Tomohiko Taguchi

List of Publications by Year
in descending order

78 papers	4,137 citations	136885 32 h-index	123376 61 g-index
86 all docs	86 docs citations	86 times ranked	5489 citing authors

#	Article	IF	Citations
1	PI4P/PS countertransport by ORP10 at ERâ€"endosome membrane contact sites regulates endosome fission. Journal of Cell Biology, 2022, 221, .	2.3	33
2	Quick and Mild Isolation of Intact Lysosomes Using Magneticâ€"Plasmonic Hybrid Nanoparticles. ACS Nano, 2022, 16, 885-896.	7.3	13
3	Specific association of TBK1 with the trans-Golgi network following STING stimulation. Cell Structure and Function, 2022, 47, 19-30.	0.5	12
4	Trapping of CDC42 C-terminal variants in the Golgi drives pyrin inflammasome hyperactivation. Journal of Experimental Medicine, 2022, 219, .	4.2	18
5	Homeostatic regulation of STING by retrograde membrane traffic to the ER. Nature Communications, 2021, 12, 61.	5.8	80
6	STING Operation at the ER/Golgi Interface. Frontiers in Immunology, 2021, 12, 646304.	2.2	37
7	A cell-free assay implicates a role of sphingomyelin and cholesterol in STING phosphorylation. Scientific Reports, 2021, 11, 11996.	1.6	14
8	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
9	A Role of Phosphatidylserine in the Function of Recycling Endosomes. Frontiers in Cell and Developmental Biology, 2021, 9, 783857.	1.8	9
10	A defect in COPI-mediated transport of STING causes immune dysregulation in COPA syndrome. Journal of Experimental Medicine, 2020, 217, .	4.2	110
11	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
12	FAM48A mediates compensatory autophagy induced by proteasome impairment. Genes To Cells, 2019, 24, 559-568.	0.5	1
13	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
14	Innate immunity signalling and membrane trafficking. Current Opinion in Cell Biology, 2019, 59, 1-7.	2.6	77
15	STING palmitoylation as a therapeutic target. Cellular and Molecular Immunology, 2019, 16, 236-241.	4.8	57
16	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
17	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
18	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

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19	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
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	Rab23. , 2018, , 4362-4367.		0
22	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
23	Endosomal phosphatidylserine is critical for the YAP signalling pathway in proliferating cells. Nature Communications, 2017, 8, 1246.	5.8	36
24	Magnetic Separation of Autophagosomes from Mammalian Cells Using Magneticâ€"Plasmonic Hybrid Nanobeads. ACS Omega, 2017, 2, 4929-4937.	1.6	6
25	Activation of STING requires palmitoylation at the Golgi. Nature Communications, 2016, 7, 11932.	5.8	436
26	Phosphatidic acid induces EHD3-containing membrane tubulation and is required for receptor recycling. Experimental Cell Research, 2016, 342, 1-10.	1.2	7
27	Ag/FeCo/Ag Core/Shell/Shell Magnetic Nanoparticles with Plasmonic Imaging Capability. Langmuir, 2015, 31, 2228-2236.	1.6	31
28	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
29	Transport through recycling endosomes requiresÂ <scp>EHD</scp> 1 recruitment by a phosphatidylserineÂtranslocase. EMBO Journal, 2015, 34, 669-688.	3.5	113
30	Endosomal lipid flippases and their related diseases. Channels, 2015, 9, 166-168.	1.5	1
31	Visualization of the heterogeneous membrane distribution of sphingomyelin associated with cytokinesis, cell polarity, and sphingolipidosis. FASEB Journal, 2015, 29, 477-493.	0.2	76
32	Retrograde Membrane Traffic and Recycling Endosome. , 2015, , 943-948.		0
33	Small GTPases and phosphoinositides in the regulatory mechanisms of macropinosome formation and maturation. Frontiers in Physiology, 2014, 5, 374.	1.3	116
34	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
35	Lipid compartmentalization in the endosome system. Seminars in Cell and Developmental Biology, 2014, 31, 48-56.	2.3	72
36	Mannosyl (Alpha-1,3[6?]-)-Glycoprotein Beta-1,4-N-Acetylglucosaminyltransferase, Isozyme C (Putative) (MGAT4C). , 2014, , 257-263.		1

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37	Retrograde Membrane Traffic and Recycling Endosome. , 2014, , 1-6.		0
38	Emerging roles of recycling endosomes. Journal of Biochemistry, 2013, 153, 505-510.	0.9	63
39	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
40	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
41	SMAP2 Regulates Retrograde Transport from Recycling Endosomes to the Golgi. PLoS ONE, 2013, 8, e69145.	1.1	9
42	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
43	Structural Insights into the Phospholipid Binding Specificity of Human Evectin-2. Nihon Kessho Gakkaishi, 2012, 54, 101-106.	0.0	0
44	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
45	Subcellular localization of sphingomyelin revealed by two toxinâ€based probes in mammalian cells. Genes To Cells, 2012, 17, 720-727.	0.5	40
46	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
47	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
48	The Recycling Endosome Protein Rab17 Regulates Melanocytic Filopodia Formation and Melanosome Trafficking. Traffic, 2011, 12, 627-643.	1.3	83
49	Palmitoylation pilots Ras to recycling endosomes. Small GTPases, 2011, 2, 82-84.	0.7	12
50	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
51	Palmitoylated Ras proteins traffic through recycling endosomes to the plasma membrane during exocytosis. Journal of Cell Biology, 2010, 191, 23-29.	2.3	81
52	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
53	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
54	Rap2 function requires palmitoylation and recycling endosome localization. Biochemical and Biophysical Research Communications, 2009, 378, 732-737.	1.0	38

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55	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
56	Human RME-8 Is Involved in Membrane Trafficking through Early Endosomes. Cell Structure and Function, 2008, 33, 35-50.	0.5	50
57	Spatial segregation of degradation- and recycling-trafficking pathways in COS-1 cells. Biochemical and Biophysical Research Communications, 2007, 360, 580-585.	1.0	35
58	Purification of Rat Liver Golgi Stacks. , 2006, , 33-39.		15
59	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
60	Fucosylation of N-Glycans Regulates the Secretion of Hepatic Glycoproteins into Bile Ducts. Journal of Biological Chemistry, 2006, 281, 29797-29806.	1.6	110
61	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
62	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
63	Biochemical Subâ€Fractionation of the Mammalian Golgi Apparatus. Traffic, 2003, 4, 344-352.	1.3	19
64	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
65	Partitioning of the Matrix Fraction of the Golgi Apparatus During Mitosis in Animal Cells. Science, 2002, 295, 848-851.	6.0	123
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	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
78	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