

# Kasper M A Rouschop

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

12,134  
citations

136740

32  
h-index

123241

61  
g-index

61  
all docs

61  
docs citations

61  
times ranked

25024  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	The unfolded protein response protects human tumor cells during hypoxia through regulation of the autophagy genes MAP1LC3B and ATG5. <i>Journal of Clinical Investigation</i> , 2010, 120, 127-141.	3.9	675
4	Renal-associated TLR2 mediates ischemia/reperfusion injury in the kidney. <i>Journal of Clinical Investigation</i> , 2005, 115, 2894-2903.	3.9	496
5	LC3/GABARAP family proteins: autophagy-related functions. <i>FASEB Journal</i> , 2016, 30, 3961-3978.	0.2	471
6	PERK/eIF2 $\beta$ signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4622-4627.	3.3	193
7	Autophagy is required during cycling hypoxia to lower production of reactive oxygen species. <i>Radiotherapy and Oncology</i> , 2009, 92, 411-416.	0.3	130
8	Hypoxia Induced Impairment of NK Cell Cytotoxicity against Multiple Myeloma Can Be Overcome by IL-2 Activation of the NK Cells. <i>PLoS ONE</i> , 2013, 8, e64835.	1.1	128
9	Protection against Renal Ischemia Reperfusion Injury by CD44 Disruption. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 2034-2043.	3.0	119
10	Level of Activation of the Unfolded Protein Response Correlates With Paneth Cell Apoptosis in Human Small Intestine Exposed to Ischemia/Reperfusion. <i>Gastroenterology</i> , 2011, 140, 529-539.e3.	0.6	114
11	Hypoxic Activation of the PERK/eIF2 $\beta$ Arm of the Unfolded Protein Response Promotes Metastasis through Induction of LAMP3. <i>Clinical Cancer Research</i> , 2013, 19, 6126-6137.	3.2	105
12	CD44 Deficiency Increases Tubular Damage But Reduces Renal Fibrosis in Obstructive Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 674-686.	3.0	103
13	Regulation of Autophagy Through Multiple Independent Hypoxic Signaling Pathways. <i>Current Molecular Medicine</i> , 2009, 9, 417-424.	0.6	101
14	EGFR signaling and autophagy dependence for growth, survival, and therapy resistance. <i>Cell Cycle</i> , 2014, 13, 42-51.	1.3	97
15	Targeting tumour hypoxia to prevent cancer metastasis. From biology, biosensing and technology to drug development: the METOXIA consortium. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 689-721.	2.5	93
16	Small-Molecule Activation of p53 Blocks Hypoxia-Inducible Factor 1 $\alpha$ and Vascular Endothelial Growth Factor Expression In Vivo and Leads to Tumor Cell Apoptosis in Normoxia and Hypoxia. <i>Molecular and Cellular Biology</i> , 2009, 29, 2243-2253.	1.1	89
17	Hypoxic activation of the unfolded protein response (UPR) induces expression of the metastasis-associated gene LAMP3. <i>Radiotherapy and Oncology</i> , 2009, 92, 450-459.	0.3	86
18	Tissue-Type Plasminogen Activator Modulates Inflammatory Responses and Renal Function in Ischemia Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 131-140.	3.0	80

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19	Impact of supervised gene signatures of early hypoxia on patient survival. <i>Radiotherapy and Oncology</i> , 2007, 83, 374-382.	0.3	80
20	Tribbles homolog 3 denotes a poor prognosis in breast cancer and is involved in hypoxia response. <i>Breast Cancer Research</i> , 2011, 13, R82.	2.2	74
21	Hypoxia leads to significant changes in alternative splicing and elevated expression of CLK splice factor kinases in PC3 prostate cancer cells. <i>BMC Cancer</i> , 2018, 18, 355.	1.1	64
22	Chloroquine combined with concurrent radiotherapy and temozolomide for newly diagnosed glioblastoma: a phase IB trial. <i>Autophagy</i> , 2021, 17, 2604-2612.	4.3	59
23	Hypoxia-induced Expression of Carbonic Anhydrase 9 Is Dependent on the Unfolded Protein Response. <i>Journal of Biological Chemistry</i> , 2009, 284, 24204-24212.	1.6	57
24	Phosphorylation of eIF2 $\beta$ is required for mRNA translation inhibition and survival during moderate hypoxia. <i>Radiotherapy and Oncology</i> , 2007, 83, 353-361.	0.3	54
25	Optimal selection of natural killer cells to kill myeloma: the role of HLA-E and NKG2A. <i>Cancer Immunology, Immunotherapy</i> , 2015, 64, 951-963.	2.0	47
26	Extracellular Vesicles as Transmitters of Hypoxia Tolerance in Solid Cancers. <i>Cancers</i> , 2019, 11, 154.	1.7	46
27	Urothelial CD44 Facilitates <i>Escherichia coli</i> infection of the Murine Urinary Tract. <i>Journal of Immunology</i> , 2006, 177, 7225-7232.	0.4	44
28	The autophagy associated gene, ULK1, promotes tolerance to chronic and acute hypoxia. <i>Radiotherapy and Oncology</i> , 2013, 108, 529-534.	0.3	44
29	Autophagy-Dependent Secretion: Contribution to Tumor Progression. <i>Frontiers in Oncology</i> , 2016, 6, 251.	1.3	40
30	EGFR overexpressing cells and tumors are dependent on autophagy for growth and survival. <i>Radiotherapy and Oncology</i> , 2013, 108, 479-483.	0.3	38
31	EGFRvIII expression triggers a metabolic dependency and therapeutic vulnerability sensitive to autophagy inhibition. <i>Autophagy</i> , 2018, 14, 283-295.	4.3	38
32	CD44 Disruption Prevents Degeneration of the Capillary Network in Obstructive Nephropathy via Reduction of TGF- $\beta$ 1-Induced Apoptosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 746-753.	3.0	36
33	GABARAPL1 is required for increased EGFR membrane expression during hypoxia. <i>Radiotherapy and Oncology</i> , 2015, 116, 417-422.	0.3	28
34	Iron deficiency-induced loss of skeletal muscle mitochondrial proteins and respiratory capacity; the role of mitophagy and secretion of mitochondria-containing vesicles. <i>FASEB Journal</i> , 2020, 34, 6703-6717.	0.2	27
35	Renal expression of CD44 correlates with acute renal allograft rejection. <i>Kidney International</i> , 2006, 70, 1127-1134.	2.6	26
36	Learning radiation oncology in Europe: Results of the ESTRO multidisciplinary survey. <i>Clinical and Translational Radiation Oncology</i> , 2018, 9, 61-67.	0.9	26

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37	The urokinase plasminogen activator receptor is crucially involved in host defense during acute pyelonephritis. <i>Kidney International</i> , 2006, 70, 1942-1947.	2.6	25
38	The anti-malarial drug chloroquine sensitizes oncogenic NOTCH1 driven human T-ALL to $\beta$ -secretase inhibition. <i>Oncogene</i> , 2019, 38, 5457-5468.	2.6	25
39	Reciprocal functions of hepatocyte growth factor and transforming growth factor- $\beta$ 1 in the progression of renal diseases: A role for CD44?. <i>Kidney International</i> , 2003, 64, S15-S20.	2.6	24
40	The deletion mutant EGFRvIII significantly contributes to stress resistance typical for the tumour microenvironment. <i>Radiotherapy and Oncology</i> , 2009, 92, 399-404.	0.3	23
41	Deficient carbonic anhydrase 9 expression in UPR-impaired cells is associated with reduced survival in an acidic microenvironment. <i>Radiotherapy and Oncology</i> , 2009, 92, 437-442.	0.3	23
42	Distinct radiation responses after in vitro mtDNA depletion are potentially related to oxidative stress. <i>PLoS ONE</i> , 2017, 12, e0182508.	1.1	23
43	Proteomic analysis of gene expression following hypoxia and reoxygenation reveals proteins involved in the recovery from endoplasmic reticulum and oxidative stress. <i>Radiotherapy and Oncology</i> , 2007, 83, 340-345.	0.3	21
44	Deregulation of cap-dependent mRNA translation increases tumour radiosensitivity through reduction of the hypoxic fraction. <i>Radiotherapy and Oncology</i> , 2011, 99, 385-391.	0.3	21
45	Canonical autophagy does not contribute to cellular radioresistance. <i>Radiotherapy and Oncology</i> , 2015, 114, 406-412.	0.3	21
46	Distinct Intracellular Signaling in Tumor Necrosis Factor-related Apoptosis-inducing Ligand- and CD95 Ligand-mediated Apoptosis. <i>Journal of Biological Chemistry</i> , 2002, 277, 24631-24637.	1.6	19
47	Synchronised phosphorylation of BNIP3, Bcl-2 and Bcl-xL in response to microtubule-active drugs is JNK-independent and requires a mitotic kinase. <i>Biochemical Pharmacology</i> , 2010, 79, 1562-1572.	2.0	18
48	Identification of Potential Prognostic and Predictive Immunological Biomarkers in Patients with Stage I and Stage III Non-Small Cell Lung Cancer (NSCLC): A Prospective Exploratory Study. <i>Cancers</i> , 2021, 13, 6259.	1.7	17
49	Pre-transplant plasma and cellular levels of CD44 correlate with acute renal allograft rejection. <i>Nephrology Dialysis Transplantation</i> , 2005, 20, 2248-2254.	0.4	15
50	Differences in Upper and Lower Body Adipose Tissue Oxygen Tension Contribute to the Adipose Tissue Phenotype in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3688-3697.	1.8	15
51	Opposite role of CD44-standard and CD44-variant-3 in tubular injury and development of renal fibrosis during chronic obstructive nephropathy. <i>Kidney International</i> , 2014, 86, 558-569.	2.6	14
52	Loss of enteric neuronal <i>Ndr4</i> promotes colorectal cancer via increased release of Nid1 and Fbln2. <i>EMBO Reports</i> , 2021, 22, e51913.	2.0	14
53	Secretion of pro-angiogenic extracellular vesicles during hypoxia is dependent on the autophagy-related protein GABARAP1. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12166.	5.5	14
54	High dose rate and flattening filter free irradiation can be safely implemented in clinical practice. <i>International Journal of Radiation Biology</i> , 2015, 91, 778-785.	1.0	12

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55	ATG12 deficiency results in intracellular glutamine depletion, abrogation of tumor hypoxia and a favorable prognosis in cancer. <i>Autophagy</i> , 2022, 18, 1898-1914.	4.3	11
56	Hypoxia inducible NOD2 interacts with 3-O-sulfogalactoceramide and regulates vesicular homeostasis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 5277-5286.	1.1	10
57	Ischemiaâ€“reperfusion treatment: opportunities point to modulation of the inflammatory response. <i>Kidney International</i> , 2008, 73, 1333-1335.	2.6	9
58	CD44v3-v10 reduces the profibrotic effects of TGF- $\beta$ 1 and attenuates tubular injury in the early stage of chronic obstructive nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F1445-F1454.	1.3	9
59	Endogenous tissue-type plasminogen activator is protective during ascending urinary tract infection. <i>Nephrology Dialysis Transplantation</i> , 2008, 24, 801-808.	0.4	8
60	Mild intermittent hypoxia exposure induces metabolic and molecular adaptations in men with obesity. <i>Molecular Metabolism</i> , 2021, 53, 101287.	3.0	8
61	Tumors Responsive to Autophagy-Inhibition: Identification and Biomarkers. <i>Cancers</i> , 2020, 12, 2463.	1.7	4