

Miyuki Sato

List of Publications by Year in descending order

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40
papers

11,169
citations

186265

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289244

40
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docs citations

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times ranked

23021
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic rearrangement and autophagic degradation of mitochondria during spermiogenesis in the liverwort <i>Marchantia polymorpha</i> . <i>Cell Reports</i> , 2022, 39, 110975.	6.4	7
2	Molecular mechanisms and physiological functions of mitophagy. <i>EMBO Journal</i> , 2021, 40, e104705.	7.8	553
3	Degradation of paternal mitochondria via mitophagy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129886.	2.4	9
4	Syntaxin 17, an ancient SNARE paralog, plays different and conserved roles in different organisms. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	6
5	ERdj8 governs the size of autophagosomes during the formation process. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	14
6	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
7	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
8	Monitoring of Paternal Mitochondrial Degradation in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017, 1759, 133-140.	0.9	2
9	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
10	REI-1, a Novel Rab11 GEF with a SH3BP5 domain. <i>Communicative and Integrative Biology</i> , 2016, 9, e1208325.	1.4	2
11	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
12	REI/SH3BP5 protein family: New GEFs for Rab11. <i>Cell Cycle</i> , 2016, 15, 767-769.	2.6	4
13	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
14	Guidelines for monitoring autophagy in <i>Caenorhabditis elegans</i> . <i>Autophagy</i> , 2015, 11, 9-27.	9.1	119
15	<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
16	Fertilization-induced K63-linked ubiquitylation mediates clearance of maternal membrane proteins. <i>Development (Cambridge)</i> , 2014, 141, 1324-1331.	2.5	29
17	Rer1p regulates the ER retention of immature rhodopsin and modulates its intracellular trafficking. <i>Scientific Reports</i> , 2014, 4, 5973.	3.3	19
18	<i>C. elegans</i> as a model for membrane traffic. <i>WormBook</i> , 2014, , 1-47.	5.3	70

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19	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
20	Dynamic Regulation of Autophagy and Endocytosis for Cell Remodeling During Early Development. <i>Traffic</i> , 2013, 14, 479-486.	2.7	30
21	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
22	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
23	Maternal inheritance of mitochondrial DNA. <i>Autophagy</i> , 2012, 8, 424-425.	9.1	78
24	<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
25	Degradation of Paternal Mitochondria by Fertilization-Triggered Autophagy in <i>C. elegans</i> Embryos. <i>Science</i> , 2011, 334, 1141-1144.	12.6	394
26	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
27	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
28	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
29	The Rab8 GTPase regulates apical protein localization in intestinal cells. <i>Nature</i> , 2007, 448, 366-369.	27.8	307
30	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
31	Intracellular trafficking. <i>WormBook</i> , 2006, , 1-9.	5.3	30
32	<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
33	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
34	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
35	Evidence for the intimate relationship between vesicle budding from the ER and the unfolded protein response. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 560-567.	2.1	24
36	Purification, crystallization and preliminary X-ray diffraction analysis of the yeast Sec12 ^{HP} 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

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37	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
38	Rer1p, a Retrieval Receptor for Endoplasmic Reticulum Membrane Proteins, Is Dynamically Localized to the Golgi Apparatus by Coatamer. <i>Journal of Cell Biology</i> , 2001, 152, 935-944.	5.2	135
39	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
40	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