

Mitsunori Fukuda

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350 papers	25,224 citations	72 h-index	147 g-index
446 ext. papers	28,683 ext. citations	5.2 avg, IF	6.97 L-index

#	Paper	IF	Citations
350	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
349	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
348	Rab27a and Rab27b control different steps of the exosome secretion pathway. <i>Nature Cell Biology</i> , 2010 , 12, 19-30; sup pp 1-13	23.4	1505
347	The Atg16L complex specifies the site of LC3 lipidation for membrane biogenesis in autophagy. <i>Molecular Biology of the Cell</i> , 2008 , 19, 2092-100	3.5	759
346	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
345	AS160, the Akt substrate regulating GLUT4 translocation, has a functional Rab GTPase-activating protein domain. <i>Biochemical Journal</i> , 2005 , 391, 87-93	3.8	321
344	Regulation of secretory vesicle traffic by Rab small GTPases. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 2801-13	10.3	302
343	Slac2-a/melanophilin, the missing link between Rab27 and myosin Va: implications of a tripartite protein complex for melanosome transport. <i>Journal of Biological Chemistry</i> , 2002 , 277, 12432-6	5.4	282
342	Rab10, a target of the AS160 Rab GAP, is required for insulin-stimulated translocation of GLUT4 to the adipocyte plasma membrane. <i>Cell Metabolism</i> , 2007 , 5, 293-303	24.6	261
341	Golgi-resident small GTPase Rab33B interacts with Atg16L and modulates autophagosome formation. <i>Molecular Biology of the Cell</i> , 2008 , 19, 2916-25	3.5	209
340	Ca ²⁺ -dependent synaptotagmin binding to SNAP-25 is essential for Ca ²⁺ -triggered exocytosis. <i>Neuron</i> , 2002 , 34, 599-611	13.9	207
339	Recruitment of the autophagic machinery to endosomes during infection is mediated by ubiquitin. <i>Journal of Cell Biology</i> , 2013 , 203, 115-28	7.3	201
338	Versatile role of Rab27 in membrane trafficking: focus on the Rab27 effector families. <i>Journal of Biochemistry</i> , 2005 , 137, 9-16	3.1	188
337	Large scale screening for novel rab effectors reveals unexpected broad Rab binding specificity. <i>Molecular and Cellular Proteomics</i> , 2008 , 7, 1031-42	7.6	186
336	Synaptotagmin IV regulates glial glutamate release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9441-6	11.5	178
335	The Slp homology domain of synaptotagmin-like proteins 1-4 and Slac2 functions as a novel Rab27A binding domain. <i>Journal of Biological Chemistry</i> , 2002 , 277, 9212-8	5.4	178
334	Munc13-4 is a GTP-Rab27-binding protein regulating dense core granule secretion in platelets. <i>Journal of Biological Chemistry</i> , 2004 , 279, 10730-7	5.4	173

333	Mutation of the pleckstrin homology domain of Bruton's tyrosine kinase in immunodeficiency impaired inositol 1,3,4,5-tetrakisphosphate binding capacity. <i>Journal of Biological Chemistry</i> , 1996 , 271, 30303-6	5.4	161
332	Distinct Rab binding specificity of Rim1, Rim2, rabphilin, and Noc2. Identification of a critical determinant of Rab3A/Rab27A recognition by Rim2. <i>Journal of Biological Chemistry</i> , 2003 , 278, 15373-80	5.4	158
331	Functional diversity of C2 domains of synaptotagmin family. Mutational analysis of inositol high polyphosphate binding domain. <i>Journal of Biological Chemistry</i> , 1995 , 270, 26523-7	5.4	156
330	The short apical membrane half-life of rescued {Delta}F508-cystic fibrosis transmembrane conductance regulator (CFTR) results from accelerated endocytosis of {Delta}F508-CFTR in polarized human airway epithelial cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 36762-72	5.4	151
329	Rab3A and Rab27A cooperatively regulate the docking step of dense-core vesicle exocytosis in PC12 cells. <i>Journal of Cell Science</i> , 2006 , 119, 2196-203	5.3	148
328	Conserved N-terminal cysteine motif is essential for homo- and heterodimer formation of synaptotagmins III, V, VI, and X. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31421-7	5.4	146
327	Role of the C2B domain of synaptotagmin in vesicular release and recycling as determined by specific antibody injection into the squid giant synapse preterminal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 10708-12	11.5	146
326	Slac2-c (synaptotagmin-like protein homologue lacking C2 domains-c), a novel linker protein that interacts with Rab27, myosin Va/VIIa, and actin. <i>Journal of Biological Chemistry</i> , 2002 , 277, 43096-103	5.4	145
325	Anterograde transport of TrkB in axons is mediated by direct interaction with Slp1 and Rab27. <i>Developmental Cell</i> , 2009 , 16, 675-86	10.2	143
324	Involvement of the Rab27 binding protein Slac2c/MyRIP in insulin exocytosis. <i>Molecular Biology of the Cell</i> , 2003 , 14, 4103-13	3.5	139
323	Rab27 effectors, pleiotropic regulators in secretory pathways. <i>Traffic</i> , 2013 , 14, 949-63	5.7	137
322	TBC proteins: GAPs for mammalian small GTPase Rab?. <i>Bioscience Reports</i> , 2011 , 31, 159-68	4.1	135
321	Rab27A-binding protein Slp2-a is required for peripheral melanosome distribution and elongated cell shape in melanocytes. <i>Nature Cell Biology</i> , 2004 , 6, 1195-203	23.4	132
320	OATL1, a novel autophagosome-resident Rab33B-GAP, regulates autophagosomal maturation. <i>Journal of Cell Biology</i> , 2011 , 192, 839-53	7.3	128
319	Regulation of synaptic transmission by RAB-3 and RAB-27 in <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2006 , 17, 2617-25	3.5	122
318	LRRK2 and its substrate Rab GTPases are sequentially targeted onto stressed lysosomes and maintain their homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E9115-E9124	11.5	122
317	Rab35 and its GAP EPI64C in T cells regulate receptor recycling and immunological synapse formation. <i>Journal of Biological Chemistry</i> , 2008 , 283, 18323-30	5.4	117
316	Screening for target Rabs of TBC (Tre-2/Bub2/Cdc16) domain-containing proteins based on their Rab-binding activity. <i>Genes To Cells</i> , 2006 , 11, 1023-37	2.3	117

315	Role of the C2A domain of synaptotagmin in transmitter release as determined by specific antibody injection into the squid giant synapse preterminal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 10703-7	11.5	116
314	An ARF6/Rab35 GTPase cascade for endocytic recycling and successful cytokinesis. <i>Current Biology</i> , 2012 , 22, 147-53	6.3	114
313	The first C2 domain of synaptotagmin is required for exocytosis of insulin from pancreatic beta-cells: action of synaptotagmin at low micromolar calcium. <i>EMBO Journal</i> , 1997 , 16, 5837-46	13	107
312	C2 domains from different Ca ²⁺ signaling pathways display functional and mechanistic diversity. <i>Biochemistry</i> , 2001 , 40, 3089-100	3.2	106
311	Pericentrosomal targeting of Rab6 secretory vesicles by Bicaudal-D-related protein 1 (BICDR-1) regulates neuritogenesis. <i>EMBO Journal</i> , 2010 , 29, 1637-51	13	104
310	Proteomics analysis of insulin secretory granules. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 1007-17	7.6	104
309	Rab35 regulates Arf6 activity through centaurin- α (ACAP2) during neurite outgrowth. <i>Journal of Cell Science</i> , 2012 , 125, 2235-43	5.3	103
308	Synaptotagmin interaction with the syntaxin/SNAP-25 dimer is mediated by an evolutionarily conserved motif and is sensitive to inositol hexakisphosphate. <i>Journal of Biological Chemistry</i> , 2004 , 279, 12574-9	5.4	101
307	The secretory granule-associated protein CAPS2 regulates neurotrophin release and cell survival. <i>Journal of Neuroscience</i> , 2004 , 24, 43-52	6.6	101
306	A novel alternatively spliced variant of synaptotagmin VI lacking a transmembrane domain. Implications for distinct functions of the two isoforms. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31428-34	5.4	99
305	Synaptotagmin-like proteins control the formation of a single apical membrane domain in epithelial cells. <i>Nature Cell Biology</i> , 2012 , 14, 838-49	23.4	98
304	The actin-binding domain of Slac2-a/melanophilin is required for melanosome distribution in melanocytes. <i>Molecular and Cellular Biology</i> , 2003 , 23, 5245-55	4.8	98
303	The Leishmania donovani lipophosphoglycan excludes the vesicular proton-ATPase from phagosomes by impairing the recruitment of synaptotagmin V. <i>PLoS Pathogens</i> , 2009 , 5, e1000628	7.6	96
302	The function of inositol high polyphosphate binding proteins. <i>BioEssays</i> , 1997 , 19, 593-603	4.1	96
301	The small GTPase Rab27B regulates amylase release from rat parotid acinar cells. <i>Journal of Cell Science</i> , 2004 , 117, 1945-53	5.3	96
300	C9orf72 and RAB7L1 regulate vesicle trafficking in amyotrophic lateral sclerosis and frontotemporal dementia. <i>Brain</i> , 2017 , 140, 887-897	11.2	94
299	Rab10 in insulin-stimulated GLUT4 translocation. <i>Biochemical Journal</i> , 2008 , 411, 89-95	3.8	91
298	Synaptotagmin V and IX isoforms control Ca ²⁺ -dependent insulin exocytosis. <i>Journal of Cell Science</i> , 2004 , 117, 3119-27	5.3	91

297	Myosin Vb is required for trafficking of the cystic fibrosis transmembrane conductance regulator in Rab11a-specific apical recycling endosomes in polarized human airway epithelial cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 23725-36	5.4	88
296	Chronic olanzapine treatment causes differential expression of genes in frontal cortex of rats as revealed by DNA microarray technique. <i>Neuropsychopharmacology</i> , 2006 , 31, 1888-99	8.7	88
295	Varp is a novel Rab32/38-binding protein that regulates Tyrp1 trafficking in melanocytes. <i>Molecular Biology of the Cell</i> , 2009 , 20, 2900-8	3.5	87
294	Synaptotagmin-like protein 1-3: a novel family of C-terminal-type tandem C2 proteins. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 281, 1226-33	3.4	87
293	Comprehensive screening for novel rab-binding proteins by GST pull-down assay using 60 different mammalian Rabs. <i>Traffic</i> , 2010 , 11, 491-507	5.7	86
292	Fis1 acts as a mitochondrial recruitment factor for TBC1D15 that is involved in regulation of mitochondrial morphology. <i>Journal of Cell Science</i> , 2013 , 126, 176-85	5.3	86
291	Synaptotagmin IX regulates Ca ²⁺ -dependent secretion in PC12 cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 4601-4	5.4	86
290	The inositol high-polyphosphate series blocks synaptic transmission by preventing vesicular fusion: a squid giant synapse study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 12990-3	11.5	86
289	Phospholipid composition dependence of Ca ²⁺ -dependent phospholipid binding to the C2A domain of synaptotagmin IV. <i>Journal of Biological Chemistry</i> , 1996 , 271, 8430-4	5.4	80
288	Characterization of the pleckstrin homology domain of Btk as an inositol polyphosphate and phosphoinositide binding domain. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 236, 333-9	3.4	79
287	The C2B domain of rabphilin directly interacts with SNAP-25 and regulates the docking step of dense core vesicle exocytosis in PC12 cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 39253-9	5.4	79
286	Broad-minded links cell cycle-related kinase to cilia assembly and hedgehog signal transduction. <i>Developmental Cell</i> , 2010 , 18, 237-47	10.2	77
285	Rabphilin and Noc2 are recruited to dense-core vesicles through specific interaction with Rab27A in PC12 cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 13065-75	5.4	77
284	NDR2-mediated Rabin8 phosphorylation is crucial for ciliogenesis by switching binding specificity from phosphatidylserine to Sec15. <i>EMBO Journal</i> , 2013 , 32, 874-85	13	75
283	Novel splicing isoforms of synaptotagmin-like proteins 2 and 3: identification of the Slp homology domain. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 283, 513-9	3.4	75
282	Slp4-a/granuphilin-a regulates dense-core vesicle exocytosis in PC12 cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 39673-8	5.4	73
281	Distinct roles of C2A and C2B domains of synaptotagmin in the regulation of exocytosis in adrenal chromaffin cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 287-91	11.5	72
280	Slp1 and Slp2-a localize to the plasma membrane of CTL and contribute to secretion from the immunological synapse. <i>Traffic</i> , 2008 , 9, 446-57	5.7	72

279	Synaptotagmin VI participates in the acrosome reaction of human spermatozoa. <i>Developmental Biology</i> , 2001 , 235, 521-9	3.1	72
278	Structure-function relationships of the mouse Gap1m. Determination of the inositol 1,3,4,5-tetrakisphosphate-binding domain. <i>Journal of Biological Chemistry</i> , 1996 , 271, 18838-42	5.4	72
277	BCA2/Rabring7 promotes tetherin-dependent HIV-1 restriction. <i>PLoS Pathogens</i> , 2009 , 5, e1000700	7.6	71
276	Identification of EPI64 as a GTPase-activating protein specific for Rab27A. <i>Journal of Biological Chemistry</i> , 2006 , 281, 31823-31	5.4	71
275	Identification of molecular heterogeneity in SNX27-retromer-mediated endosome-to-plasma-membrane recycling. <i>Journal of Cell Science</i> , 2014 , 127, 4940-53	5.3	69
274	Rab family of small GTPases: an updated view on their regulation and functions. <i>FEBS Journal</i> , 2021 , 288, 36-55	5.7	69
273	Small GTPase Rab12 regulates constitutive degradation of transferrin receptor. <i>Traffic</i> , 2011 , 12, 1432-43	5.7	68
272	Atg16L2, a novel isoform of mammalian Atg16L that is not essential for canonical autophagy despite forming an Atg12B-16L2 complex. <i>Autophagy</i> , 2011 , 7, 1500-13	10.2	68
271	Synaptotagmin VII is targeted to dense-core vesicles and regulates their Ca ²⁺ -dependent exocytosis in PC12 cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 52677-84	5.4	68
270	SYNCRIP, a cytoplasmic counterpart of heterogeneous nuclear ribonucleoprotein R, interacts with ubiquitous synaptotagmin isoforms. <i>Journal of Biological Chemistry</i> , 2000 , 275, 9823-31	5.4	67
269	Synaptotagmin-like protein 5: a novel Rab27A effector with C-terminal tandem C2 domains. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 899-906	3.4	66
268	The recycling endosome protein Rab17 regulates melanocytic filopodia formation and melanosome trafficking. <i>Traffic</i> , 2011 , 12, 627-43	5.7	65
267	Distinct self-oligomerization activities of synaptotagmin family. Unique calcium-dependent oligomerization properties of synaptotagmin VII. <i>Journal of Biological Chemistry</i> , 2000 , 275, 28180-5	5.4	65
266	Rab27 and its effectors in secretory granule exocytosis: a novel docking machinery composed of a Rab27.effector complex. <i>Biochemical Society Transactions</i> , 2006 , 34, 691-5	5.1	64
265	Synaptotagmin-like protein (Slp) homology domain 1 of Slac2-a/melanophilin is a critical determinant of GTP-dependent specific binding to Rab27A. <i>Journal of Biological Chemistry</i> , 2002 , 277, 40118-24	5.4	64
264	Rab35 promotes the recruitment of Rab8, Rab13 and Rab36 to recycling endosomes through MICAL-L1 during neurite outgrowth. <i>Biology Open</i> , 2014 , 3, 803-14	2.2	62
263	Rab35 regulates phagosome formation through recruitment of ACAP2 in macrophages during FcR-mediated phagocytosis. <i>Journal of Cell Science</i> , 2011 , 124, 3557-67	5.3	62
262	Role of the conserved WHXL motif in the C terminus of synaptotagmin in synaptic vesicle docking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 14715-9	11.5	62

261	Synaptotagmin is an inositol polyphosphate binding protein: isolation and characterization as an Ins 1,3,4,5-P4 binding protein. <i>Biochemical and Biophysical Research Communications</i> , 1994 , 205, 1036-42	3.4	62
260	Synaptotagmin IV is present at the Golgi and distal parts of neurites. <i>Journal of Neurochemistry</i> , 2000 , 74, 518-26	6	61
259	Synaptotagmin V is targeted to dense-core vesicles that undergo calcium-dependent exocytosis in PC12 cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 24499-505	5.4	61
258	Regulation of podocalyxin trafficking by Rab small GTPases in 2D and 3D epithelial cell cultures. <i>Journal of Cell Biology</i> , 2016 , 213, 355-69	7.3	61
257	Exome sequencing reveals a homozygous SYT14 mutation in adult-onset, autosomal-recessive spinocerebellar ataxia with psychomotor retardation. <i>American Journal of Human Genetics</i> , 2011 , 89, 320-7	11	60
256	The Slp4-a linker domain controls exocytosis through interaction with Munc18-1.syntaxin-1a complex. <i>Molecular Biology of the Cell</i> , 2006 , 17, 2101-12	3.5	60
255	A complete Rab screening reveals novel insights in Weibel-Palade body exocytosis. <i>Journal of Cell Science</i> , 2012 , 125, 4780-90	5.3	59
254	Rab12 regulates mTORC1 activity and autophagy through controlling the degradation of amino-acid transporter PAT4. <i>EMBO Reports</i> , 2013 , 14, 450-7	6.5	59
253	Genome-wide investigation of the Rab binding activity of RUN domains: development of a novel tool that specifically traps GTP-Rab35. <i>Cell Structure and Function</i> , 2011 , 36, 155-70	2.2	59
252	Structural basis for the exclusive specificity of Slac2-a/melanophilin for the Rab27 GTPases. <i>Structure</i> , 2008 , 16, 1478-90	5.2	58
251	Plasmalemmal repair of severed neurites of PC12 cells requires Ca(2+) and synaptotagmin. <i>Journal of Neuroscience Research</i> , 2000 , 62, 566-73	4.4	58
250	Roles of synaptotagmin C2 domains in neurotransmitter secretion and inositol high-polyphosphate binding at mammalian cholinergic synapses. <i>Neuroscience</i> , 1997 , 77, 937-43	3.9	57
249	Genetic screen in Drosophila muscle identifies autophagy-mediated T-tubule remodeling and a Rab2 role in autophagy. <i>ELife</i> , 2017 , 6,	8.9	57
248	The Rab interacting lysosomal protein (RILP) homology domain functions as a novel effector domain for small GTPase Rab36: Rab36 regulates retrograde melanosome transport in melanocytes. <i>Journal of Biological Chemistry</i> , 2012 , 287, 28619-31	5.4	56
247	Slp4-a/granuphilin-a inhibits dense-core vesicle exocytosis through interaction with the GDP-bound form of Rab27A in PC12 cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 15390-6	5.4	56
246	Mechanism of the SDS-resistant synaptotagmin clustering mediated by the cysteine cluster at the interface between the transmembrane and spacer domains. <i>Journal of Biological Chemistry</i> , 2001 , 276, 40319-25	5.4	56
245	Alternative splicing isoforms of synaptotagmin VII in the mouse, rat and human. <i>Biochemical Journal</i> , 2002 , 365, 173-80	3.8	55
244	Structure-function analysis of VPS9-ankyrin-repeat protein (Varp) in the trafficking of tyrosinase-related protein 1 in melanocytes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 7507-21	5.4	54

243	LMTK1/AATYK1 is a novel regulator of axonal outgrowth that acts via Rab11 in a Cdk5-dependent manner. <i>Journal of Neuroscience</i> , 2012 , 32, 6587-99	6.6	54
242	Axolemmal repair requires proteins that mediate synaptic vesicle fusion. <i>Journal of Neurobiology</i> , 2000 , 44, 382-91		53
241	Rabin8 regulates neurite outgrowth in both GEF activity-dependent and -independent manners. <i>Molecular Biology of the Cell</i> , 2016 , 27, 2107-18	3.5	52
240	Atg16L1, an essential factor for canonical autophagy, participates in hormone secretion from PC12 cells independently of autophagic activity. <i>Molecular Biology of the Cell</i> , 2012 , 23, 3193-202	3.5	51
239	Cholesterol controls lipid endocytosis through Rab11. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2667-77	3.5	51
238	Characterization of the molecular defects in Rab27a, caused by RAB27A missense mutations found in patients with Griscelli syndrome. <i>Journal of Biological Chemistry</i> , 2003 , 278, 11386-92	5.4	51
237	Plasmalemmal sealing of transected mammalian neurites is a gradual process mediated by Ca(2+)-regulated proteins. <i>Journal of Neuroscience Research</i> , 2003 , 74, 541-51	4.4	51
236	Rab13 acts downstream of the kinase Mst1 to deliver the integrin LFA-1 to the cell surface for lymphocyte trafficking. <i>Science Signaling</i> , 2014 , 7, ra72	8.8	50
235	Role of synaptotagmin, a Ca ²⁺ and inositol polyphosphate binding protein, in neurotransmitter release and neurite outgrowth. <i>Chemistry and Physics of Lipids</i> , 1999 , 98, 59-67	3.7	50
234	Rab35 establishes the EHD1-association site by coordinating two distinct effectors during neurite outgrowth. <i>Journal of Cell Science</i> , 2013 , 126, 2424-35	5.3	48
233	Role of Rab family GTPases and their effectors in melanosomal logistics. <i>Journal of Biochemistry</i> , 2012 , 151, 343-51	3.1	48
232	Slp4-a/granuphilin-a interacts with syntaxin-2/3 in a Munc18-2-dependent manner. <i>Journal of Biological Chemistry</i> , 2005 , 280, 39175-84	5.4	48
231	Molecular cloning, expression, and characterization of a novel class of synaptotagmin (Syt XIV) conserved from Drosophila to humans. <i>Journal of Biochemistry</i> , 2003 , 133, 641-9	3.1	46
230	Slac2-a/melanophilin contains multiple PEST-like sequences that are highly sensitive to proteolysis. <i>Journal of Biological Chemistry</i> , 2004 , 279, 22314-21	5.4	46
229	Adenovirus-mediated silencing of synaptotagmin 9 inhibits Ca ²⁺ -dependent insulin secretion in islets. <i>FEBS Letters</i> , 2005 , 579, 5241-6	3.8	44
228	Membrane topogenesis of a type I signal-anchor protein, mouse synaptotagmin II, on the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2000 , 150, 719-30	7.3	44
227	Melanoregulin regulates retrograde melanosome transport through interaction with the RILP-p150Glued complex in melanocytes. <i>Journal of Cell Science</i> , 2012 , 125, 1508-18	5.3	43
226	The primate-specific protein TBC1D3 is required for optimal macropinocytosis in a novel ARF6-dependent pathway. <i>Molecular Biology of the Cell</i> , 2008 , 19, 1304-16	3.5	43

225	Calcium-dependent phospholipid binding to the C2A domain of a ubiquitous form of double C2 protein (Doc2 beta). <i>Journal of Biochemistry</i> , 1996 , 120, 671-6	3.1	43
224	Multiple Types of Guanine Nucleotide Exchange Factors (GEFs) for Rab Small GTPases. <i>Cell Structure and Function</i> , 2016 , 41, 61-79	2.2	42
223	Lys-63-linked ubiquitination by E3 ubiquitin ligase Nedd4-1 facilitates endosomal sequestration of internalized synuclein. <i>Journal of Biological Chemistry</i> , 2014 , 289, 18137-51	5.4	42
222	Rab33a mediates anterograde vesicular transport for membrane exocytosis and axon outgrowth. <i>Journal of Neuroscience</i> , 2012 , 32, 12712-25	6.6	42
221	Synaptotagmin VII splice variants alpha, beta, and delta are expressed in pancreatic beta-cells and regulate insulin exocytosis. <i>FASEB Journal</i> , 2008 , 22, 194-206	0.9	42
220	Characterization of KIAA1427 protein as an atypical synaptotagmin (Syt XIII). <i>Biochemical Journal</i> , 2001 , 354, 249-257	3.8	42
219	Identification and characterization of a novel Tre-2/Bub2/Cdc16 (TBC) protein that possesses Rab3A-GAP activity. <i>Genes To Cells</i> , 2009 , 14, 41-52	2.3	41
218	Direct link between Atg protein and small GTPase Rab: Atg16L functions as a potential Rab33 effector in mammals. <i>Autophagy</i> , 2008 , 4, 824-6	10.2	41
217	Rab27a regulates exocytosis of tertiary and specific granules in human neutrophils. <i>Journal of Immunology</i> , 2008 , 181, 3793-803	5.3	41
216	Human RME-8 is involved in membrane trafficking through early endosomes. <i>Cell Structure and Function</i> , 2008 , 33, 35-50	2.2	41
215	Constitutive GDP/GTP exchange and secretion-dependent GTP hydrolysis activity for Rab27 in platelets. <i>Journal of Biological Chemistry</i> , 2006 , 281, 28657-65	5.4	41
214	Missense mutations in the globular tail of myosin-Va in dilute mice partially impair binding of Slac2-a/melanophilin. <i>Journal of Cell Science</i> , 2004 , 117, 583-91	5.3	41
213	Analysis of the role of Rab27 effector Slp4-a/Granuphilin-a in dense-core vesicle exocytosis. <i>Methods in Enzymology</i> , 2005 , 403, 445-57	1.7	41
212	Inositol 1,3,4,5-tetrakisphosphate binding activities of neuronal and non-neuronal synaptotagmins. Identification of conserved amino acid substitutions that abolish inositol 1,3,4,5-tetrakisphosphate binding to synaptotagmins III, V, and X. <i>Journal of Biological Chemistry</i> , 1998 , 273, 12267-73	5.4	41
211	Synaptotagmin I and IV define distinct populations of neuronal transport vesicles. <i>European Journal of Neuroscience</i> , 2000 , 12, 1294-302	3.5	40
210	Molecular mechanism of myosin Va recruitment to dense core secretory granules. <i>Traffic</i> , 2012 , 13, 54-69	9.7	39
209	Regulation by bivalent cations of phospholipid binding to the C2A domain of synaptotagmin III. <i>Biochemical Journal</i> , 1997 , 323 (Pt 2), 421-5	3.8	39
208	Functional significance of repressor element 1 silencing transcription factor (REST) target genes in pancreatic beta cells. <i>Diabetologia</i> , 2008 , 51, 1429-39	10.3	39

207	Decreased basal mucus secretion by Slp2-a-deficient gastric surface mucous cells. <i>Genes To Cells</i> , 2006 , 11, 623-31	2:3	39
206	RNA interference-mediated silencing of synaptotagmin IX, but not synaptotagmin I, inhibits dense-core vesicle exocytosis in PC12 cells. <i>Biochemical Journal</i> , 2004 , 380, 875-9	3:8	39
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