Nicolas Dupont

List of Publications by Year in Descending Order

47 papers	7,773 citations	23 h-index	50 g-index
50 ext. papers	9,516 ext. citations	10.3 avg, IF	5.07 L-index

#	Paper	IF	Citations
47	The m□age □trois of autophagy, lipid droplets and liver disease. *Autophagy*, **2021**, 1-24	10.2	20
46	ATG4D is the main ATG8 delipidating enzyme in mammalian cells and protects against cerebellar neurodegeneration. *Cell Death and Differentiation*, **2021**, 28, 2651-2672	12.7	2
45	The autophagy protein ATG16L1 cooperates with IFT20 and INPP5E to regulate the turnover of phosphoinositides at the primary cilium. *Cell Reports*, **2021**, 35, 109045	10.6	6
44	When the autophagy protein ATG16L1 met the ciliary protein IFT20. *Autophagy*, **2021**, 17, 1791-1793	10.2	2
43	Overview of noncanonical autophagy **2021**, 41-67		
42	Monitoring lipophagy in kidney epithelial cells in response to shear stress. *Methods in Cell Biology*, **2021**, 164, 11-25	1.8	1
41	Links between autophagy and tissue mechanics. *Journal of Cell Science*, **2021**, 134,	5.3	2
40	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
39	Primary cilium-dependent autophagy drafts PIK3C2A to generate PtdIns3P in response to shear stress. *Autophagy*, **2020**, 16, 1143-1144	10.2	4
38	PI3KC2□dependent and VPS34-independent generation of PI3P controls primary cilium-mediated autophagy in response to shear stress. *Nature Communications*, **2020**, 11, 294	17.4	25
37	Fluid flow-induced shear stress controls the metabolism of proximal tubule kidney epithelial cells through primary cilium-dependent lipophagy and mitochondria biogenesis. *Autophagy*, **2020**, 16, 2287-2288	10.2	5
36	The primary cilium and lipophagy translate mechanical forces to direct metabolic adaptation of kidney epithelial cells. *Nature Cell Biology*, **2020**, 22, 1091-1102	23.4	16
35	Interplay between primary cilia, ubiquitin-proteasome system and autophagy. *Biochimie*, **2019**, 166, 286-292	4.2	13
34	The primary cilium protein folliculin is part of the autophagy signaling pathway to regulate epithelial cell size in response to fluid flow. *Cell Stress*, **2019**, 3, 100-109	5.5	10
33	Monitoring of Autophagy and Cell Volume Regulation in Kidney Epithelial Cells in Response to Fluid Shear Stress. *Methods in Molecular Biology*, **2019**, 1880, 331-340	1.4	1
32	Aspirin Recapitulates Features of Caloric Restriction. *Cell Reports*, **2018**, 22, 2395-2407	10.6	80
31	Endothelial autophagic flux hampers atherosclerotic lesion development. *Autophagy*, **2018**, 14, 173-175	10.2	17

30	Autophagy: A Druggable Process. *Annual Review of Pharmacology and Toxicology*, **2017**, 57, 375-398	17.9	108
29	Molecular Mechanisms of Noncanonical Autophagy. *International Review of Cell and Molecular Biology*, **2017**, 328, 1-23	6	25
28	Long-Lived Protein Degradation During Autophagy. *Methods in Enzymology*, **2017**, 588, 31-40	1.7	12
27	ER-plasma membrane contact sites contribute to autophagosome biogenesis by regulation of local PI3P synthesis. *EMBO Journal*, **2017**, 36, 2018-2033	13	118
26	Cellular and molecular mechanism for secretory autophagy. *Autophagy*, **2017**, 13, 1084-1085	10.2	45
25	Dedicated SNAREs and specialized TRIM cargo receptors mediate secretory autophagy. *EMBO Journal*, **2017**, 36, 42-60	13	174
24	Autophagy is required for endothelial cell alignment and atheroprotection under physiological blood flow. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8675-E8684	11.5	98
23	To be or not to be cell autonomous? Autophagy says both. *Essays in Biochemistry*, **2017**, 61, 649-661	7.6	6
22	Autophagy transduces physical constraints into biological responses. *International Journal of Biochemistry and Cell Biology*, **2016**, 79, 419-426	5.6	10
21	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
20	Primary-cilium-dependent autophagy controls epithelial cell volume in response to fluid flow. *Nature Cell Biology*, **2016**, 18, 657-67	23.4	87
19	Fine-tuning autophagy: from transcriptional to posttranslational regulation. *American Journal of Physiology - Cell Physiology*, **2016**, 311, C351-62	5.4	26
18	Primary cilium and autophagy: The avengers of cell-size regulation. *Autophagy*, **2016**, 12, 2258-2259	10.2	11
17	The Pro-apoptotic STK38 Kinase Is a New Beclin1 Partner Positively Regulating Autophagy. *Current Biology*, **2015**, 25, 2479-92	6.3	38
16	Autophagy and regulation of cilia function and assembly. *Cell Death and Differentiation*, **2015**, 22, 389-97	12.7	48
15	Unsaturated fatty acids induce non-canonical autophagy. *EMBO Journal*, **2015**, 34, 1025-41	13	126
14	Autophagy regulation: RNF2 targets AMBRA1. *Cell Research*, **2014**, 24, 1029-30	24.7	3
13	Autophagy and autophagic flux in tumor cells. *Methods in Enzymology*, **2014**, 543, 73-88	1.7	21

12	Neutral lipid stores and lipase PNPLA5 contribute to autophagosome biogenesis. *Current Biology*, **2014**, 24, 609-20	6.3	168
11	Secretory versus degradative autophagy: unconventional secretion of inflammatory mediators. *Journal of Innate Immunity*, **2013**, 5, 471-9	6.9	85
10	Non-canonical Autophagy: Facts and Prospects. *Current Pathobiology Reports*, **2013**, 1, 263-271	2	14
9	Autophagy plays a WASHing game. *EMBO Journal*, **2013**, 32, 2659-60	13	4
8	Autophagy protects against active tuberculosis by suppressing bacterial burden and inflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E3168-76	11.5	322
7	Autophagy intersections with conventional and unconventional secretion in tissue development, remodeling and inflammation. *Trends in Cell Biology*, **2012**, 22, 397-406	18.3	164
6	TBK-1 promotes autophagy-mediated antimicrobial defense by controlling autophagosome maturation. *Immunity*, **2012**, 37, 223-34	32.3	446
5	Autophagy-based unconventional secretory pathway for extracellular delivery of IL-1 *EMBO Journal*, **2011**, 30, 4701-11	13	614
4	Galectin-3, a marker for vacuole lysis by invasive pathogens. *Cellular Microbiology*, **2010**, 12, 530-44	3.9	233
3	How ubiquitination and autophagy participate in the regulation of the cell response to bacterial infection. *Biology of the Cell*, **2010**, 102, 621-34	3.5	22
2	How autophagy regulates the host cell signaling associated with the postpartum bacteria cocoon experienced as a danger signal. *Autophagy*, **2009**, 5, 1222-3	10.2	4
1	Shigella phagocytic vacuolar membrane remnants participate in the cellular response to pathogen invasion and are regulated by autophagy. *Cell Host and Microbe*, **2009**, 6, 137-49	23.4	259