Patricia Boya

List of Publications by Year in descending order

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111 papers	27,796 citations	28190 55 h-index	30010 103 g-index
116 all docs	116 docs citations	116 times ranked	39712 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	5.0	4,036
3	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
4	Inhibition of Macroautophagy Triggers Apoptosis. Molecular and Cellular Biology, 2005, 25, 1025-1040.	1.1	1,533
5	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582	4.3	1,430
6	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	3.5	1,230
7	Lysosomal membrane permeabilization in cell death. Oncogene, 2008, 27, 6434-6451.	2.6	1,192
8	Emerging regulation and functions of autophagy. Nature Cell Biology, 2013, 15, 713-720.	4.6	1,014
9	Pathogenic Lysosomal Depletion in Parkinson's Disease. Journal of Neuroscience, 2010, 30, 12535-12544.	1.7	681
10	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	3.5	615
11	Cannabinoid action induces autophagy-mediated cell death through stimulation of ER stress in human glioma cells. Journal of Clinical Investigation, 2009, 119, 1359-1372.	3.9	585
12	The apoptosis/autophagy paradox: autophagic vacuolization before apoptotic death. Journal of Cell Science, 2005, 118, 3091-3102.	1.2	487
13	Lysosomal membrane permeabilization and cell death. Traffic, 2018, 19, 918-931.	1.3	434
14	Lysosomal Membrane Permeabilization Induces Cell Death in a Mitochondrion-dependent Fashion. Journal of Experimental Medicine, 2003, 197, 1323-1334.	4.2	421
15	Mitochondrial membrane permeabilization is a critical step of lysosome-initiated apoptosis induced by hydroxychloroquine. Oncogene, 2003, 22, 3927-3936.	2.6	357
16	Programmed mitophagy is essential for the glycolytic switch during cell differentiation. EMBO Journal, 2017, 36, 1688-1706.	3.5	245
17	AMPK and PFKFB3 mediate glycolysis and survival inÂresponse to mitophagy during mitotic arrest. Nature Cell Biology, 2015, 17, 1304-1316.	4.6	223
18	Autophagy promotes survival of retinal ganglion cells after optic nerve axotomy in mice. Cell Death and Differentiation, 2012, 19, 162-169.	5.0	196

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19	Autophagy in the eye: Development, degeneration, and aging. Progress in Retinal and Eye Research, 2016, 55, 206-245.	7.3	184
20	Laforin, the most common protein mutated in Lafora disease, regulates autophagy. Human Molecular Genetics, 2010, 19, 2867-2876.	1.4	170
21	Balance between autophagic pathways preserves retinal homeostasis. Aging Cell, 2013, 12, 478-488.	3.0	169
22	Lysosomal Function and Dysfunction: Mechanism and Disease. Antioxidants and Redox Signaling, 2012, 17, 766-774.	2.5	164
23	Atg5 and Ambra1 differentially modulate neurogenesis in neural stem cells. Autophagy, 2012, 8, 187-199.	4.3	153
24	Essential role of p53 phosphorylation by p38 MAPK in apoptosis induction by the HIV-1 envelope. Journal of Experimental Medicine, 2005, 201, 279-289.	4.2	152
25	Time resolved study of cell death mechanisms induced by amine-modified polystyrene nanoparticles. Nanoscale, 2013, 5, 10868.	2.8	151
26	Viral proteins targeting mitochondria: controlling cell death. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1659, 178-189.	0.5	147
27	Autophagy in stem cells: repair, remodelling and metabolic reprogramming. Development (Cambridge), 2018, 145, .	1.2	143
28	High sphingomyelin levels induce lysosomal damage and autophagy dysfunction in Niemann Pick disease type A. Cell Death and Differentiation, 2014, 21, 864-875.	5.0	134
29	Lysosomal membrane permeabilization in cell death: new evidence and implications for health and disease. Annals of the New York Academy of Sciences, 2016, 1371, 30-44.	1.8	132
30	Lysosomal cell death mechanisms in aging. Ageing Research Reviews, 2016, 32, 150-168.	5.0	130
31	Endoplasmic reticulum stress-induced cell death requires mitochondrial membrane permeabilization. Cell Death and Differentiation, 2002, 9, 465-467.	5.0	125
32	New method to assess mitophagy flux by flow cytometry. Autophagy, 2015, 11, 833-843.	4.3	123
33	Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. Autophagy, 2016, 12, 2213-2229.	4.3	118
34	NF-Î¹B and p53 Are the Dominant Apoptosis-inducing Transcription Factors Elicited by the HIV-1 Envelope. Journal of Experimental Medicine, 2004, 199, 629-640.	4.2	116
35	Lysosomal membrane permeabilization and autophagy blockade contribute to photoreceptor cell death in a mouse model of retinitis pigmentosa. Cell Death and Differentiation, 2015, 22, 476-487.	5.0	114
36	An Anti-apoptotic Viral Protein That Recruits Bax to Mitochondria. Journal of Biological Chemistry, 2004, 279, 22605-22614.	1.6	111

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37	NEW EMBO MEMBERS' REVIEW: Viral and bacterial proteins regulating apoptosis at the mitochondrial level. EMBO Journal, 2001, 20, 4325-4331.	3.5	109
38	Lysosome-dependent cell death and deregulated autophagy induced by amine-modified polystyrene nanoparticles. Open Biology, 2018, 8, 170271.	1.5	109
39	The autophagic machinery is necessary for removal of cell corpses from the developing retinal neuroepithelium. Cell Death and Differentiation, 2008, 15, 1279-1290.	5.0	106
40	Antioxidant status and glutathione metabolism in peripheral blood mononuclear cells from patients with chronic hepatitis C. Journal of Hepatology, 1999, 31, 808-814.	1.8	98
41	Lysosomal membrane permeabilization as a cell death mechanism in cancer cells. Biochemical Society Transactions, 2018, 46, 207-215.	1.6	96
42	Mitophagy acts as a safeguard mechanism against human vascular smooth muscle cell apoptosis induced by atherogenic lipids. Oncotarget, 2016, 7, 28821-28835.	0.8	91
43	Cell permeable BH3-peptides overcome the cytoprotective effect of Bcl-2 and Bcl-XL. Oncogene, 2002, 21, 1963-1977.	2.6	87
44	BNIP3L/NIX-dependent mitophagy regulates cell differentiation via metabolic reprogramming. Autophagy, 2018, 14, 915-917.	4.3	85
45	The chemopreventive agent N-(4-hydroxyphenyl)retinamide induces apoptosis through a mitochondrial pathway regulated by proteins from the Bcl-2 family. Oncogene, 2003, 22, 6220-6230.	2.6	83
46	The C-terminal moiety of HIV-1 Vpr induces cell death via a caspase-independent mitochondrial pathway. Cell Death and Differentiation, 2002, 9, 1212-1219.	5.0	78
47	Autophagy couteracts weight gain, lipotoxicity and pancreatic Î²-cell death upon hypercaloric pro-diabetic regimens. Cell Death and Disease, 2017, 8, e2970-e2970.	2.7	78
48	Autophagic flux determination in vivo and ex vivo. Methods, 2015, 75, 79-86.	1.9	76
49	Regulation of PRKN-independent mitophagy. Autophagy, 2022, 18, 24-39.	4.3	74
50	Bcl-2 and CCND1/CDK4 expression levels predict the cellular effects of mTOR inhibitors in human ovarian carcinoma. Apoptosis: an International Journal on Programmed Cell Death, 2004, 9, 797-805.	2.2	72
51	TRB3 links ER stress to autophagy in cannabinoid antitumoral action. Autophagy, 2009, 5, 1048-1049.	4.3	68
52	The nuclear cofactor DOR regulates autophagy in mammalian and Drosophila cells. EMBO Reports, 2010, 11, 37-44.	2.0	68
53	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. Cell Metabolism, 2019, 30, 754-767.e9.	7.2	67
54	Lysosomal membrane permeabilization in Parkinson disease. Autophagy, 2011, 7, 98-100.	4.3	61

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55	Interactions between autophagic and endo-lysosomal markers in endothelial cells. Histochemistry and Cell Biology, 2013, 139, 659-670.	0.8	60
56	The C-Terminal Sequence of RhoB Directs Protein Degradation through an Endo-Lysosomal Pathway. PLoS ONE, 2009, 4, e8117.	1.1	56
57	Early neural cell death: numbers and cues from the developing neuroretina. International Journal of Developmental Biology, 2009, 53, 1515-1528.	0.3	53
58	A comparative map of macroautophagy and mitophagy in the vertebrate eye. Autophagy, 2019, 15, 1296-1308.	4.3	53
59	Mitochondrial permeability transition as a novel principle of hepatorenal toxicity in vivo. Apoptosis: an International Journal on Programmed Cell Death, 2002, 7, 395-405.	2.2	52
60	Mitochondrion-targeted apoptosis regulators of viral origin. Biochemical and Biophysical Research Communications, 2003, 304, 575-581.	1.0	51
61	Interferon alfa subtypes and levels of type I interferons in the liver and peripheral mononuclear cells in patients with chronic hepatitis C and controls. Hepatology, 1999, 29, 1900-1904.	3.6	50
62	Axonal damage, autophagy and neuronal survival. Autophagy, 2012, 8, 286-288.	4.3	49
63	Attenuation of Vision Loss and Delay in Apoptosis of Photoreceptors Induced by Proinsulin in a Mouse Model of Retinitis Pigmentosa. , 2008, 49, 4188.		46
64	Nuclear factor-Î¹B in the liver of patients with chronic hepatitis C: Decreased RelA expression is associated with enhanced fibrosis progression. Hepatology, 2001, 34, 1041-1048.	3.6	45
65	Cytofluorometric quantitation of apoptosis-driven inner mitochondrial membrane permeabilization. Apoptosis: an International Journal on Programmed Cell Death, 2003, 8, 521-530.	2.2	38
66	How autophagy is related to programmed cell death during the development of the nervous system. Biochemical Society Transactions, 2008, 36, 813-817.	1.6	37
67	Beclin 1: a BH3-only protein that fails to induce apoptosis. Oncogene, 2009, 28, 2125-2127.	2.6	36
68	Intracellular Silicon Chips in Living Cells. Small, 2010, 6, 499-502.	5.2	35
69	Cell death in early neural life. Birth Defects Research Part C: Embryo Today Reviews, 2005, 75, 281-293.	3.6	32
70	Autophagy is not universally required for phosphatidyl-serine exposure and apoptotic cell engulfment during neural development. Autophagy, 2009, 5, 964-972.	4.3	32
71	Tumor suppressor p27 ^{Kip1} undergoes endolysosomal degradation through its interaction with sorting nexin 6. FASEB Journal, 2010, 24, 2998-3009.	0.2	30
72	Impaired autophagy in Lafora disease. Autophagy, 2010, 6, 991-993.	4.3	30

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73	Age related retinal Ganglion cell susceptibility in context of autophagy deficiency. Cell Death Discovery, 2020, 6, 21.	2.0	28
74	Expression of interferon-Î± subtypes in peripheral mononuclear cells from patients with chronic hepatitis C: a role for interferon-Î±5. Journal of Viral Hepatitis, 2001, 8, 103-110.	1.0	26
75	Lipotoxic Effects of Palmitic Acid on Astrocytes Are Associated with Autophagy Impairment. Molecular Neurobiology, 2019, 56, 1665-1680.	1.9	25
76	A recombinant adenovirus encoding hepatitis C virus core and E1 proteins protects mice against cytokine-induced liver damage. Hepatology, 2003, 37, 461-470.	3.6	23
77	Anti-apoptotic activity of the glutathione peroxidase homologue encoded by HIV-1. Apoptosis: an International Journal on Programmed Cell Death, 2004, 9, 181-192.	2.2	23
78	Why autophagy is good for retinal ganglion cells?. Eye, 2017, 31, 185-190.	1.1	22
79	HDAC inhibition ameliorates cone survival in retinitis pigmentosa mice. Cell Death and Differentiation, 2021, 28, 1317-1332.	5.0	22
80	Intra-mitochondrial degradation of Tim23 curtails the survival of cells rescued from apoptosis by caspase inhibitors. Cell Death and Differentiation, 2008, 15, 545-554.	5.0	21
81	Mitophagy, metabolism, and cell fate. Molecular and Cellular Oncology, 2017, 4, e1353854.	0.3	20
82	New insights into the role of autophagy in retinal and eye diseases. Molecular Aspects of Medicine, 2021, 82, 101038.	2.7	20
83	The mito-QC Reporter for Quantitative Mitophagy Assessment in Primary Retinal Ganglion Cells and Experimental Glaucoma Models. International Journal of Molecular Sciences, 2020, 21, 1882.	1.8	18
84	Structural Determinants Allowing Endolysosomal Sorting and Degradation of Endosomal GTPases. Traffic, 2010, 11, 1221-1233.	1.3	16
85	Molecular Alterations in Sporadic and SOD1-ALS Immortalized Lymphocytes: Towards a Personalized Therapy. International Journal of Molecular Sciences, 2021, 22, 3007.	1.8	16
86	Altered Blood Gene Expression of Tumor-Related Genes (PRKCB, BECN1, and CDKN2A) in Alzheimerâ€™s Disease. Molecular Neurobiology, 2016, 53, 5902-5911.	1.9	15
87	The S1P1 receptor-selective agonist CYM-5442 protects retinal ganglion cells in endothelin-1 induced retinal ganglion cell loss. Experimental Eye Research, 2017, 164, 37-45.	1.2	15
88	Serum- and glucocorticoid-induced kinase 1, a new therapeutic target for autophagy modulation in chronic diseases. Expert Opinion on Therapeutic Targets, 2020, 24, 231-243.	1.5	14
89	Towards a better understanding of the neuro-developmental role of autophagy in sickness and in health. Cell Stress, 2021, 5, 99-118.	1.4	13
90	Mitophagy in mitosis: More than a myth. Autophagy, 2015, 11, 2379-2380.	4.3	11

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91	Standard Assays for the Study of Autophagy in the Ex Vivo Retina. Cells, 2017, 6, 37.	1.8	11
92	Cytofluorometric Assessment of Mitophagic Flux in Mammalian Cells and Tissues. Methods in Enzymology, 2017, 588, 209-217.	0.4	11
93	Autophagy induction during stem cell activation plays a key role in salivary gland self-renewal. Autophagy, 2022, 18, 293-308.	4.3	11
94	Immunological Synapse Formation Induces Mitochondrial Clustering and Mitophagy in Dendritic Cells. Journal of Immunology, 2019, 202, 1715-1723.	0.4	9
95	Micronucleophagy: A new mechanism to protect against chromosomal instability?. Cell Cycle, 2012, 11, 645-645.	1.3	8
96	Phenotypic Assay Leads to Discovery of Mitophagy Inducers with Therapeutic Potential for Parkinsonâ€™s Disease. ACS Chemical Neuroscience, 2021, 12, 4512-4523.	1.7	7
97	p38 MAPK priming boosts VSMC proliferation and arteriogenesis by promoting PGC1Î±-dependent mitochondrial dynamics. Scientific Reports, 2022, 12, 5938.	1.6	7
98	Driving next-generation autophagy researchers towards translation (DRIVE), an international PhD training program on autophagy. Autophagy, 2019, 15, 347-351.	4.3	4
99	HIF1Î± or mitophagy: which drives cardiomyocyte differentiation?. Cell Stress, 2020, 4, 95-98.	1.4	4
100	Recycling in sight. Nature, 2013, 501, 40-42.	13.7	3
101	Cell permeable BH3-peptides overcome the cytoprotective effect of Bcl-2 and Bcl-XL. , 0, .		2
102	AUTOPHAGY IN THE RETINA: DEVELOPMENT, PHYSIOLOGY AND PATHOLOGY. , 2012, , 149-173.		1
103	Autophagy researchers. Autophagy, 2014, 10, 393-396.	4.3	1
104	Mitophagy acts as a safeguard mechanism against human vascular smooth muscle cell apoptosis induced by atherogenic lipids. Atherosclerosis, 2016, 252, e200.	0.4	1
105	Autophagy and disease: new insights and challenges ahead. Molecular Aspects of Medicine, 2021, 82, 101047.	2.7	1
106	Stat-1 and IRF-1: two factors in the signaling pathway of interferons related to viral load and liver damage in chronic hepatitis C (CH-C). Journal of Hepatology, 2002, 36, 225.	1.8	0
107	A recombinant adenovirus encoding hepatitis C virus core and E1 proteins protects mice against cytokine induced liver damage: A possible mechanism for viral persistence. Journal of Hepatology, 2003, 38, 9.	1.8	0
108	Caty Casas (1967-2020). Autophagy, 2020, 16, 2128-2130.	4.3	0

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109	Lipid dismantling of lens organelles for clear vision. Nature, 2021, 592, 509-510.	13.7	0
110	Autophagy in retina and axonal degeneration. Acta Ophthalmologica, 2014, 92, 0-0.	0.6	0
111	Apoptosis-Inducing Factor Deficiency Induces Tissue-Specific Alterations in Autophagy: Insights from a Preclinical Model of Mitochondrial Disease and Exercise Training Effects. Antioxidants, 2022, 11, 510.	2.2	0