

Miyuki Sato

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

11,169
citations

186265

28
h-index

289244

40
g-index

42
all docs

42
docs citations

42
times ranked

23021
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	Molecular mechanisms and physiological functions of mitophagy. <i>EMBO Journal</i> , 2021, 40, e104705.	7.8	553
4	Degradation of Paternal Mitochondria by Fertilization-Triggered Autophagy in <i>C. elegans</i> Embryos. <i>Science</i> , 2011, 334, 1141-1144.	12.6	394
5	The Rab8 GTPase regulates apical protein localization in intestinal cells. <i>Nature</i> , 2007, 448, 366-369.	27.8	307
6	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
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	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
11	Guidelines for monitoring autophagy in <i>Caenorhabditis elegans</i> . <i>Autophagy</i> , 2015, 11, 9-27.	9.1	119
12	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
13	The <i>Escherichia coli</i> Homologue of Yeast Rer2, a Key Enzyme of Dolichol Synthesis, Is Essential for Carrier Lipid Formation in Bacterial Cell Wall Synthesis. <i>Journal of Bacteriology</i> , 1999, 181, 2733-2738.	2.2	92
14	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
15	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
16	Maternal inheritance of mitochondrial DNA. <i>Autophagy</i> , 2012, 8, 424-425.	9.1	78
17	Yeast <i>Saccharomyces cerevisiae</i> has two <i>cis</i> -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
18	Differential requirements for clathrin in receptor-mediated endocytosis and maintenance of synaptic vesicle pools. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1139-1144.	7.1	75

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19	C. elegans as a model for membrane traffic. WormBook, 2014, , 1-47.	5.3	70
20	<i>Caenorhabditis elegans</i> SNAP-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
21	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
22	REI-1 Is a Guanine Nucleotide Exchange Factor Regulating RAB-11 Localization and Function in <i>C.Âelegans</i> Embryos. Developmental Cell, 2015, 35, 211-221.	7.0	48
23	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
24	The autophagy receptor ALLO-1 and the IKKE-1 kinase control clearance of paternal mitochondria in <i>Caenorhabditis elegans</i> . Nature Cell Biology, 2018, 20, 81-91.	10.3	44
25	Multiple ways to prevent transmission of paternal mitochondrial DNA for maternal inheritance in animals. Journal of Biochemistry, 2017, 162, 247-253.	1.7	41
26	<i>Caenorhabditis</i> <i>elegans</i> chaperonin 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
27	Dynamic Regulation of Autophagy and Endocytosis for Cell Remodeling During Early Development. Traffic, 2013, 14, 479-486.	2.7	30
28	Intracellular trafficking. WormBook, 2006, , 1-9.	5.3	30
29	Fertilization-induced K63-linked ubiquitylation mediates clearance of maternal membrane proteins. Development (Cambridge), 2014, 141, 1324-1331.	2.5	29
30	Evidence for the intimate relationship between vesicle budding from the ER and the unfolded protein response. Biochemical and Biophysical Research Communications, 2002, 296, 560-567.	2.1	24
31	Rer1p regulates the ER retention of immature rhodopsin and modulates its intracellular trafficking. Scientific Reports, 2014, 4, 5973.	3.3	19
32	ERdj8 governs the size of autophagosomes during the formation process. Journal of Cell Biology, 2020, 219, .	5.2	14
33	Degradation of paternal mitochondria via mitophagy. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129886.	2.4	9
34	Dynamic rearrangement and autophagic degradation of mitochondria during spermiogenesis in the liverwort <i>Marchantia polymorpha</i> . Cell Reports, 2022, 39, 110975.	6.4	7
35	Syntaxin 17, an ancient SNARE paralog, plays different and conserved roles in different organisms. Journal of Cell Science, 2021, 134, .	2.0	6
36	REI/SH3BP5 protein family: New GEFs for Rab11. Cell Cycle, 2016, 15, 767-769.	2.6	4

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37	REI-1, a Novel Rab11 GEF with a SH3BP5 domain. <i>Communicative and Integrative Biology</i> , 2016, 9, e1208325.	1.4	2
38	Monitoring of Paternal Mitochondrial Degradation in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017, 1759, 133-140.	0.9	2
39	Purification, crystallization and preliminary X-ray diffraction analysis of the yeast Sec12 ¹ p protein, a guanine nucleotide-exchange factor involved in vesicle transport. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 893-895.	2.5	1
40	Fertilization Triggers Remodeling of Cellular Components via Lysosomal Degradation. <i>Journal of the Society of Japanese Women Scientists</i> , 2013, 13, 9-13.	0.0	0