

# Guillermo Mario Garca

## List of Publications by Year in Descending Order

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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.

66  
papers

17,818  
citations

42  
h-index

71  
g-index

71  
ext. papers

20,025  
ext. citations

11  
avg, IF

6.46  
L-index

#	Paper	IF	Citations
66	ATG4D is the main ATG8 delipidating enzyme in mammalian cells and protects against cerebellar neurodegeneration. <i>Cell Death and Differentiation</i> , <b>2021</b> , 28, 2651-2672	12.7	2
65	ATG4D role in mAtg8s delipidation and neuroprotection. <i>Autophagy</i> , <b>2021</b> , 17, 1558-1560	10.2	0
64	Autophagy Deficiency by Atg4B Loss Leads to Metabolomic Alterations in Mice. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	1
63	Pathogenic Single Nucleotide Polymorphisms on Autophagy-Related Genes. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
62	Relationship between PMN-endothelium interactions, ROS production and Beclin-1 in type 2 diabetes. <i>Redox Biology</i> , <b>2020</b> , 34, 101563	11.3	4
61	Autophagy role in environmental pollutants exposure. <i>Progress in Molecular Biology and Translational Science</i> , <b>2020</b> , 172, 257-291	4	6
60	Aspirin Recapitulates Features of Caloric Restriction. <i>Cell Reports</i> , <b>2018</b> , 22, 2395-2407	10.6	80
59	Methionine Restriction Extends Lifespan in Progeroid Mice and Alters Lipid and Bile Acid Metabolism. <i>Cell Reports</i> , <b>2018</b> , 24, 2392-2403	10.6	72
58	AMPK: Regulation of Metabolic Dynamics in the Context of Autophagy. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	105
57	Programmed mitophagy is essential for the glycolytic switch during cell differentiation. <i>EMBO Journal</i> , <b>2017</b> , 36, 1688-1706	13	171
56	Inhibitor of growth protein 4 interacts with Beclin 1 and represses autophagy. <i>Oncotarget</i> , <b>2017</b> , 8, 89527-89538	3.5	34
55	Autophagy counteracts weight gain, lipotoxicity and pancreatic cell death upon hypercaloric pro-diabetic regimens. <i>Cell Death and Disease</i> , <b>2017</b> , 8, e2970	9.8	53
54	Tagged ATG8-Coding Constructs for the In Vitro and In Vivo Assessment of ATG4 Activity. <i>Methods in Enzymology</i> , <b>2017</b> , 587, 189-205	1.7	3
53	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
52	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. <i>Cancer Cell</i> , <b>2016</b> , 30, 147-160	24.3	285
51	Spermidine induces autophagy by inhibiting the acetyltransferase EP300. <i>Cell Death and Differentiation</i> , <b>2015</b> , 22, 509-16	12.7	168
50	Unsaturated fatty acids induce non-canonical autophagy. <i>EMBO Journal</i> , <b>2015</b> , 34, 1025-41	13	126

49	Regulation of autophagy by cytosolic acetyl-coenzyme A. <i>Molecular Cell</i> , <b>2014</b> , 53, 710-25	17.6	331
48	Self-consumption: the interplay of autophagy and apoptosis. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 81-94	48.7	1421
47	A histone point mutation that switches on autophagy. <i>Autophagy</i> , <b>2014</b> , 10, 1143-5	10.2	17
46	Acetyl-coenzyme A: a metabolic master regulator of autophagy and longevity. <i>Autophagy</i> , <b>2014</b> , 10, 1335-7	3.2	34
45	Lifespan extension by methionine restriction requires autophagy-dependent vacuolar acidification. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004347	6	143
44	Coffee induces autophagy in vivo. <i>Cell Cycle</i> , <b>2014</b> , 13, 1987-94	4.7	34
43	Dimethyl Eketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. <i>Autophagy</i> , <b>2014</b> , 10, 930-2	10.2	37
42	Autophagy inhibition radiosensitizes in vitro, yet reduces radioresponses in vivo due to deficient immunogenic signalling. <i>Cell Death and Differentiation</i> , <b>2014</b> , 21, 92-9	12.7	152
41	Nucleocytosolic depletion of the energy metabolite acetyl-coenzyme a stimulates autophagy and prolongs lifespan. <i>Cell Metabolism</i> , <b>2014</b> , 19, 431-44	24.6	189
40	Autophagy extends lifespan via vacuolar acidification. <i>Microbial Cell</i> , <b>2014</b> , 1, 160-162	3.9	10
39	Mechanisms of apoptotic phosphatidylserine exposure. <i>Cell Research</i> , <b>2013</b> , 23, 1247-8	24.7	99
38	Direct interaction between STAT3 and EIF2AK2 controls fatty acid-induced autophagy. <i>Autophagy</i> , <b>2013</b> , 9, 415-7	10.2	41
37	ATG4B/autophagin-1 regulates intestinal homeostasis and protects mice from experimental colitis. <i>Autophagy</i> , <b>2013</b> , 9, 1188-200	10.2	60
36	Autophagy is required for the activation of NFB. <i>Cell Cycle</i> , <b>2012</b> , 11, 194-9	4.7	94
35	Pro-autophagic polyphenols reduce the acetylation of cytoplasmic proteins. <i>Cell Cycle</i> , <b>2012</b> , 11, 3851-60	4.7	79
34	Cytoplasmic STAT3 represses autophagy by inhibiting PKR activity. <i>Molecular Cell</i> , <b>2012</b> , 48, 667-80	17.6	199
33	Direct molecular interactions between Beclin 1 and the canonical NFB activation pathway. <i>Autophagy</i> , <b>2012</b> , 8, 268-70	10.2	29
32	An immunosurveillance mechanism controls cancer cell ploidy. <i>Science</i> , <b>2012</b> , 337, 1678-84	33.3	299

31	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.2	44.2	2783
30	Phosphoproteomic analysis of cells treated with longevity-related autophagy inducers. <i>Cell Cycle</i> , <b>2012</b> , 11, 1827-40	4.7	28
29	Selective killing of p53-deficient cancer cells by SP600125. <i>EMBO Molecular Medicine</i> , <b>2012</b> , 4, 500-14	12	43
28	Autophagic removal of micronuclei. <i>Cell Cycle</i> , <b>2012</b> , 11, 170-6	4.7	130
27	Autophagy promotes survival of retinal ganglion cells after optic nerve axotomy in mice. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 162-9	12.7	146
26	Cell autonomous and systemic factors in progeria development. <i>Biochemical Society Transactions</i> , <b>2011</b> , 39, 1710-4	5.1	17
25	Autophagy and aging. <i>Cell</i> , <b>2011</b> , 146, 682-95	56.2	1506
24	Autophagy in Ras-induced malignant transformation: fatal or vital?. <i>Molecular Cell</i> , <b>2011</b> , 42, 1-3	17.6	27
23	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. <i>Journal of Cell Biology</i> , <b>2011</b> , 192, 615-29	7.3	362
22	BH3 mimetics activate multiple pro-autophagic pathways. <i>Oncogene</i> , <b>2011</b> , 30, 3918-29	9.2	101
21	Aging and chronic DNA damage response activate a regulatory pathway involving miR-29 and p53. <i>EMBO Journal</i> , <b>2011</b> , 30, 2219-32	13	182
20	Autophagy for tissue homeostasis and neuroprotection. <i>Current Opinion in Cell Biology</i> , <b>2011</b> , 23, 198-206		162
19	Proteomic profiling of adipose tissue from Zmpste24 <sup>-/-</sup> mice, a model of lipodystrophy and premature aging, reveals major changes in mitochondrial function and vimentin processing. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M111.008094	7.6	46
18	Oncosuppressive functions of autophagy. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 14, 2251-69	8.4	74
17	BH3 mimetics reveal the network properties of autophagy-regulatory signaling cascades. <i>Autophagy</i> , <b>2011</b> , 7, 914-6	10.2	27
16	Longevity-relevant regulation of autophagy at the level of the acetylproteome. <i>Autophagy</i> , <b>2011</b> , 7, 647-652	6.2	30
15	p53 inhibits autophagy by interacting with the human ortholog of yeast Atg17, RB1CC1/FIP200. <i>Cell Cycle</i> , <b>2011</b> , 10, 2763-9	4.7	117
14	Neuroendocrine regulation of autophagy by leptin. <i>Cell Cycle</i> , <b>2011</b> , 10, 2917-23	4.7	43

13	Inhibition of autophagy by TAB2 and TAB3. <i>EMBO Journal</i> , <b>2011</b> , 30, 4908-20	13	79
12	Rejuvenating somatotrophic signaling: a therapeutical opportunity for premature aging?. <i>Aging</i> , <b>2010</b> , 2, 1017-22	5.6	11
11	Autophagy and aging: lessons from progeria models. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 694, 61-8	3.6	18
10	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> , <b>2010</b> , 107, 16268-73	11.5	105
9	Autophagy, proteases and the sense of balance. <i>Autophagy</i> , <b>2010</b> , 6, 961-3	10.2	20
8	Autophagy and the integrated stress response. <i>Molecular Cell</i> , <b>2010</b> , 40, 280-93	17.6	2474
7	Ammonia: a diffusible factor released by proliferating cells that induces autophagy. <i>Science Signaling</i> , <b>2010</b> , 3, pe19	8.8	41
6	Autophagy is essential for mouse sense of balance. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 2331-44	15.9	137
5	Autophagy and aging: new lessons from progeroid mice. <i>Autophagy</i> , <b>2008</b> , 4, 807-9	10.2	26
4	Premature aging in mice activates a systemic metabolic response involving autophagy induction. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 2196-211	5.6	123
3	Tissue-specific autophagy alterations and increased tumorigenesis in mice deficient in Atg4C/autophagin-3. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 18573-18583	5.4	335
2	Autophagy: molecular mechanisms, physiological functions and relevance in human pathology. <i>Cellular and Molecular Life Sciences</i> , <b>2004</b> , 61, 1439-54	10.3	181
1	Human autophagins, a family of cysteine proteinases potentially implicated in cell degradation by autophagy. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 3671-8	5.4	172