

Guillermo Mariño García

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

21,578
citations

61687

45
h-index

107981

68
g-index

71
all docs

71
docs citations

71
times ranked

37991
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | ATG4D role in mAtg8s delipidation and neuroprotection. <i>Autophagy</i> , 2021, 17, 1558-1560. | 4.3 | 6 |
| 3 | Autophagy Deficiency by Atg4B Loss Leads to Metabolomic Alterations in Mice. <i>Metabolites</i> , 2021, 11, 481. | 1.3 | 4 |
| 4 | Pathogenic Single Nucleotide Polymorphisms on Autophagy-Related Genes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8196. | 1.8 | 14 |
| 5 | Relationship between PMN-endothelium interactions, ROS production and Beclin-1 in type 2 diabetes. <i>Redox Biology</i> , 2020, 34, 101563. | 3.9 | 11 |
| 6 | Autophagy role in environmental pollutants exposure. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 172, 257-291. | 0.9 | 15 |
| 7 | Aspirin Recapitulates Features of Caloric Restriction. <i>Cell Reports</i> , 2018, 22, 2395-2407. | 2.9 | 98 |
| 8 | AMPK: Regulation of Metabolic Dynamics in the Context of Autophagy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3812. | 1.8 | 176 |
| 9 | 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 |
| 10 | Programmed mitophagy is essential for the glycolytic switch during cell differentiation. <i>EMBO Journal</i> , 2017, 36, 1688-1706. | 3.5 | 245 |
| 11 | 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 |
| 12 | 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 |
| 13 | Inhibitor of growth protein 4 interacts with Beclin 1 and represses autophagy. <i>Oncotarget</i> , 2017, 8, 89527-89538. | 0.8 | 4 |
| 14 | Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. <i>Cancer Cell</i> , 2016, 30, 147-160. | 7.7 | 410 |
| 15 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222. | 4.3 | 4,701 |
| 16 | Unsaturated fatty acids induce non-canonical autophagy. <i>EMBO Journal</i> , 2015, 34, 1025-1041. | 3.5 | 147 |
| 17 | Spermidine induces autophagy by inhibiting the acetyltransferase EP300. <i>Cell Death and Differentiation</i> , 2015, 22, 509-516. | 5.0 | 237 |
| 18 | A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014, 10, 1143-1145. | 4.3 | 18 |

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|----|---|------|-----------|
| 19 | Acetyl-coenzyme A. <i>Autophagy</i> , 2014, 10, 1335-1337. | 4.3 | 42 |
| 20 | Lifespan Extension by Methionine Restriction Requires Autophagy-Dependent Vacuolar Acidification. <i>PLoS Genetics</i> , 2014, 10, e1004347. | 1.5 | 192 |
| 21 | Coffee induces autophagy in vivo. <i>Cell Cycle</i> , 2014, 13, 1987-1994. | 1.3 | 49 |
| 22 | Caloric restriction mimetics: natural/physiological pharmacological autophagy inducers. <i>Autophagy</i> , 2014, 10, 1879-1882. | 4.3 | 91 |
| 23 | Dimethyl α -ketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. <i>Autophagy</i> , 2014, 10, 930-932. | 4.3 | 45 |
| 24 | 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 |
| 25 | 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 |
| 26 | Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. <i>Molecular Cell</i> , 2014, 53, 710-725. | 4.5 | 412 |
| 27 | Self-consumption: the interplay of autophagy and apoptosis. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 81-94. | 16.1 | 1,769 |
| 28 | Autophagy extends lifespan via vacuolar acidification. <i>Microbial Cell</i> , 2014, 1, 160-162. | 1.4 | 13 |
| 29 | Mechanisms of apoptotic phosphatidylserine exposure. <i>Cell Research</i> , 2013, 23, 1247-1248. | 5.7 | 150 |
| 30 | Direct interaction between STAT3 and EIF2AK2 controls fatty acid-induced autophagy. <i>Autophagy</i> , 2013, 9, 415-417. | 4.3 | 48 |
| 31 | ATG4B/autophagin-1 regulates intestinal homeostasis and protects mice from experimental colitis. <i>Autophagy</i> , 2013, 9, 1188-1200. | 4.3 | 81 |
| 32 | 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 |
| 33 | Autophagy is required for the activation of NF κ B. <i>Cell Cycle</i> , 2012, 11, 194-199. | 1.3 | 107 |
| 34 | Pro-autophagic polyphenols reduce the acetylation of cytoplasmic proteins. <i>Cell Cycle</i> , 2012, 11, 3851-3860. | 1.3 | 91 |
| 35 | Cytoplasmic STAT3 Represses Autophagy by Inhibiting PKR Activity. <i>Molecular Cell</i> , 2012, 48, 667-680. | 4.5 | 239 |
| 36 | Direct molecular interactions between Beclin 1 and the canonical NF κ B activation pathway. <i>Autophagy</i> , 2012, 8, 268-270. | 4.3 | 31 |

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|----|--|------|-----------|
| 37 | An Immunosurveillance Mechanism Controls Cancer Cell Ploidy. <i>Science</i> , 2012, 337, 1678-1684. | 6.0 | 367 |
| 38 | Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544. | 4.3 | 3,122 |
| 39 | Phosphoproteomic analysis of cells treated with longevity-related autophagy inducers. <i>Cell Cycle</i> , 2012, 11, 1827-1840. | 1.3 | 33 |
| 40 | Selective killing of p53-deficient cancer cells by SP600125. <i>EMBO Molecular Medicine</i> , 2012, 4, 500-514. | 3.3 | 47 |
| 41 | Autophagic removal of micronuclei. <i>Cell Cycle</i> , 2012, 11, 170-176. | 1.3 | 162 |
| 42 | Immunosurveillance against cancer-associated hyperploidy. <i>Oncotarget</i> , 2012, 3, 1270-1271. | 0.8 | 10 |
| 43 | Oncosuppressive Functions of Autophagy. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 2251-2269. | 2.5 | 86 |
| 44 | Cell autonomous and systemic factors in progeria development. <i>Biochemical Society Transactions</i> , 2011, 39, 1710-1714. | 1.6 | 20 |
| 45 | Autophagy and Aging. <i>Cell</i> , 2011, 146, 682-695. | 13.5 | 1,809 |
| 46 | Autophagy in Ras-Induced Malignant Transformation: Fatal or Vital?. <i>Molecular Cell</i> , 2011, 42, 1-3. | 4.5 | 28 |
| 47 | 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 |
| 48 | BH3 mimetics activate multiple pro-autophagic pathways. <i>Oncogene</i> , 2011, 30, 3918-3929. | 2.6 | 111 |
| 49 | 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 |
| 50 | Autophagy for tissue homeostasis and neuroprotection. <i>Current Opinion in Cell Biology</i> , 2011, 23, 198-206. | 2.6 | 182 |
| 51 | Proteomic Profiling of Adipose Tissue from Zmpste24 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 |
| 52 | BH3 mimetics reveal the network properties of autophagy-regulatory signaling cascades. <i>Autophagy</i> , 2011, 7, 914-916. | 4.3 | 30 |
| 53 | Longevity-relevant regulation of autophagy at the level of the acetylproteome. <i>Autophagy</i> , 2011, 7, 647-649. | 4.3 | 34 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | Neuroendocrine regulation of autophagy by leptin. <i>Cell Cycle</i> , 2011, 10, 2917-2923. | 1.3 | 52 |
| 56 | Inhibition of autophagy by TAB2 and TAB3. <i>EMBO Journal</i> , 2011, 30, 4908-4920. | 3.5 | 85 |
| 57 | Ammonia: A Diffusible Factor Released by Proliferating Cells That Induces Autophagy. <i>Science Signaling</i> , 2010, 3, pe19. | 1.6 | 48 |
| 58 | Rejuvenating somatotrophic signaling: a therapeutical opportunity for premature aging?. <i>Aging</i> , 2010, 2, 1017-1022. | 1.4 | 13 |
| 59 | Autophagy and Aging: Lessons from Progeria Models. <i>Advances in Experimental Medicine and Biology</i> , 2010, 694, 61-68. | 0.8 | 19 |
| 60 | 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 |
| 61 | Autophagy, proteases and the sense of balance. <i>Autophagy</i> , 2010, 6, 961-963. | 4.3 | 24 |
| 62 | Autophagy and the Integrated Stress Response. <i>Molecular Cell</i> , 2010, 40, 280-293. | 4.5 | 2,982 |
| 63 | Autophagy is essential for mouse sense of balance. <i>Journal of Clinical Investigation</i> , 2010, 120, 2331-2344. | 3.9 | 167 |
| 64 | Autophagy and aging: New lessons from progeroid mice. <i>Autophagy</i> , 2008, 4, 807-809. | 4.3 | 27 |
| 65 | Premature aging in mice activates a systemic metabolic response involving autophagy induction. <i>Human Molecular Genetics</i> , 2008, 17, 2196-2211. | 1.4 | 141 |
| 66 | 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 |
| 67 | Autophagy: molecular mechanisms, physiological functions and relevance in human pathology. <i>Cellular and Molecular Life Sciences</i> , 2004, 61, 1439-1454. | 2.4 | 203 |
| 68 | 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 |