Peter Kijun Kim

List of Publications by Citations

41 papers	8,852 citations	23 h-index	44 g-index
44 ext. papers	9,950 ext. citations	7.2 avg, IF	5.03 L-index

#	Paper	IF	Citations
41	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
40	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
39	Ubiquitin signals autophagic degradation of cytosolic proteins and peroxisomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 20567-74	11.5	427
38	ROS-induced mitochondrial depolarization initiates PARK2/PARKIN-dependent mitochondrial degradation by autophagy. *Autophagy*, **2012**, 8, 1462-76	10.2	286
37	The origin and maintenance of mammalian peroxisomes involves a de novo PEX16-dependent pathway from the ER. *Journal of Cell Biology*, **2006**, 173, 521-32	7.3	258
36	NBR1 acts as an autophagy receptor for peroxisomes. *Journal of Cell Science*, **2013**, 126, 939-52	5.3	233
35	VAPs and ACBD5 tether peroxisomes to the ER for peroxisome maintenance and lipid homeostasis. *Journal of Cell Biology*, **2017**, 216, 367-377	7.3	142
34	Deubiquitinating enzymes regulate PARK2-mediated mitophagy. *Autophagy*, **2015**, 11, 595-606	10.2	136
33	PEX2 is the E3 ubiquitin ligase required for pexophagy during starvation. *Journal of Cell Biology*, **2016**, 214, 677-90	7.3	101
32	Global Interactomics Uncovers Extensive Organellar Targeting by Zika Virus. *Molecular and Cellular Proteomics*, **2018**, 17, 2242-2255	7.6	78
31	Malnutrition-associated liver steatosis and ATP depletion is caused by peroxisomal and mitochondrial dysfunction. *Journal of Hepatology*, **2016**, 65, 1198-1208	13.4	78
30	The peroxisomal AAA ATPase complex prevents pexophagy and development of peroxisome biogenesis disorders. *Autophagy*, **2017**, 13, 868-884	10.2	59
29	PEX16 contributes to peroxisome maintenance by constantly trafficking PEX3 via the ER. *Journal of Cell Science*, **2014**, 127, 3675-86	5.3	45
28	An ATG16L1-dependent pathway promotes plasma membrane repair and limits Listeria monocytogenes cell-to-cell spread. *Nature Microbiology*, **2018**, 3, 1472-1485	26.6	40
27	Pexophagy: A Model for Selective Autophagy. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	33
26	Deubiquitinating enzyme USP30 maintains basal peroxisome abundance by regulating pexophagy. *Journal of Cell Biology*, **2019**, 218, 798-807	7.3	32
25	Multiple Domains in PEX16 Mediate Its Trafficking and Recruitment of Peroxisomal Proteins to the ER. *Traffic*, **2015**, 16, 832-52	5.7	29

24	Multiple paths to peroxisomes: Mechanism of peroxisome maintenance in mammals. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2016**, 1863, 881-91	4.9	29
23	Rab7 palmitoylation is required for efficient endosome-to-TGN trafficking. *Journal of Cell Science*, **2017**, 130, 2579-2590	5.3	24
22	mTOR complex 1 controls the nuclear localization and function of glycogen synthase kinase 3 *Journal of Biological Chemistry*, **2018**, 293, 14723-14739	5.4	23
21	PEX16: a multifaceted regulator of peroxisome biogenesis. *Frontiers in Physiology*, **2013**, 4, 241	4.6	23
20	Requirement for microtubules and dynein motors in the earliest stages of peroxisome biogenesis. *Traffic*, **2005**, 6, 386-95	5.7	23
19	Maintaining social contacts: The physiological relevance of organelle interactions. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2020**, 1867, 118800	4.9	23
18	Loss of HSPA9 induces peroxisomal degradation by increasing pexophagy. *Autophagy*, **2020**, 16, 1989-2003	13.2	21
17	Peroxisome Biogenesis: A Union between Two Organelles. *Current Biology*, **2017**, 27, R271-R274	6.3	17
16	Manipulation of peptide conformations by fine-tuning of the environment and/or the primary sequence. *Biopolymers*, **1995**, 35, 667-75	2.2	16
15	PEX5 and ubiquitin dynamics on mammalian peroxisome membranes. *PLoS Computational Biology*, **2014**, 10, e1003426	5	15
14	Cardiolipin synthesizing enzymes form a complex that interacts with cardiolipin-dependent membrane organizing proteins. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2018**, 1863, 447-457	5	14
13	ORP1L mediated PI(4)P signaling at ER-lysosome-mitochondrion three-way contact contributes to mitochondrial division. *Nature Communications*, **2021**, 12, 5354	17.4	6
12	Global Proximity Interactome of the Human Macroautophagy Pathway. *Autophagy*, **2021**, 1-13	10.2	4
11	Exploiting the diphtheria toxin internalization receptor enhances delivery of proteins to lysosomes for enzyme replacement therapy. *Science Advances*, **2020**, 6,	14.3	3
10	Single-molecule localization microscopy of septin bundles in mammalian cells. *Cytoskeleton*, **2019**, 76, 63-72	2.4	3
9	C5orf51 is a component of the MON1-CCZ1 complex and controls RAB7A localization and stability during mitophagy. *Autophagy*, **2021**, 1-12	10.2	3
8	Lysosome Targeting RedGreen-assay: Selective Autophagy Sensing Assay for Mammalian Cells. *Bio-protocol*, **2019**, 9, e3455	0.9	2
7	USP30: protector of peroxisomes and mitochondria. *Molecular and Cellular Oncology*, **2019**, 6, 1600350	1.2	1

6	Hyperspectral super-resolution imaging with far-red emitting fluorophores using a thin-film tunable filter. *Review of Scientific Instruments*, **2020**, 91, 123703	1.7	1
5	Peroxisome Assembly, Degradation, and Disease191-200		1
4	Loss of Acot12 contributes to NAFLD independent of lipolysis of adipose tissue. *Experimental and Molecular Medicine*, **2021**, 53, 1159-1169	12.8	0
3	Peroxisome Assembly, Degradation, and Disease **2020**, 137-150		
2	Peroxisome Biogenesis Disorders **2020**, 221-233		
1	Fyn is recruited to specialized clathrin coated pits and regulates EGF receptor signaling. *FASEB Journal*, **2019**, 33, 788.1	0.9	