

# Nobuhiro Nakamura

## List of Publications by Year in descending order

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77  
papers

4,104  
citations

101543

36  
h-index

118850

62  
g-index

77  
all docs

77  
docs citations

77  
times ranked

4818  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Vesicle Docking Protein p115 Binds GM130, a cis-Golgi Matrix Protein, in a Mitotically Regulated Manner. <i>Cell</i> , 1997, 89, 445-455.	28.9	384
2	MARCH-V is a novel mitofusin 2 and Drp1 binding protein able to change mitochondrial morphology. <i>EMBO Reports</i> , 2006, 7, 1019-1022.	4.5	369
3	Cdc2 Kinase Directly Phosphorylates the cis-Golgi Matrix Protein GM130 and Is Required for Golgi Fragmentation in Mitosis. <i>Cell</i> , 1998, 94, 783-793.	28.9	277
4	ERK regulates Golgi and centrosome orientation towards the leading edge through GRASP65. <i>Journal of Cell Biology</i> , 2008, 182, 837-843.	5.2	154
5	Regulation of Mitochondrial Morphology by USP30, a Deubiquitinating Enzyme Present in the Mitochondrial Outer Membrane. <i>Molecular Biology of the Cell</i> , 2008, 19, 1903-1911.	2.1	147
6	Identification and Characterization of a Novel Golgi Protein, GCP60, That Interacts with the Integral Membrane Protein Giantin. <i>Journal of Biological Chemistry</i> , 2001, 276, 45298-45306.	3.4	131
7	Emerging New Roles of GM130, a cis-Golgi Matrix Protein, in Higher Order Cell Functions. <i>Journal of Pharmacological Sciences</i> , 2010, 112, 255-264.	2.5	117
8	Inwardly rectifying K <sup>+</sup> channel Kir7.1 is highly expressed in thyroid follicular cells, intestinal epithelial cells and choroid plexus epithelial cells: implication for a functional coupling with Na <sup>+</sup> ,K <sup>+</sup> -ATPase. <i>Biochemical Journal</i> , 1999, 342, 329-336.	3.7	114
9	Knockdown of Mitochondrial Heat Shock Protein 70 Promotes Progeria-like Phenotypes in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 5910-5918.	3.4	96
10	Golgi division and membrane traffic. <i>Trends in Cell Biology</i> , 1998, 8, 40-44.	7.9	94
11	Convergence of Cell Cycle Regulation and Growth Factor Signals on GRASP65. <i>Journal of Biological Chemistry</i> , 2005, 280, 23048-23056.	3.4	74
12	The Interaction of Two Tethering Factors, p115 and COG complex, is Required for Golgi Integrity. <i>Traffic</i> , 2007, 8, 270-284.	2.7	74
13	A Di-leucine Signal in the Ubiquitin Moiety. <i>Journal of Biological Chemistry</i> , 2000, 275, 26213-26219.	3.4	73
14	The Role of the Transmembrane RING Finger Proteins in Cellular and Organelle Function. <i>Membranes</i> , 2011, 1, 354-393.	3.0	72
15	MARCH-II Is a Syntaxin-6 binding Protein Involved in Endosomal Trafficking. <i>Molecular Biology of the Cell</i> , 2005, 16, 1696-1710.	2.1	71
16	Interaction of Golgin-84 with the COG Complex Mediates the Intra-Golgi Retrograde Transport. <i>Traffic</i> , 2010, 11, 1552-1566.	2.7	71
17	Differential Recognition of Tyrosine-based Basolateral Signals by AP-1B Subunit $\hat{1}/41B$ in Polarized Epithelial Cells. <i>Molecular Biology of the Cell</i> , 2002, 13, 2374-2382.	2.1	69
18	Mechanism of development of ionocytes rich in vacuolar-type H <sup>+</sup> -ATPase in the skin of zebrafish larvae. <i>Developmental Biology</i> , 2009, 329, 116-129.	2.0	69

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19	Localization of Inward Rectifier Potassium Channel Kir7.1 in the Basolateral Membrane of Distal Nephron and Collecting Duct. <i>Journal of the American Society of Nephrology: JASN</i> , 2000, 11, 1987-1994.	6.1	68
20	Lung Surfactant Levels are Regulated by Ig-Hepta/GPR116 by Monitoring Surfactant Protein D. <i>PLoS ONE</i> , 2013, 8, e69451.	2.5	60
21	Identification by Differential Display of a Hypertonicity-inducible Inward Rectifier Potassium Channel Highly Expressed in Chloride Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 11376-11382.	3.4	58
22	Modular organization of the mammalian Golgi apparatus. <i>Current Opinion in Cell Biology</i> , 2012, 24, 467-474.	5.4	57
23	Close Association of Carbonic Anhydrase (CA2a and CA15a), Na <sup>+</sup> /H <sup>+</sup> Exchanger (Nhe3b), and Ammonia Transporter Rhcg1 in Zebrafish Ionocytes Responsible for Na <sup>+</sup> Uptake. <i>Frontiers in Physiology</i> , 2013, 4, 59.	2.8	56
24	MARCH-XI, a Novel Transmembrane Ubiquitin Ligase Implicated in Ubiquitin-dependent Protein Sorting in Developing Spermatids*. <i>Journal of Biological Chemistry</i> , 2007, 282, 24806-24815.	3.4	54
25	MARCH2 promotes endocytosis and lysosomal sorting of carvedilol-bound $\beta_2$ -adrenergic receptors. <i>Journal of Cell Biology</i> , 2012, 199, 817-830.	5.2	53
26	JNK2 controls fragmentation of the Golgi complex and the G2/M transition through phosphorylation of GRASP65. <i>Journal of Cell Science</i> , 2015, 128, 2249-2260.	2.0	50
27	Modulation of cellular proliferation and differentiation through GABA <sub>B</sub> receptors expressed by undifferentiated neural progenitor cells isolated from fetal mouse brain. <i>Journal of Cellular Physiology</i> , 2008, 216, 507-519.	4.1	49
28	Yip1A regulates the COPI-independent retrograde transport from the Golgi complex to the ER. <i>Journal of Cell Science</i> , 2009, 122, 2218-2227.	2.0	47
29	Myt1 protein kinase is essential for Golgi and ER assembly during mitotic exit. <i>Journal of Cell Biology</i> , 2008, 181, 89-103.	5.2	46
30	Dynamics of Golgi Matrix Proteins after the Blockage of ER to Golgi Transport. <i>Journal of Biochemistry</i> , 2004, 135, 201-216.	1.7	45
31	Depletion of vesicle-tethering factor p115 causes mini-stacked Golgi fragments with delayed protein transport. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 1268-1274.	2.1	45
32	Ubiquitin System. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1080.	4.1	45
33	IntraGolgi distribution of the Conserved Oligomeric Golgi (COG) complex. <i>Experimental Cell Research</i> , 2006, 312, 3132-3141.	2.6	43
34	YIPF5 and YIF1A recycle between the ER and the Golgi apparatus and are involved in the maintenance of the Golgi structure. <i>Experimental Cell Research</i> , 2008, 314, 3427-3443.	2.6	42
35	Inwardly rectifying K <sup>+</sup> channel Kir7.1 is highly expressed in thyroid follicular cells, intestinal epithelial cells and choroid plexus epithelial cells: implication for a functional coupling with Na <sup>+</sup> ,K <sup>+</sup> -ATPase. <i>Biochemical Journal</i> , 1999, 342, 329.	3.7	40
36	MARCH-III Is a Novel Component of Endosomes with Properties Similar to Those of MARCH-II. <i>Journal of Biochemistry</i> , 2006, 139, 137-145.	1.7	38

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37	Identification of a five-pass transmembrane protein family localizing in the Golgi apparatus and the ER. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 850-857.	2.1	36
38	Ubiquitination Regulates the Morphogenesis and Function of Sperm Organelles. <i>Cells</i> , 2013, 2, 732-750.	4.1	35
39	ppGpp functions as an alarmone in metazoa. <i>Communications Biology</i> , 2020, 3, 671.	4.4	34
40	Membrane-associated RING-CH 10 (MARCH10 Protein) Is a Microtubule-associated E3 Ubiquitin Ligase of the Spermatid Flagella. <i>Journal of Biological Chemistry</i> , 2011, 286, 39082-39090.	3.4	33
41	Identification of zebrafish FXYD11a protein that is highly expressed in ion-transporting epithelium of the gill and skin and its possible role in ion homeostasis. <i>Frontiers in Physiology</i> , 2010, 1, 129.	2.8	30
42	Group III metabotropic glutamate receptor activation suppresses self-replication of undifferentiated neocortical progenitor cells. <i>Journal of Neurochemistry</i> , 2008, 105, 1996-2012.	3.9	28
43	Insensitivity to glutamate neurotoxicity mediated by NMDA receptors in association with delayed mitochondrial membrane potential disruption in cultured rat cortical neurons. <i>Journal of Neurochemistry</i> , 2008, 105, 1886-1900.	3.9	26
44	Characterization of YIPF3 and YIPF4, cis-Golgi Localizing Yip Domain Family Proteins. <i>Cell Structure and Function</i> , 2011, 36, 171-185.	1.1	26
45	Ubiquitin-specific protease 19 regulates the stability of the E3 ubiquitin ligase MARCH6. <i>Experimental Cell Research</i> , 2014, 328, 207-216.	2.6	26
46	Rhesus Glycoprotein P2 (Rhp2) Is a Novel Member of the Rh Family of Ammonia Transporters Highly Expressed in Shark Kidney. <i>Journal of Biological Chemistry</i> , 2010, 285, 2653-2664.	3.4	25
47	Possible promotion of neuronal differentiation in fetal rat brain neural progenitor cells after sustained exposure to static magnetism. <i>Journal of Neuroscience Research</i> , 2009, 87, 2406-2417.	2.9	24
48	Promotion of neuronal differentiation through activation of N-methyl-D-aspartate receptors transiently expressed by undifferentiated neural progenitor cells in fetal rat neocortex. <i>Journal of Neuroscience Research</i> , 2008, 86, 2392-2402.	2.9	23
49	MARCH7 E3 ubiquitin ligase is highly expressed in developing spermatids of rats and its possible involvement in head and tail formation. <i>Histochemistry and Cell Biology</i> , 2013, 139, 447-460.	1.7	23
50	Quantitative monitoring of autophagic degradation. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 71-77.	2.1	22
51	Interference by adrenaline with chondrogenic differentiation through suppression of gene transactivation mediated by Sox9 family members. <i>Bone</i> , 2009, 45, 568-578.	2.9	22
52	<sc>GM</sc>130 is a parallel tetramer with a flexible rod-like structure and N-terminally open (Y-shaped) and closed (I-shaped) conformations. <i>FEBS Journal</i> , 2015, 282, 2232-2244.	4.7	22
53	Loss of the adhesion G-protein coupled receptor ADGRF5 in mice induces airway inflammation and the expression of CCL2 in lung endothelial cells. <i>Respiratory Research</i> , 2019, 20, 11.	3.6	22
54	Orphan GPR116 mediates the insulin sensitizing effects of the hepatokine FNDC4 in adipose tissue. <i>Nature Communications</i> , 2021, 12, 2999.	12.8	22

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55	Identification of SAMT family proteins as substrates of MARCH11 in mouse spermatids. <i>Histochemistry and Cell Biology</i> , 2012, 137, 53-65.	1.7	21
56	Targeted Disruption of Ig-Hepta/Gpr116 Causes Emphysema-like Symptoms That Are Associated with Alveolar Macrophage Activation. <i>Journal of Biological Chemistry</i> , 2015, 290, 11032-11040.	3.4	20
57	USP19-Mediated Deubiquitination Facilitates the Stabilization of HRD1 Ubiquitin Ligase. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1829.	4.1	20
58	Expression of the K <sup>+</sup> channel Kir7.1 in the developing rat kidney: Role in K <sup>+</sup> excretion. <i>Kidney International</i> , 2003, 63, 969-975.	5.2	18
59	HIV-1 Nef perturbs the function, structure, and signaling of the Golgi through the Src Kinase Hck. <i>Journal of Cellular Physiology</i> , 2012, 227, 1090-1097.	4.1	18
60	Functional characterisation of the YIPF protein family in mammalian cells. <i>Histochemistry and Cell Biology</i> , 2017, 147, 439-451.	1.7	18
61	Complex Structure and Regulation of Expression of the Rat Gene for Inward Rectifier Potassium Channel Kir7.1. <i>Journal of Biological Chemistry</i> , 2000, 275, 28276-28284.	3.4	16
62	Carbonic Anhydrase Inhibitors Induce Developmental Toxicity During Zebrafish Embryogenesis, Especially in the Inner Ear. <i>Marine Biotechnology</i> , 2017, 19, 430-440.	2.4	16
63	Role of C-terminus of Kir7.1 potassium channel in cell-surface expression. <i>Cell Biology International</i> , 2006, 30, 270-277.	3.0	15
64	A Novel Potential Role for Gametogenetin-Binding Protein 1 (GGNBP1) in Mitochondrial Morphogenesis During Spermatogenesis in Mice. <i>Biology of Reproduction</i> , 2009, 80, 762-770.	2.7	15
65	Characteristics and Functions of the Yip1 Domain Family (YIPF), Multi-Span Transmembrane Proteins Mainly Localized to the Golgi Apparatus. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 130.	3.7	15
66	YIPF1, YIPF2, and YIPF6 are medial-/trans-Golgi and trans-Golgi network-localized Yip domain family proteins, which play a role in the Golgi reassembly and glycan synthesis. <i>Experimental Cell Research</i> , 2017, 353, 100-108.	2.6	14
67	Identification and properties of a novel variant of NBC4 (Na <sup>+</sup> /HCO <sub>3</sub> <sup>2-</sup> co-transporter 4) that is predominantly expressed in the choroid plexus. <i>Biochemical Journal</i> , 2013, 450, 179-187.	3.7	13
68	RING finger, B-box, and coiled-coil (RBCC) protein expression in branchial epithelial cells of Japanese eel, <i>Anguilla japonica</i> . <i>FEBS Journal</i> , 2002, 269, 6152-6161.	0.2	12
69	Up-regulation of ciliary neurotrophic factor receptor expression by GABA <sub>A</sub> receptors in undifferentiated neural progenitors of fetal mouse brain. <i>Journal of Neuroscience Research</i> , 2008, 86, 2615-2623.	2.9	12
70	Effects of type-21 transforming growth factor on the proliferation and differentiation of mouse myelomonocytic leukemia cells (M1)*1. <i>Experimental Cell Research</i> , 1991, 196, 107-113.	2.6	8
71	Transcriptional regulation of the vimentin-encoding gene in mouse myeloid leukemia M1 cells. <i>Gene</i> , 1995, 166, 281-286.	2.2	8
72	Low cytoplasmic pH reduces ER-Golgi trafficking and induces disassembly of the Golgi apparatus. <i>Experimental Cell Research</i> , 2014, 328, 325-339.	2.6	8

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73	Ligand-induced internalization, recycling, and resensitization of adrenomedullin receptors depend not on CLR or RAMP alone but on the receptor complex as a whole. <i>General and Comparative Endocrinology</i> , 2015, 212, 156-162.	1.8	3
74	Cigarette smoke attenuates p300-mediated Nrf2 acetylation in macrophages: Is stabilizing Nrf2 enough to halt COPD progression?. <i>Respirology</i> , 2021, 26, 19-20.	2.3	3
75	Congenital Heart Diseases and Biotechnology: Connecting by Connexin. <i>Advanced Materials Research</i> , 2014, 995, 85-112.	0.3	0
76	Characterization of the zebrafish cx36.7 gene promoter: Its regulation of cardiac-specific expression and skeletal muscle-specific repression. <i>Gene</i> , 2016, 577, 265-274.	2.2	0
77	Carbonic anhydrase inhibitor induces otic hair cell apoptosis via an intrinsic pathway and ER stress in zebrafish larvae. <i>Toxicology Reports</i> , 2021, 8, 1937-1947.	3.3	0