Kazuhisa Nakayama

List of Publications by Year
in descending order

65	2,848	147801	197818
papers	citations	31 h-index	49 g-index

67	67	67	3396
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rab11 regulates exocytosis of recycling vesicles at the plasma membrane. Journal of Cell Science, 2012, 125, 4049-57.	2.0	232
2	Architectures of multisubunit complexes revealed by a visible immunoprecipitation assay using fluorescent fusion proteins. Journal of Cell Science, 2015, 128, 2351-2362.	2.0	149
3	Overall Architecture of the Intraflagellar Transport (IFT)-B Complex Containing Cluap1/IFT38 as an Essential Component of the IFT-B Peripheral Subcomplex. Journal of Biological Chemistry, 2016, 291, 10962-10975.	3.4	111
4	Intraflagellar transport-A complex mediates ciliary entry and retrograde trafficking of ciliary G proteinâ€“coupled receptors. Molecular Biology of the Cell, 2017, 28, 429-439.	2.1	110
5	Phospholipid Flippase Activities and Substrate Specificities of Human Type IV P-type ATPases Localized to the Plasma Membrane. Journal of Biological Chemistry, 2014, 289, 33543-33556.	3.4	109
6	ATP9B, a P4-ATPase (a Putative Aminophospholipid Translocase), Localizes to the trans-Golgi Network in a CDC50 Protein-independent Manner. Journal of Biological Chemistry, 2011, 286, 38159-38167.	3.4	108
7	Ciliary protein trafficking mediated by IFT and BBSome complexes with the aid of kinesin-2 and dynein-2 motors. Journal of Biochemistry, 2018, 163, 155-164.	1.7	100
8	Redundant Roles of BIG2 and BIG1, Guanine-Nucleotide Exchange Factors for ADP-Ribosylation Factors in Membrane Traffic between thetrans-Golgi Network and Endosomes. Molecular Biology of the Cell, 2008, 19, 2650-2660.	2.1	85
9	ARF1 and ARF4 regulate recycling endosomal morphology and retrograde transport from endosomes to the Golgi apparatus. Molecular Biology of the Cell, 2013, 24, 2570-2581.	2.1	81
10	RABL2 interacts with the intraflagellar transport-B complex and CEP19 and participates in ciliary assembly. Molecular Biology of the Cell, 2017, 28, 1652-1666.	2.1	74
11	Practical method for targeted disruption of cilia-related genes by using CRISPR/Cas9-mediated, homology-independent knock-in system. Molecular Biology of the Cell, 2017, 28, 898-906.	2.1	73
12	Phospholipid Flippase ATP10A Translocates Phosphatidylcholine and Is Involved in Plasma Membrane Dynamics. Journal of Biological Chemistry, 2015, 290, 15004-15017.	3.4	72
13	Regulation of ciliary retrograde protein trafficking by Joubert syndrome proteins ARL13B and INPP5E. Journal of Cell Science, 2017, 130, 563-576.	2.0	69
14	Functional Cross-Talk between Rab14 and Rab4 through a Dual Effector, RUFY1/Rabip4. Molecular Biology of the Cell, 2010, 21, 2746-2755.	2.1	62
15	ARF1 and ARF3 Are Required for the Integrity of Recycling Endosomes and the Recycling Pathway. Cell Structure and Function, 2012, 37, 141-154.	1.1	60
16	Functional involvement of TMF/ARA160 in Rab6-dependent retrograde membrane traffic. Experimental Cell Research, 2007, 313, 3472-3485.	2.6	56
17	BBS1 is involved in retrograde trafficking of ciliary GPCRs in the context of the BBSome complex. PLoS ONE, 2018, 13, e0195005.	2.5	56
18	Architecture of the IFT ciliary trafficking machinery and interplay between its components. Critical Reviews in Biochemistry and Molecular Biology, 2020, 55, 179-196.	5.2	56

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19	Structural basis for Arf6-MKLP1 complex formation on the Flemming body responsible for cytokinesis. EMBO Journal, 2012, 31, 2590-2603.	7.8	55
20	The phospholipid flippase ATP9A is required for the recycling pathway from the endosomes to the plasma membrane. Molecular Biology of the Cell, 2016, 27, 3883-3893.	2.1	52
21	Ciliary entry of KIF17 is dependent on its binding to the IFT-B complex via IFT46â€“IFT56 as well as on its nuclear localization signal. Molecular Biology of the Cell, 2017, 28, 624-633.	2.1	50
22	Interaction of heterotrimeric kinesin-II with IFT-Bâ€“connecting tetramer is crucial for ciliogenesis. Journal of Cell Biology, 2018, 217, 2867-2876.	5.2	50
23	Ciliopathy-associated mutations of IFT122 impair ciliary protein trafficking but not ciliogenesis. Human Molecular Genetics, 2018, 27, 516-528.	2.9	46
24	Arfaptins Are Localized to the trans-Golgi by Interaction with Arl1, but Not Arfs. Journal of Biological Chemistry, 2011, 286, 11569-11578.	3.4	44
25	Modulation of primary cilia length by melanin-concentrating hormone receptor 1. Cellular Signalling, 2016, 28, 572-584.	3.6	44
26	Phospholipid flippase ATP11C is endocytosed and downregulated following Ca2+-mediated protein kinase C activation. Nature Communications, 2017, 8, 1423.	12.8	44
27	Interaction of WDR60 intermediate chain with TCTEX1D2 light chain of the dynein-2 complex is crucial for ciliary protein trafficking. Molecular Biology of the Cell, 2018, 29, 1628-1639.	2.1	42
28	Phospholipidâ€flipping activity of P4â€•<scp>ATP</scp> ase drives membrane curvature. EMBO Journal, 2018, 37, .	7.8	41
29	Cooperation of the IFT-A complex with the IFT-B complex is required for ciliary retrograde protein trafficking and GPCR import. Molecular Biology of the Cell, 2021, 32, 45-56.	2.1	41
30	Requirement of IFT-Bâ€“BBSome complex interaction in export of GPR161 from cilia. Biology Open, 2019, 8, .	1.2	38
31	Interactions of the dynein-2 intermediate chain WDR34 with the light chains are required for ciliary retrograde protein trafficking. Molecular Biology of the Cell, 2019, 30, 658-670.	2.1	38
32	Three Homologous ArfGAPs Participate in Coat Protein I-mediated Transport. Journal of Biological Chemistry, 2009, 284, 13948-13957.	3.4	34
33	Robust interaction of IFT70 with IFT52â€“IFT88 in the IFT-B complex is required for ciliogenesis. Biology Open, 2018, 7, .	1.2	33
34	Differential Effects of Depletion of ARL1 and ARFRP1 on Membrane Trafficking between the trans-Golgi Network and Endosomes. Journal of Biological Chemistry, 2009, 284, 10583-10592.	3.4	31
35	Distinct roles of Rab11 and Arf6 in the regulation of Rab11â€FIP3/arfophilinâ€1 localization in mitotic cells. Genes To Cells, 2011, 16, 938-950.	1.2	31
36	Structural Basis for Membrane Binding Specificity of the Bin/Amphiphysin/Rvs (BAR) Domain of Arfaptin-2 Determined by Arl1 GTPase. Journal of Biological Chemistry, 2012, 287, 25478-25489.	3.4	31

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37	GBF1-Arf-COPI-ArfGAP-mediated Golgi-to-ER Transport Involved in Regulation of Lipid Homeostasis. Cell Structure and Function, 2011, 36, 223-235.	1.1	25
38	Impaired cooperation between IFT74/BBS22â€“IFT81 and IFT25â€“IFT27/BBS19 causes Bardet-Biedl syndrome. Human Molecular Genetics, 2022, 31, 1681-1693.	2.9	24
39	Interaction of INPP5E with ARL13B is essential for its ciliary membrane retention but dispensable for its ciliary entry. Biology Open, 2021, 10, .	1.2	23
40	Visible Immunoprecipitation (VIP) Assay: a Simple and Versatile Method for Visual Detection of Protein-protein Interactions. Bio-protocol, 2018, 8, e2687.	0.4	23
41	<scp>GM</scp>130 is a parallel tetramer with a flexible rodâ€like structure and Nâ€“terminally open (Yâ€shaped) and closed (Iâ€shaped) conformations. FEBS Journal, 2015, 282, 2232-2244.	4.7	22
42	Regulation of cytokinesis by membrane trafficking involving small GTPases and the ESCRT machinery. Critical Reviews in Biochemistry and Molecular Biology, 2016, 51, 1-6.	5.2	21
43	Anterograde trafficking of ciliary MAP kinaseâ€“like ICK/CILK1 by the intraflagellar transport machinery is required for intraciliary retrograde protein trafficking. Journal of Biological Chemistry, 2020, 295, 13363-13376.	3.4	21
44	SNAP23/25 and VAMP2 mediate exocytic event of transferrin receptor-containing recycling vesicles. Biology Open, 2015, 4, 910-920.	1.2	20
45	Practical method for superresolution imaging of primary cilia and centrioles by expansion microscopy using an amplibody for fluorescence signal amplification. Molecular Biology of the Cell, 2020, 31, 2195-2206.	2.1	20
46	Class I Arfs (Arf1 and Arf3) and Arf6 are localized to the Flemming body and play important roles in cytokinesis. Journal of Biochemistry, 2016, 159, 201-208.	1.7	19
47	Molecular basis of ciliary defects caused by compound heterozygous IFT144/WDR19 mutations found in cranioectodermal dysplasia. Human Molecular Genetics, 2021, 30, 213-225.	2.9	19
48	Recruitment of Tom1L1/Srcasm to Endosomes and the Midbody by Tsg101. Cell Structure and Function, 2008, 33, 91-100.	1.1	19
49	Formation of the B9-domain protein complex MKS1â€“B9D2â€“B9D1 is essential as a diffusion barrier for ciliary membrane proteins. Molecular Biology of the Cell, 2020, 31, 2259-2268.	2.1	17
50	The N- or C-terminal cytoplasmic regions of P4-ATPases determine their cellular localization. Molecular Biology of the Cell, 2020, 31, 2115-2124.	2.1	17
51	ATP11C mutation is responsible for the defect in phosphatidylserine uptake in UPS-1 cells. Journal of Lipid Research, 2015, 56, 2151-2157.	4.2	16
52	Mitosis-Coupled, Microtubule-Dependent Clustering of Endosomal Vesicles around Centrosomes. Cell Structure and Function, 2013, 38, 31-41.	1.1	16
53	ARL3 and ARL13B GTPases participate in distinct steps of INPP5E targeting to the ciliary membrane. Biology Open, 2021, 10, .	1.2	14
54	Alteration of transbilayer phospholipid compositions is involved in cell adhesion, cell spreading, and focal adhesion formation. FEBS Letters, 2016, 590, 2138-2145.	2.8	13

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55	ATPase reaction cycle of P4â€ATPases affects their transport from the endoplasmic reticulum. FEBS Letters, 2020, 594, 412-423.	2.8	13
56	EFA6 activates Arf6 and participates in its targeting to the Flemming body during cytokinesis. FEBS Letters, 2013, 587, 1617-1623.	2.8	12
57	C11ORF74 interacts with the IFT-A complex and participates in ciliary BBSome localization. Journal of Biochemistry, 2019, 165, 257-267.	1.7	12
58	Molecular Basis for Autoregulatory Interaction Between GAE Domain and Hinge Region of GGA1. Traffic, 2007, 8, 904-913.	2.7	11
59	COPI-mediated retrieval of SCAP is critical for regulating lipogenesis under basal and sterol-deficient conditions. Journal of Cell Science, 2015, 128, 2805-15.	2.0	11
60	Mechanisms of Membrane Curvature Generation in Membrane Traffic. Membranes, 2012, 2, 118-133.	3.0	10
61	C-terminal cytoplasmic region of ATP11C variant determines its localization at the polarized plasma membrane. Journal of Cell Science, 2019, 132, .	2.0	6
62	The interaction of ATP11C-b with ezrin contributes to its polarized localization. Journal of Cell Science, 2021, 134, .	2.0	4
63	CCRK/CDK20 regulates ciliary retrograde protein trafficking via interacting with BROMI/TBC1D32. PLoS ONE, 2021, 16, e0258497.	2.5	4
64	Combinations of deletion and missense variations of the dynein-2 DYNC2LI1 subunit found in skeletal ciliopathies cause ciliary defects. Scientific Reports, 2022, 12, 31.	3.3	4
65	ATP9B, a P4-ATPase (a putative aminophospholipid translocase), localizes to the trans-Golgi network in a CDC50 protein-independent manner.. Journal of Biological Chemistry, 2015, 290, 886.	3.4	1