Ken Sato

List of Publications by Year
in descending order

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	Multiple roles of endocytosis and autophagy in intracellular remodeling during oocyte-to-embryo transition. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2022, 98, 207-221.	3.8	3
2	Cargo receptor Surf4 regulates endoplasmic reticulum export of proinsulin in pancreatic Î²-cells. Communications Biology, 2022, 5, 458.	4.4	22
3	Clathrin-mediated endocytosis is essential for the selective degradation of maternal membrane proteins and preimplantation development. Development (Cambridge), 2021, 148, .	2.5	11
4	SNAP23 deficiency causes severe brain dysplasia through the loss of radial glial cell polarity. Journal of Cell Biology, 2021, 220, .	5.2	9
5	Sec16 function in ER export and autophagy is independent of its phosphorylation inSaccharomyces cerevisiae. Molecular Biology of the Cell, 2020, 31, 149-156.	2.1	5
6	Structural insights into tetraspanin CD9 function. Nature Communications, 2020, 11, 1606.	12.8	114
7	ERdj8 governs the size of autophagosomes during the formation process. Journal of Cell Biology, 2020, 219, .	5.2	14
8	Implication of a Novel Function of Sar1 in the Nucleus. Cell Structure and Function, 2019, 44, 105-112.	1.1	3
9	Synthesis and maintenance of lipid droplets are essential for mouse preimplantation embryonic development. Development (Cambridge), 2019, 146, .	2.5	40
10	Structural basis of guanine nucleotide exchange for Rab11 by SH3BP5. Life Science Alliance, 2019, 2, e201900297.	2.8	7
11	SFT-4/Surf4 control ER export of soluble cargo proteins and participate in ER exit site organization. Journal of Cell Biology, 2018, 217, 2073-2085.	5.2	52
12	The autophagy receptor ALLO-1 and the IKKE-1 kinase control clearance of paternal mitochondria in Caenorhabditis elegans. Nature Cell Biology, 2018, 20, 81-91.	10.3	44
13	Rer1-mediated quality control system is required for neural stem cell maintenance during cerebral cortex development. PLoS Genetics, 2018, 14, e1007647.	3.5	11
14	Monitoring of Paternal Mitochondrial Degradation in Caenorhabditis elegans. Methods in Molecular Biology, 2017, 1759, 133-140.	0.9	2
15	Microscopic analysis of reconstituted COPII coat polymerization and Sec16 dynamics. Journal of Cell Science, 2017, 130, 2893-2902.	2.0	14
16	Multiple ways to prevent transmission of paternal mitochondrial DNA for maternal inheritance in animals. Journal of Biochemistry, 2017, 162, 247-253.	1.7	41
17	REI-1, a Novel Rab11 GEF with a SH3BP5 domain. Communicative and Integrative Biology, 2016, 9, e1208325.	1.4	2
18	Opposing roles for SNAP23 in secretion in exocrine and endocrine pancreatic cells. Journal of Cell Biology, 2016, 215, 121-138.	5.2	21

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19	Sec16 at transitional ER sites: Still a model (retrospective on DOI 10.1002/bies.201300131). BioEssays, 2016, 38, 940-940.	2.5	0
20	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
21	REI/SH3BP5 protein family: New GEFs for Rab11. Cell Cycle, 2016, 15, 767-769.	2.6	4
22	Distribution of Sec24 isoforms to each ER exit site is dynamically regulated in Saccharomyces cerevisiae. FEBS Letters, 2015, 589, 1234-1239.	2.8	11
23	REI-1 Is a Guanine Nucleotide Exchange Factor Regulating RAB-11 Localization and Function in C.Âelegans Embryos. Developmental Cell, 2015, 35, 211-221.	7.0	48
24	Guidelines for monitoring autophagy in Caenorhabditis elegans. Autophagy, 2015, 11, 9-27.	9.1	119
25	pH-Dependent Assembly and Segregation of the Coiled-Coil Segments of Yeast Putative Cargo Receptors Emp46p and Emp47p. PLoS ONE, 2015, 10, e0140287.	2.5	7
26	Molecular mechanisms of Sar/Arf GTPases in vesicular trafficking in yeast and plants. Frontiers in Plant Science, 2014, 5, 411.	3.6	61
27	Caenorhabditis eleganschaperonin CCT/TRiC is required for actin and tubulin biogenesis and microvillus formation in intestinal epithelial cells. Molecular Biology of the Cell, 2014, 25, 3095-3104.	2.1	37
28	Fertilization-induced K63-linked ubiquitylation mediates clearance of maternal membrane proteins. Development (Cambridge), 2014, 141, 1324-1331.	2.5	29
29	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. Journal of Biological Chemistry, 2014, 289, 21423-21432.	3.4	3
30	Plant Vacuolar Trafficking Occurs through Distinctly Regulated Pathways. Current Biology, 2014, 24, 1375-1382.	3.9	129
31	Rer1 and calnexin regulate endoplasmic reticulum retention of a peripheral myelin protein 22 mutant that causes type 1A Charcot-Marie-Tooth disease. Scientific Reports, 2014, 4, 6992.	3.3	36
32	Rer1p regulates the ER retention of immature rhodopsin and modulates its intracellular trafficking. Scientific Reports, 2014, 4, 5973.	3.3	19
33	C. elegans as a model for membrane traffic. WormBook, 2014, , 1-47.	5.3	70
34	Maternal inheritance of mitochondrial DNA by diverse mechanisms to eliminate paternal mitochondrial DNA. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1979-1984.	4.1	206
35	Dynamic Regulation of Autophagy and Endocytosis for Cell Remodeling During Early Development. Traffic, 2013, 14, 479-486.	2.7	30
36	Functional Analysis of Lysosomes During Mouse Preimplantation Embryo Development. Journal of Reproduction and Development, 2013, 59, 33-39.	1.4	35

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37	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
38	Maternal inheritance of mitochondrial DNA. Autophagy, 2012, 8, 424-425.	9.1	78
39	Insights into structural and regulatory roles of Sec16 in COPII vesicle formation at ER exit sites. Molecular Biology of the Cell, 2012, 23, 2930-2942.	2.1	77
40	Caenorhabditis elegansSNAP-29 is required for organellar integrity of the endomembrane system and general exocytosis in intestinal epithelial cells. Molecular Biology of the Cell, 2011, 22, 2579-2587.	2.1	53
41	Degradation of Paternal Mitochondria by Fertilization-Triggered Autophagy in C. elegans Embryos. Science, 2011, 334, 1141-1144.	12.6	394
42	1SP6-01 Visualization of COPII vesicle formation process reconstituted in the artifical 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
43	Regulation of endocytic recycling by C. elegans Rab35 and its regulator RME-4, a coated-pit protein. EMBO Journal, 2008, 27, 1183-1196.	7.8	160
44	Rab11 is required for synchronous secretion of chondroitin proteoglycans after fertilization inCaenorhabditis elegans. Journal of Cell Science, 2008, 121, 3177-3186.	2.0	90
45	3P-215 Exclusion of non-transport protein on COPII vesicle formation process(The 46th Annual) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	0
46	Mechanisms of COPII vesicle formation and protein sorting. FEBS Letters, 2007, 581, 2076-2082.	2.8	184
47	Dynamic Regulation of Caveolin-1 Trafficking in the Germ Line and Embryo of Caenorhabditis elegans. Molecular Biology of the Cell, 2006, 17, 3085-3094.	2.1	106
48	Dissection of COPII subunit-cargo assembly and disassembly kinetics during Sar1p-GTP hydrolysis. Nature Structural and Molecular Biology, 2005, 12, 167-174.	8.2	139
49	Caenorhabditis elegans RME-6 is a novel regulator of RAB-5 at the clathrin-coated pit. Nature Cell Biology, 2005, 7, 559-569.	10.3	144
50	Reconstitution of Cargoâ€Dependent COPII Coat Assembly on Proteoliposomes. Methods in Enzymology, 2005, 404, 83-94.	1.0	4
51	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. Journal of Biological Chemistry, 2004, 279, 1330-1335.	3.4	47
52	Endoplasmic Reticulum Quality Control of Unassembled Iron Transporter Depends on Rer1p-mediated Retrieval from the Golgi. Molecular Biology of the Cell, 2004, 15, 1417-1424.	2.1	46
53	Rer1p, a Retrieval Receptor for ER Membrane Proteins, Recognizes Transmembrane Domains in Multiple Modes. Molecular Biology of the Cell, 2003, 14, 3605-3616.	2.1	90
54	Oligomerization of a Cargo Receptor Directs Protein Sorting into COPII-coated Transport Vesicles. Molecular Biology of the Cell, 2003, 14, 3055-3063.	2.1	63

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55	Emp47p and Its Close Homolog Emp46p Have a Tyrosine-containing Endoplasmic Reticulum Exit Signal and Function in Glycoprotein Secretion inSaccharomyces cerevisiae. Molecular Biology of the Cell, 2002, 13, 2518-2532.	2.1	100
56	YeastSaccharomyces cerevisiaehas twocis-prenyltransferases with different properties and localizations. Implication for their distinct physiological roles in dolichol synthesis. Genes To Cells, 2001, 6, 495-506.	1.2	77
57	Rer1p, a Retrieval Receptor for Endoplasmic Reticulum Membrane Proteins, Is Dynamically Localized to the Golgi Apparatus by Coatomer. Journal of Cell Biology, 2001, 152, 935-944.	5.2	135
58	Multiple Roles of Arf1 GTPase in the Yeast Exocytic and Endocytic Pathways. Molecular Biology of the Cell, 2001, 12, 221-238.	2.1	70
59	A dominant negative mutant of Sar1 GTPase inhibits protein transport from the endoplasmic reticulum to the Golgi apparatus in tobacco and Arabidopsis cultured cells. Plant Journal, 2000, 23, 517-525.	5.7	185
60	The Arabidopsis thaliana RER1 gene family: its potential role in the endoplasmic reticulum localization of membrane proteins. Plant Molecular Biology, 1999, 41, 815-824.	3.9	21
61	The YeastRER2Gene, Identified by Endoplasmic Reticulum Protein Localization Mutations, Encodescis-Prenyltransferase, a Key Enzyme in Dolichol Synthesis. Molecular and Cellular Biology, 1999, 19, 471-483.	2.3	150
62	Identification of Potential Regulatory Elements for the Transport of Emp24p. Molecular Biology of the Cell, 1998, 9, 3493-3503.	2.1	38
63	Significance of the association between early embryonic development and endocytosis. Medical Molecular Morphology, 0, , .	1.0	1