

Patricia Boya

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

20,320
citations

52
h-index

115
g-index

115
ext. papers

24,246
ext. citations

9.3
avg, IF

6.44
L-index

#	Paper	IF	Citations
100	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
99	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546	10.2	2783
98	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
97	Inhibition of macroautophagy triggers apoptosis. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1025-40	4.8	1411
96	Lysosomal membrane permeabilization in cell death. <i>Oncogene</i> , 2008 , 27, 6434-51	9.2	995
95	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017 , 36, 1811-1836	13	857
94	Emerging regulation and functions of autophagy. <i>Nature Cell Biology</i> , 2013 , 15, 713-20	23.4	793
93	Pathogenic lysosomal depletion in Parkinson's disease. <i>Journal of Neuroscience</i> , 2010 , 30, 12535-44	6.6	551
92	Cannabinoid action induces autophagy-mediated cell death through stimulation of ER stress in human glioma cells. <i>Journal of Clinical Investigation</i> , 2009 , 119, 1359-72	15.9	500
91	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
90	The apoptosis/autophagy paradox: autophagic vacuolization before apoptotic death. <i>Journal of Cell Science</i> , 2005 , 118, 3091-102	5.3	431
89	Lysosomal membrane permeabilization induces cell death in a mitochondrion-dependent fashion. <i>Journal of Experimental Medicine</i> , 2003 , 197, 1323-34	16.6	373
88	Mitochondrial membrane permeabilization is a critical step of lysosome-initiated apoptosis induced by hydroxychloroquine. <i>Oncogene</i> , 2003 , 22, 3927-36	9.2	315
87	Lysosomal membrane permeabilization and cell death. <i>Traffic</i> , 2018 , 19, 918-931	5.7	203
86	Programmed mitophagy is essential for the glycolytic switch during cell differentiation. <i>EMBO Journal</i> , 2017 , 36, 1688-1706	13	171
85	AMPK and PFKFB3 mediate glycolysis and survival in response to mitophagy during mitotic arrest. <i>Nature Cell Biology</i> , 2015 , 17, 1304-16	23.4	155
84	Laforin, the most common protein mutated in Lafora disease, regulates autophagy. <i>Human Molecular Genetics</i> , 2010 , 19, 2867-76	5.6	148

83	Autophagy promotes survival of retinal ganglion cells after optic nerve axotomy in mice. <i>Cell Death and Differentiation</i> , 2012 , 19, 162-9	12.7	146
82	Lysosomal function and dysfunction: mechanism and disease. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 766-74	8.4	135
81	Essential role of p53 phosphorylation by p38 MAPK in apoptosis induction by the HIV-1 envelope. <i>Journal of Experimental Medicine</i> , 2005 , 201, 279-89	16.6	135
80	Viral proteins targeting mitochondria: controlling cell death. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004 , 1659, 178-89	4.6	134
79	Autophagy in the eye: Development, degeneration, and aging. <i>Progress in Retinal and Eye Research</i> , 2016 , 55, 206-245	20.5	133
78	Atg5 and Ambra1 differentially modulate neurogenesis in neural stem cells. <i>Autophagy</i> , 2012 , 8, 187-99	10.2	126
77	Time resolved study of cell death mechanisms induced by amine-modified polystyrene nanoparticles. <i>Nanoscale</i> , 2013 , 5, 10868-76	7.7	119
76	Endoplasmic reticulum stress-induced cell death requires mitochondrial membrane permeabilization. <i>Cell Death and Differentiation</i> , 2002 , 9, 465-7	12.7	115
75	Balance between autophagic pathways preserves retinal homeostasis. <i>Aging Cell</i> , 2013 , 12, 478-88	9.9	113
74	High sphingomyelin levels induce lysosomal damage and autophagy dysfunction in Niemann Pick disease type A. <i>Cell Death and Differentiation</i> , 2014 , 21, 864-75	12.7	105
73	New EMBO members Review: viral and bacterial proteins regulating apoptosis at the mitochondrial level. <i>EMBO Journal</i> , 2001 , 20, 4325-31	13	103
72	NF-kappaB and p53 are the dominant apoptosis-inducing transcription factors elicited by the HIV-1 envelope. <i>Journal of Experimental Medicine</i> , 2004 , 199, 629-40	16.6	102
71	An anti-apoptotic viral protein that recruits Bax to mitochondria. <i>Journal of Biological Chemistry</i> , 2004 , 279, 22605-14	5.4	102
70	Autophagy in stem cells: repair, remodelling and metabolic reprogramming. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	98
69	Lysosomal membrane permeabilization in cell death: new evidence and implications for health and disease. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1371, 30-44	6.5	97
68	The autophagic machinery is necessary for removal of cell corpses from the developing retinal neuroepithelium. <i>Cell Death and Differentiation</i> , 2008 , 15, 1279-90	12.7	92
67	Lysosomal cell death mechanisms in aging. <i>Ageing Research Reviews</i> , 2016 , 32, 150-168	12	90
66	Lysosomal membrane permeabilization and autophagy blockade contribute to photoreceptor cell death in a mouse model of retinitis pigmentosa. <i>Cell Death and Differentiation</i> , 2015 , 22, 476-87	12.7	89

65	New method to assess mitophagy flux by flow cytometry. <i>Autophagy</i> , 2015 , 11, 833-43	10.2	85
64	Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. <i>Autophagy</i> , 2016 , 12, 2213-2229	10.2	85
63	Cell permeable BH3-peptides overcome the cytoprotective effect of Bcl-2 and Bcl-X(L). <i>Oncogene</i> , 2002 , 21, 1963-77	9.2	83
62	Antioxidant status and glutathione metabolism in peripheral blood mononuclear cells from patients with chronic hepatitis C. <i>Journal of Hepatology</i> , 1999 , 31, 808-14	13.4	83
61	The chemopreventive agent N-(4-hydroxyphenyl)retinamide induces apoptosis through a mitochondrial pathway regulated by proteins from the Bcl-2 family. <i>Oncogene</i> , 2003 , 22, 6220-30	9.2	82
60	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021 , 40, e108863	13	79
59	Mitophagy acts as a safeguard mechanism against human vascular smooth muscle cell apoptosis induced by atherogenic lipids. <i>Oncotarget</i> , 2016 , 7, 28821-35	3.3	73
58	The C-terminal moiety of HIV-1 Vpr induces cell death via a caspase-independent mitochondrial pathway. <i>Cell Death and Differentiation</i> , 2002 , 9, 1212-9	12.7	72
57	Bcl-2 and CCND1/CDK4 expression levels predict the cellular effects of mTOR inhibitors in human ovarian carcinoma. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2004 , 9, 797-805	5.4	64
56	Lysosome-dependent cell death and deregulated autophagy induced by amine-modified polystyrene nanoparticles. <i>Open Biology</i> , 2018 , 8,	7	62
55	Autophagic flux determination in vivo and ex vivo. <i>Methods</i> , 2015 , 75, 79-86	4.6	61
54	TRB3 links ER stress to autophagy in cannabinoid anti-tumoral action. <i>Autophagy</i> , 2009 , 5, 1048-9	10.2	59
53	BNIP3L/NIX-dependent mitophagy regulates cell differentiation via metabolic reprogramming. <i>Autophagy</i> , 2018 , 14, 915-917	10.2	57
52	The nuclear cofactor DOR regulates autophagy in mammalian and Drosophila cells. <i>EMBO Reports</i> , 2010 , 11, 37-44	6.5	56
51	Lysosomal membrane permeabilization as a cell death mechanism in cancer cells. <i>Biochemical Society Transactions</i> , 2018 , 46, 207-215	5.1	54
50	Interactions between autophagic and endo-lysosomal markers in endothelial cells. <i>Histochemistry and Cell Biology</i> , 2013 , 139, 659-70	2.4	53
49	Autophagy counteracts weight gain, lipotoxicity and pancreatic β cell death upon hypercaloric pro-diabetic regimens. <i>Cell Death and Disease</i> , 2017 , 8, e2970	9.8	53
48	Lysosomal membrane permeabilization in Parkinson disease. <i>Autophagy</i> , 2011 , 7, 98-100	10.2	52

47	The C-terminal sequence of RhoB directs protein degradation through an endo-lysosomal pathway. <i>PLoS ONE</i> , 2009 , 4, e8117	3.7	51
46	Mitochondrion-targeted apoptosis regulators of viral origin. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 304, 575-81	3.4	47
45	Mitochondrial permeability transition as a novel principle of hepatorenal toxicity in vivo. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2002 , 7, 395-405	5.4	46
44	Early neural cell death: numbers and cues from the developing neuroretina. <i>International Journal of Developmental Biology</i> , 2009 , 53, 1515-28	1.9	45
43	Interferon alfa subtypes and levels of type I interferons in the liver and peripheral mononuclear cells in patients with chronic hepatitis C and controls. <i>Hepatology</i> , 1999 , 29, 1900-4	11.2	45
42	Axonal damage, autophagy and neuronal survival. <i>Autophagy</i> , 2012 , 8, 286-8	10.2	42
41	Attenuation of vision loss and delay in apoptosis of photoreceptors induced by proinsulin in a mouse model of retinitis pigmentosa 2008 , 49, 4188-94		42
40	Nuclear factor-kappa B in the liver of patients with chronic hepatitis C: decreased RelA expression is associated with enhanced fibrosis progression. <i>Hepatology</i> , 2001 , 34, 1041-8	11.2	41
39	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. <i>Cell Metabolism</i> , 2019 , 30, 754-767.e9	24.6	40
38	Cytofluorometric quantitation of apoptosis-driven inner mitochondrial membrane permeabilization. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2003 , 8, 521-30	5.4	36
37	How autophagy is related to programmed cell death during the development of the nervous system. <i>Biochemical Society Transactions</i> , 2008 , 36, 813-7	5.1	32
36	Autophagy is not universally required for phosphatidyl-serine exposure and apoptotic cell engulfment during neural development. <i>Autophagy</i> , 2009 , 5, 964-72	10.2	31
35	A comparative map of macroautophagy and mitophagy in the vertebrate eye. <i>Autophagy</i> , 2019 , 15, 1296-1308	11.2	30
34	Cell death in early neural life. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2005 , 75, 281-93		30
33	Beclin 1: a BH3-only protein that fails to induce apoptosis. <i>Oncogene</i> , 2009 , 28, 2125-7	9.2	29
32	Tumor suppressor p27(Kip1) undergoes endolysosomal degradation through its interaction with sorting nexin 6. <i>FASEB Journal</i> , 2010 , 24, 2998-3009	0.9	27
31	Impaired autophagy in Lafora disease. <i>Autophagy</i> , 2010 , 6, 991-3	10.2	26
30	Intracellular silicon chips in living cells. <i>Small</i> , 2010 , 6, 499-502	11	25

29	Expression of interferon-alpha subtypes in peripheral mononuclear cells from patients with chronic hepatitis C: a role for interferon-alpha5. <i>Journal of Viral Hepatitis</i> , 2001 , 8, 103-10	3.4	23
28	A recombinant adenovirus encoding hepatitis C virus core and E1 proteins protects mice against cytokine-induced liver damage. <i>Hepatology</i> , 2003 , 37, 461-70	11.2	21
27	Intra-mitochondrial degradation of Tim23 curtails the survival of cells rescued from apoptosis by caspase inhibitors. <i>Cell Death and Differentiation</i> , 2008 , 15, 545-54	12.7	19
26	Anti-apoptotic activity of the glutathione peroxidase homologue encoded by HIV-1. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2004 , 9, 181-92	5.4	17
25	Lipotoxic Effects of Palmitic Acid on Astrocytes Are Associated with Autophagy Impairment. <i>Molecular Neurobiology</i> , 2019 , 56, 1665-1680	6.2	14
24	Mitophagy, metabolism, and cell fate. <i>Molecular and Cellular Oncology</i> , 2017 , 4, e1353854	1.2	14
23	Structural determinants allowing endolysosomal sorting and degradation of endosomal GTPases. <i>Traffic</i> , 2010 , 11, 1221-33	5.7	14
22	Why autophagy is good for retinal ganglion cells?. <i>Eye</i> , 2017 , 31, 185-190	4.4	11
21	The S1P1 receptor-selective agonist CYM-5442 protects retinal ganglion cells in endothelin-1 induced retinal ganglion cell loss. <i>Experimental Eye Research</i> , 2017 , 164, 37-45	3.7	11
20	Cytofluorometric Assessment of Mitophagic Flux in Mammalian Cells and Tissues. <i>Methods in Enzymology</i> , 2017 , 588, 209-217	1.7	10
19	Standard Assays for the Study of Autophagy in the Ex Vivo Retina. <i>Cells</i> , 2017 , 6,	7.9	10
18	The -QC Reporter for Quantitative Mitophagy Assessment in Primary Retinal Ganglion Cells and Experimental Glaucoma Models. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
17	Altered Blood Gene Expression of Tumor-Related Genes (PRKCB, BECN1, and CDKN2A) in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2016 , 53, 5902-5911	6.2	9
16	Mitophagy in mitosis: More than a myth. <i>Autophagy</i> , 2015 , 11, 2379-80	10.2	8
15	Age related retinal Ganglion cell susceptibility in context of autophagy deficiency. <i>Cell Death Discovery</i> , 2020 , 6, 21	6.9	8
14	Regulation of PRKN-independent mitophagy. <i>Autophagy</i> , 2021 , 1-16	10.2	8
13	Immunological Synapse Formation Induces Mitochondrial Clustering and Mitophagy in Dendritic Cells. <i>Journal of Immunology</i> , 2019 , 202, 1715-1723	5.3	7
12	Serum- and glucocorticoid-induced kinase 1, a new therapeutic target for autophagy modulation in chronic diseases. <i>Expert Opinion on Therapeutic Targets</i> , 2020 , 24, 231-243	6.4	7

11	HDAC inhibition ameliorates cone survival in retinitis pigmentosa mice. <i>Cell Death and Differentiation</i> , 2021 , 28, 1317-1332	12.7	6
10	Molecular Alterations in Sporadic and -ALS Immortalized Lymphocytes: Towards a Personalized Therapy. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
9	Autophagy induction during stem cell activation plays a key role in salivary gland self-renewal. <i>Autophagy</i> , 2021 , 1-16	10.2	4
8	Driving next-generation autophagy researchers towards translation (DRIVE), an international PhD training program on autophagy. <i>Autophagy</i> , 2019 , 15, 347-351	10.2	4
7	New insights into the role of autophagy in retinal and eye diseases. <i>Molecular Aspects of Medicine</i> , 2021 , 82, 101038	16.7	3
6	Towards a better understanding of the neuro-developmental role of autophagy in sickness and in health. <i>Cell Stress</i> , 2021 , 5, 99-118	5.5	3
5	Cell permeable BH3-peptides overcome the cytoprotective effect of Bcl-2 and Bcl-XL		2
4	AUTOPHAGY IN THE RETINA: DEVELOPMENT, PHYSIOLOGY AND PATHOLOGY 2012 , 149-173		1
3	HIF1 α mitophagy: which drives cardiomyocyte differentiation?. <i>Cell Stress</i> , 2020 , 4, 95-98	5.5	1
2	p38 MAPK priming boosts VSMC proliferation and arteriogenesis by promoting PGC1 β dependent mitochondrial dynamics.. <i>Scientific Reports</i> , 2022 , 12, 5938	4.9	0
1	Autophagy in retina and axonal degeneration. <i>Acta Ophthalmologica</i> , 2014 , 92, 0-0	3.7	