Kay F Macleod

List of Publications by Citations

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
41	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
40	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. *Autophagy*, **2008**, 4, 151-75	10.2	1920
39	Autophagy: cellular and molecular mechanisms. *Journal of Pathology*, **2010**, 221, 3-12	9.4	1813
38	Autophagy: assays and artifacts. *Journal of Pathology*, **2010**, 221, 117-24	9.4	584
37	BNIP3 is an RB/E2F target gene required for hypoxia-induced autophagy. *Molecular and Cellular Biology*, **2007**, 27, 6229-42	4.8	295
36	Mitochondrial dysfunction in cancer. *Frontiers in Oncology*, **2013**, 3, 292	5.3	293
35	Exploiting cancer cell vulnerabilities to develop a combination therapy for ras-driven tumors. *Cancer Cell*, **2011**, 20, 400-13	24.3	199
34	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
33	Mitophagy defects arising from BNip3 loss promote mammary tumor progression to metastasis. *EMBO Reports*, **2015**, 16, 1145-63	6.5	169
32	Mitophagy and cancer. *Cancer & Metabolism*, **2015**, 3, 4	5.4	157
31	BNip3 regulates mitochondrial function and lipid metabolism in the liver. *Molecular and Cellular Biology*, **2012**, 32, 2570-84	4.8	150
30	Autophagy, cancer stem cells and drug resistance. *Journal of Pathology*, **2019**, 247, 708-718	9.4	147
29	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
28	Functions of autophagy in the tumor microenvironment and cancer metastasis. *FEBS Journal*, **2018**, 285, 1751-1766	5.7	110
27	Expanding perspectives on the significance of mitophagy in cancer. *Seminars in Cancer Biology*, **2017**, 47, 110-124	12.7	94
26	In Brief: Mitophagy: mechanisms and role in human disease. *Journal of Pathology*, **2016**, 240, 253-255	9.4	87

25	The Rb tumor suppressor is required for stress erythropoiesis. *EMBO Journal*, **2004**, 23, 4319-29	13	84
24	Tumor suppressor functions of BNIP3 and mitophagy. *Autophagy*, **2015**, 11, 1937-8	10.2	82
23	Autophagy in major human diseases. *EMBO Journal*, **2021**, 40, e108863	13	79
22	Oncogenic KRAS Induces NIX-Mediated Mitophagy to Promote Pancreatic Cancer. *Cancer Discovery*, **2019**, 9, 1268-1287	24.4	69
21	Regulation of mitochondrial integrity, autophagy and cell survival by BNIP3. *Autophagy*, **2007**, 3, 616-9	10.2	64
20	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
19	Deregulated E2f-2 underlies cell cycle and maturation defects in retinoblastoma null erythroblasts. *Molecular and Cellular Biology*, **2007**, 27, 8713-28	4.8	48
18	Autophagy gene ATG7 regulates ultraviolet radiation-induced inflammation and skin tumorigenesis. *Autophagy*, **2017**, 13, 2086-2103	10.2	47
17	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
16	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
15	Novel insights into how autophagy regulates tumor cell motility. *Autophagy*, **2016**, 12, 1679-80	10.2	26
14	Mitophagy and Mitochondrial Dysfunction in Cancer. *Annual Review of Cancer Biology*, **2020**, 4, 41-60	13.3	24
13	Autophagy and cancer cell metabolism. *International Review of Cell and Molecular Biology*, **2019**, 347, 145-190	6	23
12	Hypoxic stress underlies defects in erythroblast islands in the Rb-null mouse. *Blood*, **2007**, 110, 2173-81	2.2	22
11	The Rb tumor suppressor in stress responses and hematopoietic homeostasis. *Cell Cycle*, **2005**, 4, 42-5	4.7	22
10	The RB tumor suppressor: a gatekeeper to hormone independence in prostate cancer?. *Journal of Clinical Investigation*, **2010**, 120, 4179-82	15.9	22
9	Mitophagy in tumorigenesis and metastasis. *Cellular and Molecular Life Sciences*, **2021**, 78, 3817-3851	10.3	20
8	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

7	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
6	Dia1-dependent adhesions are required by epithelial tissues to initiate invasion. *Journal of Cell Biology*, **2018**, 217, 1485-1502	7.3	15
5	ULK1 promotes mitophagy via phosphorylation and stabilization of BNIP3. *Scientific Reports*, **2021**, 11, 20526	4.9	9
4	Mammary cancer initiation and progression studied with magnetic resonance imaging. *Breast Cancer Research*, **2014**, 16, 495	8.3	8
3	BNIP3-dependent mitophagy promotes cytosolic localization of LC3B and metabolic homeostasis in the liver. *Autophagy*, **2021**, 17, 3530-3546	10.2	7
2	Effects of hypoxia on heterotypic macrophage interactions. *Cell Cycle*, **2007**, 6, 2620-4	4.7	6
1	Autophagic degradation of focal adhesions underlies metastatic cancer dissemination. *Molecular and Cellular Oncology*, **2017**, 4, e1198299	1.2	4