

Guillermo Mario Garca

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.

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 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222 | 10.2 | 3838 |
| 65 | Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544 | 10.2 | 2783 |
| 64 | Autophagy and the integrated stress response. <i>Molecular Cell</i> , 2010 , 40, 280-93 | 17.6 | 2474 |
| 63 | Autophagy and aging. <i>Cell</i> , 2011 , 146, 682-95 | 56.2 | 1506 |
| 62 | Self-consumption: the interplay of autophagy and apoptosis. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 81-94 | 48.7 | 1421 |
| 61 | Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. <i>Journal of Cell Biology</i> , 2011 , 192, 615-29 | 7.3 | 362 |
| 60 | Tissue-specific autophagy alterations and increased tumorigenesis in mice deficient in Atg4C/autophagin-3. <i>Journal of Biological Chemistry</i> , 2007 , 282, 18573-18583 | 5.4 | 335 |
| 59 | Regulation of autophagy by cytosolic acetyl-coenzyme A. <i>Molecular Cell</i> , 2014 , 53, 710-25 | 17.6 | 331 |
| 58 | An immunosurveillance mechanism controls cancer cell ploidy. <i>Science</i> , 2012 , 337, 1678-84 | 33.3 | 299 |
| 57 | Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. <i>Cancer Cell</i> , 2016 , 30, 147-160 | 24.3 | 285 |
| 56 | Cytoplasmic STAT3 represses autophagy by inhibiting PKR activity. <i>Molecular Cell</i> , 2012 , 48, 667-80 | 17.6 | 199 |
| 55 | Nucleocytosolic depletion of the energy metabolite acetyl-coenzyme a stimulates autophagy and prolongs lifespan. <i>Cell Metabolism</i> , 2014 , 19, 431-44 | 24.6 | 189 |
| 54 | Aging and chronic DNA damage response activate a regulatory pathway involving miR-29 and p53. <i>EMBO Journal</i> , 2011 , 30, 2219-32 | 13 | 182 |
| 53 | Autophagy: molecular mechanisms, physiological functions and relevance in human pathology. <i>Cellular and Molecular Life Sciences</i> , 2004 , 61, 1439-54 | 10.3 | 181 |
| 52 | Human autophagins, a family of cysteine proteinases potentially implicated in cell degradation by autophagy. <i>Journal of Biological Chemistry</i> , 2003 , 278, 3671-8 | 5.4 | 172 |
| 51 | Programmed mitophagy is essential for the glycolytic switch during cell differentiation. <i>EMBO Journal</i> , 2017 , 36, 1688-1706 | 13 | 171 |
| 50 | Spermidine induces autophagy by inhibiting the acetyltransferase EP300. <i>Cell Death and Differentiation</i> , 2015 , 22, 509-16 | 12.7 | 168 |

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|----|---|------|-----|
| 49 | Autophagy for tissue homeostasis and neuroprotection. <i>Current Opinion in Cell Biology</i> , 2011 , 23, 198-206 | | 162 |
| 48 | Autophagy inhibition radiosensitizes in vitro, yet reduces radioresponses in vivo due to deficient immunogenic signalling. <i>Cell Death and Differentiation</i> , 2014 , 21, 92-9 | 12.7 | 152 |
| 47 | 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 |
| 46 | Lifespan extension by methionine restriction requires autophagy-dependent vacuolar acidification. <i>PLoS Genetics</i> , 2014 , 10, e1004347 | 6 | 143 |
| 45 | Autophagy is essential for mouse sense of balance. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2331-44 | 15.9 | 137 |
| 44 | Autophagic removal of micronuclei. <i>Cell Cycle</i> , 2012 , 11, 170-6 | 4.7 | 130 |
| 43 | Unsaturated fatty acids induce non-canonical autophagy. <i>EMBO Journal</i> , 2015 , 34, 1025-41 | 13 | 126 |
| 42 | Premature aging in mice activates a systemic metabolic response involving autophagy induction. <i>Human Molecular Genetics</i> , 2008 , 17, 2196-211 | 5.6 | 123 |
| 41 | p53 inhibits autophagy by interacting with the human ortholog of yeast Atg17, RB1CC1/FIP200. <i>Cell Cycle</i> , 2011 , 10, 2763-9 | 4.7 | 117 |
| 40 | 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, 16268-73 | 11.5 | 105 |
| 39 | AMPK: Regulation of Metabolic Dynamics in the Context of Autophagy. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 105 |
| 38 | BH3 mimetics activate multiple pro-autophagic pathways. <i>Oncogene</i> , 2011 , 30, 3918-29 | 9.2 | 101 |
| 37 | Mechanisms of apoptotic phosphatidylserine exposure. <i>Cell Research</i> , 2013 , 23, 1247-8 | 24.7 | 99 |
| 36 | Autophagy is required for the activation of NFB. <i>Cell Cycle</i> , 2012 , 11, 194-9 | 4.7 | 94 |
| 35 | Aspirin Recapitulates Features of Caloric Restriction. <i>Cell Reports</i> , 2018 , 22, 2395-2407 | 10.6 | 80 |
| 34 | Pro-autophagic polyphenols reduce the acetylation of cytoplasmic proteins. <i>Cell Cycle</i> , 2012 , 11, 3851-60 | 4.7 | 79 |
| 33 | Inhibition of autophagy by TAB2 and TAB3. <i>EMBO Journal</i> , 2011 , 30, 4908-20 | 13 | 79 |
| 32 | Oncosuppressive functions of autophagy. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 2251-69 | 8.4 | 74 |

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|----|---|------|----|
| 31 | Methionine Restriction Extends Lifespan in Progeroid Mice and Alters Lipid and Bile Acid Metabolism. <i>Cell Reports</i> , 2018 , 24, 2392-2403 | 10.6 | 72 |
| 30 | ATG4B/autophagin-1 regulates intestinal homeostasis and protects mice from experimental colitis. <i>Autophagy</i> , 2013 , 9, 1188-200 | 10.2 | 60 |
| 29 | 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 |
| 28 | 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 | 7.6 | 46 |
| 27 | Selective killing of p53-deficient cancer cells by SP600125. <i>EMBO Molecular Medicine</i> , 2012 , 4, 500-14 | 12 | 43 |
| 26 | Neuroendocrine regulation of autophagy by leptin. <i>Cell Cycle</i> , 2011 , 10, 2917-23 | 4.7 | 43 |
| 25 | Direct interaction between STAT3 and EIF2AK2 controls fatty acid-induced autophagy. <i>Autophagy</i> , 2013 , 9, 415-7 | 10.2 | 41 |
| 24 | Ammonia: a diffusible factor released by proliferating cells that induces autophagy. <i>Science Signaling</i> , 2010 , 3, pe19 | 8.8 | 41 |
| 23 | Dimethyl β ketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. <i>Autophagy</i> , 2014 , 10, 930-2 | 10.2 | 37 |
| 22 | Acetyl-coenzyme A: a metabolic master regulator of autophagy and longevity. <i>Autophagy</i> , 2014 , 10, 1335-7 | 10.2 | 34 |
| 21 | Coffee induces autophagy in vivo. <i>Cell Cycle</i> , 2014 , 13, 1987-94 | 4.7 | 34 |
| 20 | Longevity-relevant regulation of autophagy at the level of the acetylproteome. <i>Autophagy</i> , 2011 , 7, 647-60 | 10.2 | 30 |
| 19 | Direct molecular interactions between Beclin 1 and the canonical NFB activation pathway. <i>Autophagy</i> , 2012 , 8, 268-70 | 10.2 | 29 |
| 18 | Phosphoproteomic analysis of cells treated with longevity-related autophagy inducers. <i>Cell Cycle</i> , 2012 , 11, 1827-40 | 4.7 | 28 |
| 17 | Autophagy in Ras-induced malignant transformation: fatal or vital?. <i>Molecular Cell</i> , 2011 , 42, 1-3 | 17.6 | 27 |
| 16 | BH3 mimetics reveal the network properties of autophagy-regulatory signaling cascades. <i>Autophagy</i> , 2011 , 7, 914-6 | 10.2 | 27 |
| 15 | Autophagy and aging: new lessons from progeroid mice. <i>Autophagy</i> , 2008 , 4, 807-9 | 10.2 | 26 |
| 14 | Autophagy, proteases and the sense of balance. <i>Autophagy</i> , 2010 , 6, 961-3 | 10.2 | 20 |

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|----|--|------|----|
| 13 | Autophagy and aging: lessons from progeria models. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 61-8 | 3.6 | 18 |
| 12 | A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014 , 10, 1143-5 | 10.2 | 17 |
| 11 | Cell autonomous and systemic factors in progeria development. <i>Biochemical Society Transactions</i> , 2011 , 39, 1710-4 | 5.1 | 17 |
| 10 | Rejuvenating somatotropic signaling: a therapeutical opportunity for premature aging?. <i>Aging</i> , 2010 , 2, 1017-22 | 5.6 | 11 |
| 9 | Autophagy extends lifespan via vacuolar acidification. <i>Microbial Cell</i> , 2014 , 1, 160-162 | 3.9 | 10 |
| 8 | Autophagy role in environmental pollutants exposure. <i>Progress in Molecular Biology and Translational Science</i> , 2020 , 172, 257-291 | 4 | 6 |
| 7 | Pathogenic Single Nucleotide Polymorphisms on Autophagy-Related Genes. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 4 |
| 6 | Relationship between PMN-endothelium interactions, ROS production and Beclin-1 in type 2 diabetes. <i>Redox Biology</i> , 2020 , 34, 101563 | 11.3 | 4 |
| 5 | Inhibitor of growth protein 4 interacts with Beclin 1 and represses autophagy. <i>Oncotarget</i> , 2017 , 8, 89523-89538 | 3.9 | 4 |
| 4 | Tagged ATG8-Coding Constructs for the In Vitro and In Vivo Assessment of ATG4 Activity. <i>Methods in Enzymology</i> , 2017 , 587, 189-205 | 1.7 | 3 |
| 3 | 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 | 12.7 | 2 |
| 2 | Autophagy Deficiency by Atg4B Loss Leads to Metabolomic Alterations in Mice. <i>Metabolites</i> , 2021 , 11, | 5.6 | 1 |
| 1 | ATG4D role in mAtg8s delipidation and neuroprotection. <i>Autophagy</i> , 2021 , 17, 1558-1560 | 10.2 | 0 |