

Guillermo Mariño García

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

21,578
citations

53660

45
h-index

95083

68
g-index

71
all docs

71
docs citations

71
times ranked

35069
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Autophagy and the Integrated Stress Response. <i>Molecular Cell</i> , 2010, 40, 280-293.	4.5	2,982
4	Autophagy and Aging. <i>Cell</i> , 2011, 146, 682-695.	13.5	1,809
5	Self-consumption: the interplay of autophagy and apoptosis. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 81-94.	16.1	1,769
6	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. <i>Journal of Cell Biology</i> , 2011, 192, 615-629.	2.3	439
7	Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. <i>Molecular Cell</i> , 2014, 53, 710-725.	4.5	412
8	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. <i>Cancer Cell</i> , 2016, 30, 147-160.	7.7	410
9	An Immunosurveillance Mechanism Controls Cancer Cell Ploidy. <i>Science</i> , 2012, 337, 1678-1684.	6.0	367
10	Tissue-specific Autophagy Alterations and Increased Tumorigenesis in Mice Deficient in Atg4C/Autophagin-3. <i>Journal of Biological Chemistry</i> , 2007, 282, 18573-18583.	1.6	360
11	Programmed mitophagy is essential for the glycolytic switch during cell differentiation. <i>EMBO Journal</i> , 2017, 36, 1688-1706.	3.5	245
12	Cytoplasmic STAT3 Represses Autophagy by Inhibiting PKR Activity. <i>Molecular Cell</i> , 2012, 48, 667-680.	4.5	239
13	Spermidine induces autophagy by inhibiting the acetyltransferase EP300. <i>Cell Death and Differentiation</i> , 2015, 22, 509-516.	5.0	237
14	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	7.2	221
15	Aging and chronic DNA damage response activate a regulatory pathway involving miR-29 and p53. <i>EMBO Journal</i> , 2011, 30, 2219-2232.	3.5	216
16	Autophagy: molecular mechanisms, physiological functions and relevance in human pathology. <i>Cellular and Molecular Life Sciences</i> , 2004, 61, 1439-1454.	2.4	203
17	Autophagy promotes survival of retinal ganglion cells after optic nerve axotomy in mice. <i>Cell Death and Differentiation</i> , 2012, 19, 162-169.	5.0	196
18	Lifespan Extension by Methionine Restriction Requires Autophagy-Dependent Vacuolar Acidification. <i>PLoS Genetics</i> , 2014, 10, e1004347.	1.5	192

#	ARTICLE	IF	CITATIONS
19	Human Autophagins, a Family of Cysteine Proteinases Potentially Implicated in Cell Degradation by Autophagy. <i>Journal of Biological Chemistry</i> , 2003, 278, 3671-3678.	1.6	189
20	Autophagy for tissue homeostasis and neuroprotection. <i>Current Opinion in Cell Biology</i> , 2011, 23, 198-206.	2.6	182
21	Autophagy inhibition radiosensitizes in vitro, yet reduces radioresponses in vivo due to deficient immunogenic signalling. <i>Cell Death and Differentiation</i> , 2014, 21, 92-99.	5.0	181
22	AMPK: Regulation of Metabolic Dynamics in the Context of Autophagy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3812.	1.8	176
23	Autophagy is essential for mouse sense of balance. <i>Journal of Clinical Investigation</i> , 2010, 120, 2331-2344.	3.9	167
24	Autophagic removal of micronuclei. <i>Cell Cycle</i> , 2012, 11, 170-176.	1.3	162
25	Mechanisms of apoptotic phosphatidylserine exposure. <i>Cell Research</i> , 2013, 23, 1247-1248.	5.7	150
26	Unsaturated fatty acids induce non-canonical autophagy. <i>EMBO Journal</i> , 2015, 34, 1025-1041.	3.5	147
27	Premature aging in mice activates a systemic metabolic response involving autophagy induction. <i>Human Molecular Genetics</i> , 2008, 17, 2196-2211.	1.4	141
28	p53 inhibits autophagy by interacting with the human ortholog of yeast Atg17, RB1CC1/FIP200. <i>Cell Cycle</i> , 2011, 10, 2763-2769.	1.3	131
29	Methionine Restriction Extends Lifespan in Progeroid Mice and Alters Lipid and Bile Acid Metabolism. <i>Cell Reports</i> , 2018, 24, 2392-2403.	2.9	125
30	Insulin-like growth factor 1 treatment extends longevity in a mouse model of human premature aging by restoring somatotroph axis function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16268-16273.	3.3	124
31	BH3 mimetics activate multiple pro-autophagic pathways. <i>Oncogene</i> , 2011, 30, 3918-3929.	2.6	111
32	Autophagy is required for the activation of NF- κ B. <i>Cell Cycle</i> , 2012, 11, 194-199.	1.3	107
33	Aspirin Recapitulates Features of Caloric Restriction. <i>Cell Reports</i> , 2018, 22, 2395-2407.	2.9	98
34	Pro-autophagic polyphenols reduce the acetylation of cytoplasmic proteins. <i>Cell Cycle</i> , 2012, 11, 3851-3860.	1.3	91
35	Caloric restriction mimetics: natural/physiological pharmacological autophagy inducers. <i>Autophagy</i> , 2014, 10, 1879-1882.	4.3	91
36	Oncosuppressive Functions of Autophagy. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 2251-2269.	2.5	86

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37	Inhibition of autophagy by TAB2 and TAB3. <i>EMBO Journal</i> , 2011, 30, 4908-4920.	3.5	85
38	ATG4B/autophagin-1 regulates intestinal homeostasis and protects mice from experimental colitis. <i>Autophagy</i> , 2013, 9, 1188-1200.	4.3	81
39	Autophagy counteracts weight gain, lipotoxicity and pancreatic β -cell death upon hypercaloric pro-diabetic regimens. <i>Cell Death and Disease</i> , 2017, 8, e2970-e2970.	2.7	78
40	Proteomic Profiling of Adipose Tissue from <i>Zmpste24</i> ^{-/-} Mice, a Model of Lipodystrophy and Premature Aging, Reveals Major Changes in Mitochondrial Function and Vimentin Processing. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.008094.	2.5	56
41	Neuroendocrine regulation of autophagy by leptin. <i>Cell Cycle</i> , 2011, 10, 2917-2923.	1.3	52
42	Coffee induces autophagy in vivo. <i>Cell Cycle</i> , 2014, 13, 1987-1994.	1.3	49
43	Ammonia: A Diffusible Factor Released by Proliferating Cells That Induces Autophagy. <i>Science Signaling</i> , 2010, 3, pe19.	1.6	48
44	Direct interaction between STAT3 and EIF2AK2 controls fatty acid-induced autophagy. <i>Autophagy</i> , 2013, 9, 415-417.	4.3	48
45	Selective killing of p53-deficient cancer cells by SP600125. <i>EMBO Molecular Medicine</i> , 2012, 4, 500-514.	3.3	47
46	Dimethyl α -ketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. <i>Autophagy</i> , 2014, 10, 930-932.	4.3	45
47	Acetyl-coenzyme A. <i>Autophagy</i> , 2014, 10, 1335-1337.	4.3	42
48	Longevity-relevant regulation of autophagy at the level of the acetylproteome. <i>Autophagy</i> , 2011, 7, 647-649.	4.3	34
49	Phosphoproteomic analysis of cells treated with longevity-related autophagy inducers. <i>Cell Cycle</i> , 2012, 11, 1827-1840.	1.3	33
50	Direct molecular interactions between Beclin 1 and the canonical NF κ B activation pathway. <i>Autophagy</i> , 2012, 8, 268-270.	4.3	31
51	BH3 mimetics reveal the network properties of autophagy-regulatory signaling cascades. <i>Autophagy</i> , 2011, 7, 914-916.	4.3	30
52	Autophagy in Ras-Induced Malignant Transformation: Fatal or Vital?. <i>Molecular Cell</i> , 2011, 42, 1-3.	4.5	28
53	Autophagy and aging: New lessons from progeroid mice. <i>Autophagy</i> , 2008, 4, 807-809.	4.3	27
54	Autophagy, proteases and the sense of balance. <i>Autophagy</i> , 2010, 6, 961-963.	4.3	24

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55	Cell autonomous and systemic factors in progeria development. <i>Biochemical Society Transactions</i> , 2011, 39, 1710-1714.	1.6	20
56	Autophagy and Aging: Lessons from Progeria Models. <i>Advances in Experimental Medicine and Biology</i> , 2010, 694, 61-68.	0.8	19
57	A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014, 10, 1143-1145.	4.3	18
58	Autophagy role in environmental pollutants exposure. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 172, 257-291.	0.9	15
59	Pathogenic Single Nucleotide Polymorphisms on Autophagy-Related Genes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8196.	1.8	14
60	Rejuvenating somatotrophic signaling: a therapeutical opportunity for premature aging?. <i>Aging</i> , 2010, 2, 1017-1022.	1.4	13
61	Autophagy extends lifespan via vacuolar acidification. <i>Microbial Cell</i> , 2014, 1, 160-162.	1.4	13
62	Relationship between PMN-endothelium interactions, ROS production and Beclin-1 in type 2 diabetes. <i>Redox Biology</i> , 2020, 34, 101563.	3.9	11
63	Immunosurveillance against cancer-associated hyperploidy. <i>Oncotarget</i> , 2012, 3, 1270-1271.	0.8	10
64	ATG4D is the main ATG8 delipidating enzyme in mammalian cells and protects against cerebellar neurodegeneration. <i>Cell Death and Differentiation</i> , 2021, 28, 2651-2672.	5.0	9
65	ATG4D role in mAtg8s delipidation and neuroprotection. <i>Autophagy</i> , 2021, 17, 1558-1560.	4.3	6
66	Tagged ATG8-Coding Constructs for the In Vitro and In Vivo Assessment of ATG4 Activity. <i>Methods in Enzymology</i> , 2017, 587, 189-205.	0.4	4
67	Inhibitor of growth protein 4 interacts with Beclin 1 and represses autophagy. <i>Oncotarget</i> , 2017, 8, 89527-89538.	0.8	4
68	Autophagy Deficiency by Atg4B Loss Leads to Metabolomic Alterations in Mice. <i>Metabolites</i> , 2021, 11, 481.	1.3	4