
94	Glycerophosphoinositols inhibit the ability of tumour cells to invade the extracellular matrix. European Journal of Cancer, 2005, 41, 470-476.	2.8	21
95	CtBP1/BARS Gly172 â†' Glu mutant structure: Impairing NAD(H)-binding and dimerization. Biochemical and Biophysical Research Communications, 2009, 381, 70-74.	2.1	21
96	Visualizing Live Dynamics and Ultrastructure of Intracellular Organelles with Preembedding Correlative Light-Electron Microscopy. Methods in Cell Biology, 2012, 111, 21-35.	1.1	21
97	The Structure and Function of Acylglycerophosphate Acyltransferase 4/ Lysophosphatidic Acid Acyltransferase Delta (AGPAT4/LPAATÎ´). Frontiers in Cell and Developmental Biology, 2019, 7, 147.	3.7	21
98	Constitutive transport between thetrans-Golgi network and the plasma membrane according to the maturation model. A hypothesis. FEBS Letters, 1998, 440, 99-102.	2.8	20
99	Purification and Functional Properties of the Membrane Fissioning Protein CtBP3/BARS. Methods in Enzymology, 2005, 404, 296-316.	1.0	20
100	Extending FoÌˆrster resonance energy transfer measurements beyond 100 AÌŠ using common organic fluorophores: enhanced transfer in the presence of multiple acceptors. Journal of Biomedical Optics, 2012, 17, 011006.	2.6	20
101	Constitutive alterations in vesicular trafficking increase the sensitivity of cells from celiac disease patients to gliadin. Communications Biology, 2019, 2, 190.	4.4	20
102	Trans-Membrane Area Asymmetry Controls the Shape of Cellular Organelles. International Journal of Molecular Sciences, 2015, 16, 5299-5333.	4.1	19
103	Correlative Lightâ€“Electron Microscopy as a Tool to Study In Vivo Dynamics and Ultrastructure of Intracellular Structures. Methods in Molecular Biology, 2012, 931, 413-422.	0.9	18
104	Endomembrane-Based Signaling by GPCRs and G-Proteins. Cells, 2022, 11, 528.	4.1	18
105	A brief history of the cisternal progressionâ€“maturation model. Cellular Logistics, 2011, 1, 6-11.	0.9	17
106	Control systems and coordination protocols of the secretory pathway. F1000prime Reports, 2014, 6, 88.	5.9	17
107	Role of ARF6, Rab11 and External Hsp90 in the Trafficking and Recycling of Recombinant-Soluble Neisseria meningitidis Adhesin A (rNadA) in Human Epithelial Cells. PLoS ONE, 2014, 9, e110047.	2.5	16
108	PKD-dependent PARP12-catalyzed mono-ADP-ribosylation of Golgin-97 is required for E-cadherin transport from Golgi to plasma membrane. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	16

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109	Transglutaminase participates in the blockade of neurotransmitter release by tetanus toxin: evidence for a novel biological function. Amino Acids, 2010, 39, 257-269.	2.7	13
110	Cep126 is required for pericentriolar satellite localisation to the centrosome and for primary cilium formation. Biology of the Cell, 2014, 106, 254-267.	2.0	13
111	Prohibitin: A Novel Molecular Player in KDEL Receptor Signalling. BioMed Research International, 2015, 2015, 1-13.	1.9	13
112	Visualizing Intracellular Events In Vivo by Combined Video Fluorescence and 3â€Ð Electron Microscopy. Methods in Enzymology, 2005, 404, 43-57.	1.0	12
113	The KDEL receptor signalling cascade targets focal adhesion kinase on focal adhesions and invadopodia. Oncotarget, 2018, 9, 10228-10246.	1.8	12
114	Divergent in vitro/in vivo responses to drug treatments of highly aggressive NIH-Ras cancer cells: a PET imaging and metabolomics-mass-spectrometry study. Oncotarget, 2016, 7, 52017-52031.	1.8	11
115	Adenosine receptors in rat basophilic leukaemia cells: transductional mechanisms and effects on 5â€hydroxytryptamine release. British Journal of Pharmacology, 1992, 105, 405-411.	5.4	10
116	Crystallization and preliminary X-ray diffraction analysis of brefeldin A-ADP ribosylated substrate (BARS). Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1068-1070.	2.5	10
117	PDMP blocks the BFA-induced ADP-ribosylation of BARS-50 in isolated Golgi membranes. FEBS Letters, 1999, 459, 310-312.	2.8	8
118	Evolution of the Endoplasmic Reticulum and the Golgi Complex. Advances in Experimental Medicine and Biology, 2007, 607, 61-72.	1.6	8
119	Correlative video-lightâ€“electron microscopy: development, impact and perspectives. Histochemistry and Cell Biology, 2014, 142, 133-138.	1.7	8
120	Brefeldin A-Induced ADP-Ribosylation in the Structure and Function of the Golgi Complex. Advances in Experimental Medicine and Biology, 1997, 419, 331-335.	1.6	8
121	Functional dissociation between glucocorticoid-induced decrease in arachidonic acid release and inhibition of adrenocorticotropic hormone secretion in AtT-20 corticotrophs. Journal of Steroid Biochemistry and Molecular Biology, 1997, 60, 51-57.	2.5	7
122	Cyclosporin A, but not FK506, increases arachidonic acid release and inhibits proliferation of pituitary corticotrope tumor cells. Life Sciences, 1999, 64, 837-846.	4.3	7
123	Rare ER protein misfolding-mistrafficking disorders: Therapeutic developments. Tissue and Cell, 2017, 49, 175-185.	2.2	7
124	Evidence That Transglutaminase and Synapsin I Are Involved in the Neuroparalytic Action of Tetanus Toxin. Annals of the New York Academy of Sciences, 1994, 710, 107-119.	3.8	6
125	Characterization of the Endogenous Mono-ADP-Ribosylation Stimulated by Brefeldin A. Advances in Experimental Medicine and Biology, 1997, 419, 337-342.	1.6	6
126	Neutrophil extracted lipocortin inhibits corticotropin secretion in the AtT-20 D16:16 clonal mouse pituitary cell line. Regulatory Peptides, 1997, 72, 169-177.	1.9	5

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127	Role of brefeldin A-dependent ADP-ribosylation in the control of intracellular membrane transport. Molecular and Cellular Biochemistry, 1999, 193, 43-51.	3.1	5
128	Morphological and biochemical analysis of the secretory pathway in melanoma cells with distinct metastatic potential. FEBS Letters, 1999, 451, 315-320.	2.8	5
129	Endogenous and Exogenous Regulatory Signaling in the Secretory Pathway: Role of Golgi Signaling Molecules in Cancer. Frontiers in Cell and Developmental Biology, 2022, 10, 833663.	3.7	5
130	KDEL Receptors: Pathophysiological Functions, Therapeutic Options, and Biotechnological Opportunities. Biomedicines, 2022, 10, 1234.	3.2	5
131	Modulatory Role of GTP-Binding Proteins in the Endogenous ADP-Ribosylation of Cytosolic Proteins. Advances in Experimental Medicine and Biology, 1997, 419, 343-347.	1.6	4
132	Possible Role of BARS-50, A Substrate of Brefeldin A-Dependent Mono-ADP-Ribosylation, in Intracellular Transport. Advances in Experimental Medicine and Biology, 1997, 419, 321-330.	1.6	3
133	Golgi-Dependent Signaling. Methods in Cell Biology, 2013, 118, 359-382.	1.1	2
134	BARS Influences Neuronal Development by Regulation of Post-Golgi Trafficking. Cells, 2022, 11, 1320.	4.1	2
135	The Golgi complex. FEBS Letters, 2009, 583, 3731-3731.	2.8	1
136	Response from Facchiano, Innamorati and Luini. Trends in Microbiology, 1994, 2, 70-71.	7.7	0
137	Reversible Controlled Aggregation of Golgi Resident Enzymes to Assess Their Transport/Dynamics Along the Secretory Pathway. Methods in Molecular Biology, 2016, 1496, 163-172.	0.9	0
138	Role of brefeldin A-dependent ADP-ribosylation in the control of intracellular membrane transport. , 1999, , 43-51.		0
139	Golgi-to-PM transport. , 2008, , 375-387.		0