# Bernadette M Carroll

List of Publications by Year
in descending order



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|---|---|---|---|
| 24 papers | 7,203 citations | 331259 21 h-index | 642321 23 g-index |
| 27 all docs | 27 docs citations | 27 times ranked | 17070 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 | Mitochondria are required for proâ€ageing features of the senescent phenotype. EMBO Journal, 2016, 35, 724-742. | 3.5 | 527 |
| 3 | Mitochondria in Cell Senescence: Is Mitophagy the Weakest Link?. EBioMedicine, 2017, 21, 7-13. | 2.7 | 260 |
| 4 | Impaired Autophagy in the Lipid-Storage Disorder Niemann-Pick Type C1 Disease. Cell Reports, 2013, 5, 1302-1315. | 2.9 | 232 |
| 5 | Autophagy, lipophagy and lysosomal lipid storage disorders. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 269-284. | 1.2 | 189 |
| 6 | Control of TSC2-Rheb signaling axis by arginine regulates mTORC1 activity. ELife, 2016, 5, . | 2.8 | 147 |
| 7 | The lysosome: a crucial hub for AMPK and mTORC1 signalling. Biochemical Journal, 2017, 474, 1453-1466. | 1.7 | 143 |
| 8 | Oxidation of SQSTM1/p62 mediates the link between redox state and protein homeostasis. Nature Communications, 2018, 9, 256. | 5.8 | 132 |
| 9 | SQSTM1/p62 mediates crosstalk between autophagy and the UPS in DNA repair. Autophagy, 2016, 12, 1917-1930. | 4.3 | 120 |
| 10 | Persistent mTORC1 signaling in cell senescence results from defects in amino acid and growth factor sensing. Journal of Cell Biology, 2017, 216, 1949-1957. | 2.3 | 106 |
| 11 | Neutrophils induce paracrine telomere dysfunction and senescence in ROSâ€dependent manner. EMBO Journal, 2021, 40, e106048. | 3.5 | 101 |
| 12 | Amino acids and autophagy: cross-talk and co-operation to control cellular homeostasis. Amino Acids, 2015, 47, 2065-2088. | 1.2 | 80 |
| 13 | The TBC/RabGAP Armus Coordinates Rac1 and Rab7 Functions during Autophagy. Developmental Cell, 2013, 25, 15-28. | 3.1 | 79 |
| 14 | G3BPs tether the TSC complex to lysosomes and suppress mTORC1 signaling. Cell, 2021, 184, 655-674.e27. | 13.5 | 65 |
| 15 | Rapamycin improves healthspan but not inflammaging in nfl<sup>ø</sup>b1<sup>â^'/â^'</sup> mice. Aging Cell, 2019, 18, e12882. | 3.0 | 59 |
| 16 | Dual Proteolytic Pathways Govern Glycolysis and Immune Competence. Cell, 2014, 159, 1578-1590. | 13.5 | 54 |
| 17 | Autophagy and ageing: implications for age-related neurodegenerative diseases. Essays in Biochemistry, 2013, 55, 119-131. | 2.1 | 45 |
| 18 | mTORC1 activity is supported by spatial association with focal adhesions. Journal of Cell Biology, 2021, 220, . | 2.3 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Epidemics of squirrelpox virus disease in red squirrels (Sciurus vulgaris): temporal and serological findings. Epidemiology and Infection, 2009, 137, 257-265. | 1.0 | 35 |
| 20 | Nutrient sensing, growth and senescence. FEBS Journal, 2018, 285, 1948-1958. | 2.2 | 34 |
| 21 | The mTORC1-autophagy pathway is a target for senescent cell elimination. Biogerontology, 2019, 20, 331-335. | 2.0 | 24 |
| 22 | Spatial regulation of mTORC1 signalling: Beyond the Rag GTPases. Seminars in Cell and Developmental Biology, 2020, 107, 103-111. | 2.3 | 19 |
| 23 | Dysregulation of mTORC1/autophagy axis in senescence. Aging, 2017, 9, 1851-1852. | 1.4 | 7 |
| 24 | Mechanisms of Cross-Talk between Intracellular Protein Degradation Pathways. , 2015, , 103-119. | | 0 |