Tomohiko Taguchi

List of Publications by Year
in descending order

78	4,137	136885	123376
papers	citations	32 h-index	61 g-index

86	86	86	5489
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Activation of STING requires palmitoylation at the Golgi. Nature Communications, 2016, 7, 11932.	5.8	436
2	Recycling endosomes can serve as intermediates during transport from the Golgi to the plasma membrane of MDCK cells. Journal of Cell Biology, 2004, 167, 531-543.	2.3	404
3	Modulation of the bilayer thickness of exocytic pathway membranes by membrane proteins rather than cholesterol. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4083-4088.	3.3	383
4	Intracellular phosphatidylserine is essential for retrograde membrane traffic through endosomes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15846-15851.	3.3	163
5	Nitro-fatty acids are formed in response to virus infection and are potent inhibitors of STING palmitoylation and signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7768-E7775.	3.3	150
6	Partitioning of the Matrix Fraction of the Golgi Apparatus During Mitosis in Animal Cells. Science, 2002, 295, 848-851.	6.0	123
7	Small GTPases and phosphoinositides in the regulatory mechanisms of macropinosome formation and maturation. Frontiers in Physiology, 2014, 5, 374.	1.3	116
8	Development of a Series of Practical Fluorescent Chemical Tools To Measure pH Values in Living Samples. Journal of the American Chemical Society, 2018, 140, 5925-5933.	6.6	115
9	Transport through recycling endosomes requiresÂ <scp>EHD</scp> 1 recruitment by a phosphatidylserineÂtranslocase. EMBO Journal, 2015, 34, 669-688.	3.5	113
10	Fucosylation of N-Glycans Regulates the Secretion of Hepatic Glycoproteins into Bile Ducts. Journal of Biological Chemistry, 2006, 281, 29797-29806.	1.6	110
11	A defect in COPI-mediated transport of STING causes immune dysregulation in COPA syndrome. Journal of Experimental Medicine, 2020, 217, .	4.2	110
12	Sequential breakdown of 3-phosphorylated phosphoinositides is essential for the completion of macropinocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E978-87.	3.3	89
13	The Recycling Endosome Protein Rab17 Regulates Melanocytic Filopodia Formation and Melanosome Trafficking. Traffic, 2011, 12, 627-643.	1.3	83
14	Palmitoylated Ras proteins traffic through recycling endosomes to the plasma membrane during exocytosis. Journal of Cell Biology, 2010, 191, 23-29.	2.3	81
15	Homeostatic regulation of STING by retrograde membrane traffic to the ER. Nature Communications, 2021, 12, 61.	5.8	80
16	Innate immunity signalling and membrane trafficking. Current Opinion in Cell Biology, 2019, 59, 1-7.	2.6	77
17	Visualization of the heterogeneous membrane distribution of sphingomyelin associated with cytokinesis, cell polarity, and sphingolipidosis. FASEB Journal, 2015, 29, 477-493.	0.2	76
18	Lipid compartmentalization in the endosome system. Seminars in Cell and Developmental Biology, 2014, 31, 48-56.	2.3	72

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19	Membrane-anchored growth factor, HB-EGF, on the cell surface targeted to the inner nuclear membrane. Journal of Cell Biology, 2008, 180, 763-769.	2.3	70
20	The binding of TBK1 to STING requires exocytic membrane traffic from the ER. Biochemical and Biophysical Research Communications, 2018, 503, 138-145.	1.0	66
21	Emerging roles of recycling endosomes. Journal of Biochemistry, 2013, 153, 505-510.	0.9	63
22	Predominant localization of phosphatidylserine at the cytoplasmic leaflet of the ER, and its TMEM16K-dependent redistribution. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13368-13373.	3.3	63
23	Phosphoinositide 3-kinase Î´ regulates membrane fission of Golgi carriers for selective cytokine secretion. Journal of Cell Biology, 2010, 190, 1053-1065.	2.3	60
24	Retromer Guides <scp>STxB</scp> and <scp>CD8â€M6PR</scp> from Early toÂRecycling Endosomes, <scp>EHD1</scp> Guides <scp>STxB</scp> fromÂRecycling Endosome to Golgi. Traffic, 2012, 13, 1140-1159.	1.3	60
25	STING palmitoylation as a therapeutic target. Cellular and Molecular Immunology, 2019, 16, 236-241.	4.8	57
26	Human RME-8 Is Involved in Membrane Trafficking through Early Endosomes. Cell Structure and Function, 2008, 33, 35-50.	0.5	50
27	Subcellular localization of sphingomyelin revealed by two toxinâ€based probes in mammalian cells. Genes To Cells, 2012, 17, 720-727.	0.5	40
28	Impaired retrograde membrane traffic through endosomes in a mutant <scp>CHO</scp> cell defective in phosphatidylserine synthesis. Genes To Cells, 2012, 17, 728-736.	0.5	39
29	Rap2 function requires palmitoylation and recycling endosome localization. Biochemical and Biophysical Research Communications, 2009, 378, 732-737.	1.0	38
30	Transport of cholera toxin B-subunit from recycling endosomes to the Golgi requires clathrin and AP-1. Journal of Cell Science, 2015, 128, 3131-42.	1.2	38
31	Cullinâ€3/KCTD10 E3 complex is essential for Rac1 activation through RhoB degradation in human epidermal growth factor receptor 2â€positive breast cancer cells. Cancer Science, 2019, 110, 650-661.	1.7	37
32	STING Operation at the ER/Golgi Interface. Frontiers in Immunology, 2021, 12, 646304.	2.2	37
33	Endosomal phosphatidylserine is critical for the YAP signalling pathway in proliferating cells. Nature Communications, 2017, 8, 1246.	5.8	36
34	Spatial segregation of degradation- and recycling-trafficking pathways in COS-1 cells. Biochemical and Biophysical Research Communications, 2007, 360, 580-585.	1.0	35
35	Occurrence and Structural Analysis of Highly Sulfated Multiantennary N-linked Glycan Chains Derived from a Fertilization-Associated Carbohydrate-Rich Glycoprotein in Unfertilized Eggs of Tribolodon hakonensis. FEBS Journal, 1996, 238, 357-367.	0.2	33
36	PI4P/PS countertransport by ORP10 at ERâ€“endosome membrane contact sites regulates endosome fission. Journal of Cell Biology, 2022, 221, .	2.3	33

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37	Ag/FeCo/Ag Core/Shell/Shell Magnetic Nanoparticles with Plasmonic Imaging Capability. Langmuir, 2015, 31, 2228-2236.	1.6	31
38	SLC15A4 mediates M1-prone metabolic shifts in macrophages and guards immune cells from metabolic stress. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	29
39	Purification and Characterization of UDP-GlcNAc: GlcNAcÎ²1â€“6(GlcNAcÎ²1â€“2)ManÎ±1-R [GlcNAc to Man]-Î²1, 4-N-acetylglucosaminyltransferase VI from Hen Oviduct. Journal of Biological Chemistry, 2000, 275, 32598-32602.	1.6	25
40	Identification and Structural Determination of the KDN-Containing N-Linked Glycan Chains Consisting of Bi- and Triantennary Complex-Type Units of KDN-Glycoprotein Previously Isolated from Rainbow Trout Vitelline Envelopes. Biochemistry, 1994, 33, 6495-6502.	1.2	24
41	Cullin-3 and its adaptor protein ANKFY1 determine the surface level of integrin Î²1 in endothelial cells. Biology Open, 2017, 6, 1707-1719.	0.6	23
42	SNX9 determines the surface levels of integrin Î²1 in vascular endothelial cells: Implication in poor prognosis of human colorectal cancers overexpressing SNX9. Journal of Cellular Physiology, 2019, 234, 17280-17294.	2.0	23
43	A precise structural analysis of a fertilization-associated carbohydrate-rich glycopeptide isolated from the fertilized eggs of euryhaline killi fish (Fundulus heteroclitus). Novel penta-antennary N-glycan chains with a bisecting N-acetylglucosaminyl residue. Glycobiology, 1995, 5, 611-624.	1.3	21
44	Occurrence of terminal Î±2 â†'8-linked disialylated poly-N-acetyllactosamine chains with Lex and I antigenic glycotopes in tetraantennary arms of an N-linked glycoprotein isolated from rainbow trout ovarian fluid. Glycobiology, 1997, 7, 195-205.	1.3	21
45	Molecular Cloning and Expression of cDNA Encoding Chicken UDP-N-acetyl-d-glucosamine (GlcNAc): GlcNAcÎ²1â€“6(GlcNAcÎ²1â€“2)- ManÎ±1-R[GlcNAc to Man]Î²1,4N-acetylglucosaminyltransferase VI. Journal of Biological Chemistry, 2000, 275, 36029-36034.	1.6	21
46	Passage through the Golgi is necessary for Shiga toxin Bâ€ƒsubunit to reach the endoplasmic reticulum. FEBS Journal, 2009, 276, 1581-1595.	2.2	21
47	Oxysterol-binding protein (OSBP) is required for the perinuclear localization of intra-Golgi v-SNAREs. Molecular Biology of the Cell, 2013, 24, 3534-3544.	0.9	21
48	Biochemical Subâ€Fractionation of the Mammalian Golgi Apparatus. Traffic, 2003, 4, 344-352.	1.3	19
49	Trapping of CDC42 C-terminal variants in the Golgi drives pyrin inflammasome hyperactivation. Journal of Experimental Medicine, 2022, 219, .	4.2	18
50	Purification of Rat Liver Golgi Stacks. , 2006, , 33-39.		15
51	Structural basis of the strict phospholipid binding specificity of the pleckstrin homology domain of human evectin-2. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 117-123.	2.5	15
52	A cell-free assay implicates a role of sphingomyelin and cholesterol in STING phosphorylation. Scientific Reports, 2021, 11, 11996.	1.6	14
53	A Method for Determination of UDP-GlcNAc:GlcNAcÎ²1-6(GlcNAcÎ²1-2)ManÎ±1-R [GlcNAc to Man]Î²1-4N-acetylglucosaminyltransferase VI Activity Using a Pyridylaminated Tetraantennary Oligosaccharide as an Acceptor Substrate. Analytical Biochemistry, 1998, 255, 155-157.	1.1	13
54	Quick and Mild Isolation of Intact Lysosomes Using Magneticâ€“Plasmonic Hybrid Nanoparticles. ACS Nano, 2022, 16, 885-896.	7.3	13

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55	Activity of UDP-GlcNAc:GlcNAcÎ²1â†'6(GlcNAcÎ²1â†'2) ManÎ±1â†'R[GlcNAc to Man]Î²1â†'4N- Acetylglucosaminyltransferase VI (GnT VI) from the Ovaries ofOryzias latipes(Medaka Fish). Biochemical and Biophysical Research Communications, 1997, 230, 533-536.	1.0	12
56	Palmitoylation pilots Ras to recycling endosomes. Small GTPases, 2011, 2, 82-84.	0.7	12
57	Proton NMR Study of the Trimannosyl Unit in a Pentaantennary N-Linked Decasaccharide Structure. Complete Assignment of the Proton Resonances and Conformational Characterization. FEBS Journal, 1995, 228, 822-829.	0.2	12
58	Specific association of TBK1 with the trans-Golgi network following STING stimulation. Cell Structure and Function, 2022, 47, 19-30.	0.5	12
59	SPOP is essential for DNAâ€"protein cross-link repair in prostate cancer cells: SPOP-dependent removal of topoisomerase 2A from the topoisomerase 2A-DNA cleavage complex. Molecular Biology of the Cell, 2020, 31, 478-490.	0.9	11
60	SMAP2 Regulates Retrograde Transport from Recycling Endosomes to the Golgi. PLoS ONE, 2013, 8, e69145.	1.1	9
61	A Role of Phosphatidylserine in the Function of Recycling Endosomes. Frontiers in Cell and Developmental Biology, 2021, 9, 783857.	1.8	9
62	Purification and cDNA cloning of UDP-GlcNAc:GlcNAcbeta1-3Galbeta1-4Glc(NAc)-R [GlcNAc to Gal]beta1,6N-acetylglucosaminyltransferase from rat small intestine: a major carrier of dIGnT activity in rat small intestine. Glycobiology, 2003, 13, 387-400.	1.3	7
63	Phosphatidic acid induces EHD3-containing membrane tubulation and is required for receptor recycling. Experimental Cell Research, 2016, 342, 1-10.	1.2	7
64	A specific detection of GlcNAcÎ²1-6ManÎ±1 branches in N-linked glycoproteins based on the specificity of N-acetylglucosaminyltransferase VI. Glycobiology, 2006, 16, 431-439.	1.3	6
65	The cytoplasmic tail of heparinâ€binding EGFâ€like growth factor regulates bidirectional intracellular trafficking between the plasma membrane and ER. FEBS Open Bio, 2012, 2, 339-344.	1.0	6
66	Magnetic Separation of Autophagosomes from Mammalian Cells Using Magneticâ€"Plasmonic Hybrid Nanobeads. ACS Omega, 2017, 2, 4929-4937.	1.6	6
67	Proton NMR study of triantennary complex type N-linked glycan chains: assignment of proton chemical shifts of the Î²-Man residue in a basic unit of the triantennary glycan chain having a GlcNAcÎ²1â†'6ManÎ±1â†'6ManÎ²â†'sequence. Glycobiology, 1997, 7, 31-36.	1.3	5
68	Complete assignments of 13C NMR resonances to all the carbon atoms of the trimannosido-di-N-acetylchitobiosyl structure in a pentaantennary decasaccharide glycopeptide. Carbohydrate Research, 1995, 275, 185-191.	1.1	3
69	Endosomal lipid flippases and their related diseases. Channels, 2015, 9, 166-168.	1.5	1
70	FAM48A mediates compensatory autophagy induced by proteasome impairment. Genes To Cells, 2019, 24, 559-568.	0.5	1
71	A Method for Determination of UDP-GlcNAc: GlcNAcÎ²1-6(GlcNAcÎ²1-2)ManÎ±1-R [GlcNAc to Man] Î²1-4N-Acetylglucosaminyltransferase VI Activity. Methods in Molecular Biology, 2013, 1022, 299-305.	0.4	1
72	Mannosyl (Alpha-1,3[6?]-)-Glycoprotein Beta-1,4-N-Acetylglucosaminyltransferase, Isozyme C (Putative) (MGAT4C). , 2014, , 257-263.		1

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73	S9.14 Precise structural determination of unique highly branched multiantennaryN-glycan units present in fish egg hyosophorin. Glycoconjugate Journal, 1993, 10, 280-280.	1.4	0
74	S18.6 Identification and structural determination of the KDN-containing N-linked complex-type glycan chains in a rainbow trout vitelline envelope glycoprotein. The first demonstration of the presence of N-linked KDN-glycan units. Glycoconjugate Journal, 1993, 10, 328-328.	1.4	0
75	Structural Insights into the Phospholipid Binding Specificity of Human Evectin-2. Nihon Kessho Gakkaishi, 2012, 54, 101-106.	0.0	0
76	Retrograde Membrane Traffic and Recycling Endosome. , 2014, , 1-6.		0
77	Retrograde Membrane Traffic and Recycling Endosome. , 2015, , 943-948.		0
78	Rab23. , 2018, , 4362-4367.		0