Reika Watanabe

List of Publications by Citations

34	1,766	22	42
papers	citations	h-index	g-index
49	2,052	9.8	4.24
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
34	A photoactivable multi-inhibitor nanoliposome for tumour control and simultaneous inhibition of treatment escape pathways. *Nature Nanotechnology*, **2016**, 11, 378-87	28.7	169
33	Concentration of GPI-anchored proteins upon ER exit in yeast. *Traffic*, **2009**, 10, 186-200	5.7	134
32	Multiple functions of sterols in yeast endocytosis. *Molecular Biology of the Cell*, **2002**, 13, 2664-80	3.5	131
31	Expression cloning of PIG-L, a candidate N-acetylglucosaminyl-phosphatidylinositol deacetylase. *Journal of Biological Chemistry*, **1997**, 272, 15834-40	5.4	118
30	Pig-n, a mammalian homologue of yeast Mcd4p, is involved in transferring phosphoethanolamine to the first mannose of the glycosylphosphatidylinositol. *Journal of Biological Chemistry*, **1999**, 274, 35099-106	5.4	109
29	The yeast p24 complex regulates GPI-anchored protein transport and quality control by monitoring anchor remodeling. *Molecular Biology of the Cell*, **2011**, 22, 2924-36	3.5	93
28	Sorting of GPI-anchored proteins into ER exit sites by p24 proteins is dependent on remodeled GPI. *Journal of Cell Biology*, **2011**, 194, 61-75	7.3	91
27	Yeast ARV1 is required for efficient delivery of an early GPI intermediate to the first mannosyltransferase during GPI assembly and controls lipid flow from the endoplasmic reticulum. *Molecular Biology of the Cell*, **2008**, 19, 2069-82	3.5	84
26	Sphingolipids are required for the stable membrane association of glycosylphosphatidylinositol-anchored proteins in yeast. *Journal of Biological Chemistry*, **2002**, 277, 49538-44	5.4	84
25	PIG-C, one of the three human genes involved in the first step of glycosylphosphatidylinositol biosynthesis is a homologue of Saccharomyces cerevisiae GPI2. *Biochemical and Biophysical Research Communications*, **1996**, 226, 193-9	3.4	81
24	PIG-A and PIG-H, which participate in glycosylphosphatidylinositol anchor biosynthesis, form a protein complex in the endoplasmic reticulum. *Journal of Biological Chemistry*, **1996**, 271, 26868-75	5.4	72
23	Requirement of PIG-F and PIG-O for transferring phosphoethanolamine to the third mannose in glycosylphosphatidylinositol. *Journal of Biological Chemistry*, **2000**, 275, 20911-9	5.4	67
22	Structure of LRRK2 in Parkinson's disease and model for microtubule interaction. *Nature*, **2020**, 588, 344-349	50.4	60
21	The In Situ Structure of Parkinson's Disease-Linked LRRK2. *Cell*, **2020**, 182, 1508-1518.e16	56.2	57
20	Yeast Ras regulates the complex that catalyzes the first step in GPI-anchor biosynthesis at the ER. *Cell*, **2004**, 117, 637-48	56.2	54
19	Mammalian PIG-L and its yeast homologue Gpi12p areN-acetylglucosaminylphosphatidylinositol de-N-acetylases essential in glycosylphosphatidylinositol biosynthesis. *Biochemical Journal*, **1999**, 339, 185	3.8	52
18	Differential ER exit in yeast and mammalian cells. *Current Opinion in Cell Biology*, **2004**, 16, 350-5	9	47

17	Changes in molecular species profiles of glycosylphosphatidylinositol anchor precursors in early stages of biosynthesis. *Journal of Lipid Research*, **2007**, 48, 1599-606	6.3	40
16	Preparing samples from whole cells using focused-ion-beam milling for cryo-electron tomography. *Nature Protocols*, **2020**, 15, 2041-2070	18.8	38
15	GPI1 stabilizes an enzyme essential in the first step of glycosylphosphatidylinositol biosynthesis. *Journal of Biological Chemistry*, **1999**, 274, 18582-8	5.4	29
14	Exit of GPI-anchored proteins from the ER differs in yeast and mammalian cells. *Traffic*, **2010**, 11, 1017-33	3.7	26
13	Interaction of Escherichia coli RecA protein with ATP and its analogues. *Journal of Biochemistry*, **1994**, 116, 960-6	3.1	22
12	GPI biosynthesis is essential for rhodopsin sorting at the trans-Golgi network in Drosophila photoreceptors. *Development (Cambridge)*, **2013**, 140, 385-94	6.6	19
11	Apical sorting of lysoGPI-anchored proteins occurs independent of association with detergent-resistant membranes but dependent on their N-glycosylation. *Molecular Biology of the Cell*, **2013**, 24, 2021-33	3.5	18
10	The molecular architecture of engulfment during sporulation. *ELife*, **2019**, 8,	8.9	17
9	Clathrin and AP1 are required for apical sorting of glycosyl phosphatidyl inositol-anchored proteins in biosynthetic and recycling routes in Madin-Darby canine kidney cells. *Traffic*, **2018**, 19, 215-228	5.7	12
8	Stable cell surface expression of GPI-anchored proteins, but not intracellular transport, depends on their fatty acid structure. *Traffic*, **2014**, 15, 1305-29	5.7	10
7	Challenges of Integrating Stochastic Dynamics and Cryo-Electron Tomograms in Whole-Cell Simulations. *Journal of Physical Chemistry B*, **2017**, 121, 3871-3881	3.4	9
6	Parkinson�Disease-linked LRRK2 structure and model for microtubule interaction		9
5	The in situ structure of Parkinson�disease-linked LRRK2		8
4	The presence of an ER exit signal determines the protein sorting upon ER exit in yeast. *Biochemical Journal*, **2008**, 414, 237-45	3.8	5
3	Visualization of intracellular Ebola virus nucleocapsid assembly by cryo-electron tomography. *Microscopy and Microanalysis*, **2021**, 27, 1708-1711	0.5	1
2	Revealing the Native Molecular Architecture of the Nuclear Periphery using Cryo-Focused-Ion-Beam Milling, Light Microscopy and Electron Tomography. *Microscopy and Microanalysis*, **2017**, 23, 1248-1249	0.5	
1	The in Situ structure of a Parkinson's Disease Mutant LRRK2 Bound to Cellular Microtubules Revealed by Cryo-electron Tomography. *Microscopy and Microanalysis*, **2020**, 26, 800-802	0.5	