

Ken Sato

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

11,536
citations

117625

34
h-index

128289

60
g-index

65
all docs

65
docs citations

65
times ranked

23859
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	Degradation of Paternal Mitochondria by Fertilization-Triggered Autophagy in <i>C. elegans</i> Embryos. <i>Science</i> , 2011, 334, 1141-1144.	12.6	394
4	Maternal inheritance of mitochondrial DNA by diverse mechanisms to eliminate paternal mitochondrial DNA. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1979-1984.	4.1	206
5	A dominant negative mutant of Sar1 GTPase inhibits protein transport from the endoplasmic reticulum to the Golgi apparatus in tobacco and Arabidopsis cultured cells. <i>Plant Journal</i> , 2000, 23, 517-525.	5.7	185
6	Mechanisms of COPII vesicle formation and protein sorting. <i>FEBS Letters</i> , 2007, 581, 2076-2082.	2.8	184
7	Regulation of endocytic recycling by <i>C. elegans</i> Rab35 and its regulator RME-4, a coated-pit protein. <i>EMBO Journal</i> , 2008, 27, 1183-1196.	7.8	160
8	The Yeast <i>RER2</i> Gene, Identified by Endoplasmic Reticulum Protein Localization Mutations, Encodes <i>cis</i> -Prenyltransferase, a Key Enzyme in Dolichol Synthesis. <i>Molecular and Cellular Biology</i> , 1999, 19, 471-483.	2.3	150
9	<i>Caenorhabditis elegans</i> RME-6 is a novel regulator of RAB-5 at the clathrin-coated pit. <i>Nature Cell Biology</i> , 2005, 7, 559-569.	10.3	144
10	Dissection of COPII subunit-cargo assembly and disassembly kinetics during Sar1p-GTP hydrolysis. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 167-174.	8.2	139
11	Rer1p, a Retrieval Receptor for Endoplasmic Reticulum Membrane Proteins, Is Dynamically Localized to the Golgi Apparatus by Coatomer. <i>Journal of Cell Biology</i> , 2001, 152, 935-944.	5.2	135
12	Plant Vacuolar Trafficking Occurs through Distinctly Regulated Pathways. <i>Current Biology</i> , 2014, 24, 1375-1382.	3.9	129
13	Guidelines for monitoring autophagy in <i>Caenorhabditis elegans</i> . <i>Autophagy</i> , 2015, 11, 9-27.	9.1	119
14	Structural insights into tetraspanin CD9 function. <i>Nature Communications</i> , 2020, 11, 1606.	12.8	114
15	Dynamic Regulation of Caveolin-1 Trafficking in the Germ Line and Embryo of <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2006, 17, 3085-3094.	2.1	106
16	Emp47p and Its Close Homolog Emp46p Have a Tyrosine-containing Endoplasmic Reticulum Exit Signal and Function in Glycoprotein Secretion in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2002, 13, 2518-2532.	2.1	100
17	Rer1p, a Retrieval Receptor for ER Membrane Proteins, Recognizes Transmembrane Domains in Multiple Modes. <i>Molecular Biology of the Cell</i> , 2003, 14, 3605-3616.	2.1	90
18	Rab11 is required for synchronous secretion of chondroitin proteoglycans after fertilization in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Science</i> , 2008, 121, 3177-3186.	2.0	90

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19	Maternal inheritance of mitochondrial DNA. <i>Autophagy</i> , 2012, 8, 424-425.	9.1	78
20	Yeast <i>Saccharomyces cerevisiae</i> has two cis-prenyltransferases with different properties and localizations. Implication for their distinct physiological roles in dolichol synthesis. <i>Genes To Cells</i> , 2001, 6, 495-506.	1.2	77
21	Insights into structural and regulatory roles of Sec16 in COPII vesicle formation at ER exit sites. <i>Molecular Biology of the Cell</i> , 2012, 23, 2930-2942.	2.1	77
22	Multiple Roles of Arf1 GTPase in the Yeast Exocytic and Endocytic Pathways. <i>Molecular Biology of the Cell</i> , 2001, 12, 221-238.	2.1	70
23	<i>C. elegans</i> as a model for membrane traffic. <i>WormBook</i> , 2014, , 1-47.	5.3	70
24	Oligomerization of a Cargo Receptor Directs Protein Sorting into COPII-coated Transport Vesicles. <i>Molecular Biology of the Cell</i> , 2003, 14, 3055-3063.	2.1	63
25	Molecular mechanisms of Sar/Arf GTPases in vesicular trafficking in yeast and plants. <i>Frontiers in Plant Science</i> , 2014, 5, 411.	3.6	61
26	<i>Caenorhabditis elegans</i> SNAP-29 is required for organellar integrity of the endomembrane system and general exocytosis in intestinal epithelial cells. <i>Molecular Biology of the Cell</i> , 2011, 22, 2579-2587.	2.1	53
27	SFT-4/Surf4 control ER export of soluble cargo proteins and participate in ER exit site organization. <i>Journal of Cell Biology</i> , 2018, 217, 2073-2085.	5.2	52
28	REI-1 Is a Guanine Nucleotide Exchange Factor Regulating RAB-11 Localization and Function in <i>C.Âelegans</i> Embryos. <i>Developmental Cell</i> , 2015, 35, 211-221.	7.0	48
29	Reconstitution of Coat Protein Complex II (COPII) Vesicle Formation from Cargo-reconstituted Proteoliposomes Reveals the Potential Role of GTP Hydrolysis by Sar1p in Protein Sorting. <i>Journal of Biological Chemistry</i> , 2004, 279, 1330-1335.	3.4	47
30	Endoplasmic Reticulum Quality Control of Unassembled Iron Transporter Depends on Rer1p-mediated Retrieval from the Golgi. <i>Molecular Biology of the Cell</i> , 2004, 15, 1417-1424.	2.1	46
31	The autophagy receptor ALLO-1 and the IKKE-1 kinase control clearance of paternal mitochondria in <i>Caenorhabditis elegans</i> . <i>Nature Cell Biology</i> , 2018, 20, 81-91.	10.3	44
32	Multiple ways to prevent transmission of paternal mitochondrial DNA for maternal inheritance in animals. <i>Journal of Biochemistry</i> , 2017, 162, 247-253.	1.7	41
33	Synthesis and maintenance of lipid droplets are essential for mouse preimplantation embryonic development. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	40
34	Identification of Potential Regulatory Elements for the Transport of Emp24p. <i>Molecular Biology of the Cell</i> , 1998, 9, 3493-3503.	2.1	38
35	<i>Caenorhabditis elegans</i> chaperonin CCT/TRiC is required for actin and tubulin biogenesis and microvillus formation in intestinal epithelial cells. <i>Molecular Biology of the Cell</i> , 2014, 25, 3095-3104.	2.1	37
36	Rer1 and calnexin regulate endoplasmic reticulum retention of a peripheral myelin protein 22 mutant that causes type 1A Charcot-Marie-Tooth disease. <i>Scientific Reports</i> , 2014, 4, 6992.	3.3	36

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37	Functional Analysis of Lysosomes During Mouse Preimplantation Embryo Development. <i>Journal of Reproduction and Development</i> , 2013, 59, 33-39.	1.4	35
38	Dynamic Regulation of Autophagy and Endocytosis for Cell Remodeling During Early Development. <i>Traffic</i> , 2013, 14, 479-486.	2.7	30
39	Fertilization-induced K63-linked ubiquitylation mediates clearance of maternal membrane proteins. <i>Development (Cambridge)</i> , 2014, 141, 1324-1331.	2.5	29
40	Cargo receptor Surf4 regulates endoplasmic reticulum export of proinsulin in pancreatic β -cells. <i>Communications Biology</i> , 2022, 5, 458.	4.4	22
41	The Arabidopsis thaliana RER1 gene family: its potential role in the endoplasmic reticulum localization of membrane proteins. <i>Plant Molecular Biology</i> , 1999, 41, 815-824.	3.9	21
42	Opposing roles for SNAP23 in secretion in exocrine and endocrine pancreatic cells. <i>Journal of Cell Biology</i> , 2016, 215, 121-138.	5.2	21
43	Rer1p regulates the ER retention of immature rhodopsin and modulates its intracellular trafficking. <i>Scientific Reports</i> , 2014, 4, 5973.	3.3	19
44	Microscopic analysis of reconstituted COPII coat polymerization and Sec16 dynamics. <i>Journal of Cell Science</i> , 2017, 130, 2893-2902.	2.0	14
45	ERdj8 governs the size of autophagosomes during the formation process. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	14
46	Distribution of Sec24 isoforms to each ER exit site is dynamically regulated in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 2015, 589, 1234-1239.	2.8	11
47	Rer1-mediated quality control system is required for neural stem cell maintenance during cerebral cortex development. <i>PLoS Genetics</i> , 2018, 14, e1007647.	3.5	11
48	Clathrin-mediated endocytosis is essential for the selective degradation of maternal membrane proteins and preimplantation development. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	11
49	SNAP23 deficiency causes severe brain dysplasia through the loss of radial glial cell polarity. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	9
50	pH-Dependent Assembly and Segregation of the Coiled-Coil Segments of Yeast Putative Cargo Receptors Emp46p and Emp47p. <i>PLoS ONE</i> , 2015, 10, e0140287.	2.5	7
51	Structural basis of guanine nucleotide exchange for Rab11 by SH3BP5. <i>Life Science Alliance</i> , 2019, 2, e201900297.	2.8	7
52	Sec16 function in ER export and autophagy is independent of its phosphorylation in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2020, 31, 149-156.	2.1	5
53	Reconstitution of Cargo-Dependent COPII Coat Assembly on Proteoliposomes. <i>Methods in Enzymology</i> , 2005, 404, 83-94.	1.0	4
54	REI/SH3BP5 protein family: New GEFs for Rab11. <i>Cell Cycle</i> , 2016, 15, 767-769.	2.6	4

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55	Sec23 Homolog Nel1 Is a Novel GTPase-activating Protein for Sar1 but Does Not Function as a Subunit of the Coat Protein Complex II (COPII) Coat. <i>Journal of Biological Chemistry</i> , 2014, 289, 21423-21432.	3.4	3
56	Implication of a Novel Function of Sar1 in the Nucleus. <i>Cell Structure and Function</i> , 2019, 44, 105-112.	1.1	3
57	Multiple roles of endocytosis and autophagy in intracellular remodeling during oocyte-to-embryo transition. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2022, 98, 207-221.	3.8	3
58	REI-1, a Novel Rab11 GEF with a SH3BP5 domain. <i>Communicative and Integrative Biology</i> , 2016, 9, e1208325.	1.4	2
59	Monitoring of Paternal Mitochondrial Degradation in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017, 1759, 133-140.	0.9	2
60	Significance of the association between early embryonic development and endocytosis. <i>Medical Molecular Morphology</i> , 0, , .	1.0	1
61	3P-215 Exclusion of non-transport protein on COPII vesicle formation process(The 46th Annual) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.1	0
62	1SP6-01 Visualization of COPII vesicle formation process reconstituted in the artificial lipid bilayer.(1SP6 Membrane transformers!! : The combine and the dissociation to change the shape of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 S7-S8.	0.1	0
63	Sec16 at transitional ER sites: Still a model (retrospective on DOI 10.1002/bies.201300131). <i>BioEssays</i> , 2016, 38, 940-940.	2.5	0