# Kay F Macleod

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 42 papers | 13,784 citations | 27 h-index | 43 g-index |
| 43 ext. papers | 15,764 ext. citations | 9.7 avg, IF | 6.23 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 42 | ULK1 promotes mitophagy via phosphorylation and stabilization of BNIP3. *Scientific Reports*, **2021**, 11, 20526 | 4.9 | 9 |
| 41 | Mitophagy in tumorigenesis and metastasis. *Cellular and Molecular Life Sciences*, **2021**, 78, 3817-3851 | 10.3 | 20 |
| 40 | BNIP3-dependent mitophagy promotes cytosolic localization of LC3B and metabolic homeostasis in the liver. *Autophagy*, **2021**, 17, 3530-3546 | 10.2 | 7 |
| 39 | Autophagy in major human diseases. *EMBO Journal*, **2021**, 40, e108863 | 13 | 79 |
| 38 | Mitophagy and Mitochondrial Dysfunction in Cancer. *Annual Review of Cancer Biology*, **2020**, 4, 41-60 | 13.3 | 24 |
| 37 | Autophagy and cancer cell metabolism. *International Review of Cell and Molecular Biology*, **2019**, 347, 145-190 | 6 | 23 |
| 36 | Oncogenic KRAS Induces NIX-Mediated Mitophagy to Promote Pancreatic Cancer. *Cancer Discovery*, **2019**, 9, 1268-1287 | 24.4 | 69 |
| 35 | Autophagy, cancer stem cells and drug resistance. *Journal of Pathology*, **2019**, 247, 708-718 | 9.4 | 147 |
| 34 | Dia1-dependent adhesions are required by epithelial tissues to initiate invasion. *Journal of Cell Biology*, **2018**, 217, 1485-1502 | 7.3 | 15 |
| 33 | Functions of autophagy in the tumor microenvironment and cancer metastasis. *FEBS Journal*, **2018**, 285, 1751-1766 | 5.7 | 110 |
| 32 | Autophagic degradation of focal adhesions underlies metastatic cancer dissemination. *Molecular and Cellular Oncology*, **2017**, 4, e1198299 | 1.2 | 4 |
| 31 | Expanding perspectives on the significance of mitophagy in cancer. *Seminars in Cancer Biology*, **2017**, 47, 110-124 | 12.7 | 94 |
| 30 | mTOR and HDAC Inhibitors Converge on the TXNIP/Thioredoxin Pathway to Cause Catastrophic Oxidative Stress and Regression of RAS-Driven Tumors. *Cancer Discovery*, **2017**, 7, 1450-1463 | 24.4 | 59 |
| 29 | Autophagy gene ATG7 regulates ultraviolet radiation-induced inflammation and skin tumorigenesis. *Autophagy*, **2017**, 13, 2086-2103 | 10.2 | 47 |
| 28 | Novel insights into how autophagy regulates tumor cell motility. *Autophagy*, **2016**, 12, 1679-80 | 10.2 | 26 |
| 27 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222 | 10.2 | 3838 |
| 26 | Autophagy Promotes Focal Adhesion Disassembly and Cell Motility of Metastatic Tumor Cells through the Direct Interaction of Paxillin with LC3. *Cell Reports*, **2016**, 15, 1660-72 | 10.6 | 180 |

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|---|---|---|---|
| 25 | In Brief: Mitophagy: mechanisms and role in human disease. *Journal of Pathology*, **2016**, 240, 253-255 | 9.4 | 87 |
| 24 | Mitophagy and cancer. *Cancer & Metabolism*, **2015**, 3, 4 | 5.4 | 157 |
| 23 | Tumor suppressor functions of BNIP3 and mitophagy. *Autophagy*, **2015**, 11, 1937-8 | 10.2 | 82 |
| 22 | Mitophagy defects arising from BNip3 loss promote mammary tumor progression to metastasis. *EMBO Reports*, **2015**, 16, 1145-63 | 6.5 | 169 |
| 21 | Tumour suppressor gene function in carcinoma-associated fibroblasts: from tumour cells via EMT and back again?. *Journal of Pathology*, **2014**, 232, 283-8 | 9.4 | 28 |
| 20 | p62/SQSTM1 accumulation in squamous cell carcinoma of head and neck predicts sensitivity to phosphatidylinositol 3-kinase pathway inhibitors. *PLoS ONE*, **2014**, 9, e90171 | 3.7 | 19 |
| 19 | Mammary cancer initiation and progression studied with magnetic resonance imaging. *Breast Cancer Research*, **2014**, 16, 495 | 8.3 | 8 |
| 18 | Mitochondrial dysfunction in cancer. *Frontiers in Oncology*, **2013**, 3, 292 | 5.3 | 293 |
| 17 | Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544 | 10.2 | 2783 |
| 16 | BNip3 regulates mitochondrial function and lipid metabolism in the liver. *Molecular and Cellular Biology*, **2012**, 32, 2570-84 | 4.8 | 150 |
| 15 | Exploiting cancer cell vulnerabilities to develop a combination therapy for ras-driven tumors. *Cancer Cell*, **2011**, 20, 400-13 | 24.3 | 199 |
| 14 | Autophagy: assays and artifacts. *Journal of Pathology*, **2010**, 221, 117-24 | 9.4 | 584 |
| 13 | Autophagy: cellular and molecular mechanisms. *Journal of Pathology*, **2010**, 221, 3-12 | 9.4 | 1813 |
| 12 | The RB tumor suppressor: a gatekeeper to hormone independence in prostate cancer?. *Journal of Clinical Investigation*, **2010**, 120, 4179-82 | 15.9 | 22 |
| 11 | Elevated poly-(ADP-ribose)-polymerase activity sensitizes retinoblastoma-deficient cells to DNA damage-induced necrosis. *Molecular Cancer Research*, **2009**, 7, 1099-109 | 6.6 | 16 |
| 10 | The role of the RB tumour suppressor pathway in oxidative stress responses in the haematopoietic system. *Nature Reviews Cancer*, **2008**, 8, 769-81 | 31.3 | 47 |
| 9 | Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. *Autophagy*, **2008**, 4, 151-75 | 10.2 | 1920 |
| 8 | Deregulated E2f-2 underlies cell cycle and maturation defects in retinoblastoma null erythroblasts. *Molecular and Cellular Biology*, **2007**, 27, 8713-28 | 4.8 | 48 |

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| 7 | Regulation of mitochondrial integrity, autophagy and cell survival by BNIP3. *Autophagy*, **2007**, 3, 616-9 | 10.2 | 64 |
| 6 | Effects of hypoxia on heterotypic macrophage interactions. *Cell Cycle*, **2007**, 6, 2620-4 | 4.7 | 6 |
| 5 | Hypoxic stress underlies defects in erythroblast islands in the Rb-null mouse. *Blood*, **2007**, 110, 2173-81 | 2.2 | 22 |
| 4 | BNIP3 is an RB/E2F target gene required for hypoxia-induced autophagy. *Molecular and Cellular Biology*, **2007**, 27, 6229-42 | 4.8 | 295 |
| 3 | Unrestrained erythroblast development in Nix-/- mice reveals a mechanism for apoptotic modulation of erythropoiesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 6794-9 | 11.5 | 115 |
| 2 | The Rb tumor suppressor in stress responses and hematopoietic homeostasis. *Cell Cycle*, **2005**, 4, 42-5 | 4.7 | 22 |
| 1 | The Rb tumor suppressor is required for stress erythropoiesis. *EMBO Journal*, **2004**, 23, 4319-29 | 13 | 84 |