

# Nathalie M Mazure

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

9,606  
citations

159585

30  
h-index

233421

45  
g-index

49  
all docs

49  
docs citations

49  
times ranked

18878  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Hypoxia signalling in cancer and approaches to enforce tumour regression. <i>Nature</i> , 2006, 441, 437-443.	27.8	1,525
3	Hypoxia-Induced Autophagy Is Mediated through Hypoxia-Inducible Factor Induction of BNIP3 and BNIP3L via Their BH3 Domains. <i>Molecular and Cellular Biology</i> , 2009, 29, 2570-2581.	2.3	1,228
4	Hypoxia-Inducible Carbonic Anhydrase IX and XII Promote Tumor Cell Growth by Counteracting Acidosis through the Regulation of the Intracellular pH. <i>Cancer Research</i> , 2009, 69, 358-368.	0.9	644
5	Hypoxia-induced autophagy: cell death or cell survival?. <i>Current Opinion in Cell Biology</i> , 2010, 22, 177-180.	5.4	530
6	The Oxygen Sensor Factor-Inhibiting Hypoxia-Inducible Factor-1 Controls Expression of Distinct Genes through the Bifunctional Transcriptional Character of Hypoxia-Inducible Factor-1 $\alpha$ . <i>Cancer Research</i> , 2006, 66, 3688-3698.	0.9	263
7	Signalling via the hypoxia-inducible factor-1 $\alpha$ requires multiple posttranslational modifications. <i>Cellular Signalling</i> , 2005, 17, 1-9.	3.6	200
8	The Cooperative Induction of Hypoxia-Inducible Factor-1 $\alpha$ and STAT3 during Hypoxia Induced an Impairment of Tumor Susceptibility to CTL-Mediated Cell Lysis. <i>Journal of Immunology</i> , 2009, 182, 3510-3521.	0.8	175
9	Glycogen Synthesis is Induced in Hypoxia by the Hypoxia-Inducible Factor and Promotes Cancer Cell Survival. <i>Frontiers in Oncology</i> , 2012, 2, 18.	2.8	164
10	HIF-1: master and commander of the hypoxic world. <i>Biochemical Pharmacology</i> , 2004, 68, 971-980.	4.4	134
11	Atypical BH3-domains of BNIP3 and BNIP3L lead to autophagy in hypoxia. <i>Autophagy</i> , 2009, 5, 868-869.	9.1	115
12	Oxygen Tension Regulates Pancreatic $\beta$ -Cell Differentiation Through Hypoxia-Inducible Factor 1 $\alpha$ . <i>Diabetes</i> , 2010, 59, 662-669.	0.6	108
13	SUMOylation of hypoxia-inducible factor-1 $\alpha$ reduces its transcriptional activity. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 646-652.	2.1	99
14	Hypoxic enlarged mitochondria protect cancer cells from apoptotic stimuli. <i>Journal of Cellular Physiology</i> , 2010, 222, 648-657.	4.1	99
15	Arrest-defective-1 Protein, an Acetyltransferase, Does Not Alter Stability of Hypoxia-inducible Factor (HIF)-1 $\alpha$ and Is Not Induced by Hypoxia or HIF. <i>Journal of Biological Chemistry</i> , 2005, 280, 31132-31140.	3.4	93
16	Resistance to sunitinib in renal clear cell carcinoma results from sequestration in lysosomes and inhibition of the autophagic flux. <i>Autophagy</i> , 2015, 11, 1891-1904.	9.1	92
17	Overexpression of carbonic anhydrase XII in tissues from resectable non-small cell lung cancers is a biomarker of good prognosis. <i>International Journal of Cancer</i> , 2011, 128, 1614-1623.	5.1	84
18	A Dialogue between the Hypoxia-Inducible Factor and the Tumor Microenvironment. <i>Cancer Microenvironment</i> , 2008, 1, 53-68.	3.1	79

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19	Disrupting glucose-6-phosphate isomerase fully suppresses the "Warburg effect" and activates OXPPOS with minimal impact on tumor growth except in hypoxia. <i>Oncotarget</i> , 2017, 8, 87623-87637.	1.8	77
20	Repression of alpha-fetoprotein gene expression under hypoxic conditions in human hepatoma cells: characterization of a negative hypoxia response element that mediates opposite effects of hypoxia inducible factor-1 and c-Myc. <i>Cancer Research</i> , 2002, 62, 1158-65.	0.9	74
21	Primary Cilium in Cancer Hallmarks. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1336.	4.1	65
22	Expression of a Truncated Active Form of VDAC1 in Lung Cancer Associates with Hypoxic Cell Survival and Correlates with Progression to Chemotherapy Resistance. <i>Cancer Research</i> , 2012, 72, 2140-2150.	0.9	64
23	Hypoxia promotes tumor cell survival in acidic conditions by preserving ATP levels. <i>Journal of Cellular Physiology</i> , 2013, 228, 1854-1862.	4.1	53
24	Distinct deregulation of the hypoxia inducible factor by PHD2 mutants identified in germline DNA of patients with polycythemia. <i>Haematologica</i> , 2012, 97, 9-14.	3.5	50
25	Hypoxia Down-regulates CCAAT/Enhancer Binding Protein-1 Expression in Breast Cancer Cells. <i>Cancer Research</i> , 2008, 68, 2158-2165.	0.9	40
26	Activation of HIF-1 in exponentially growing cells via hypoxic stimulation is independent of the Akt/mTOR pathway. <i>Journal of Cellular Physiology</i> , 2009, 218, 167-174.	4.1	40
27	Local Mitochondrial-Endolysosomal Microfusion Cleaves Voltage-Dependent Anion Channel 1 To Promote Survival in Hypoxia. <i>Molecular and Cellular Biology</i> , 2015, 35, 1491-1505.	2.3	40
28	Detection and quantification of degradative genes in soils contaminated by toluene. <i>FEMS Microbiology Ecology</i> , 1996, 20, 121-133.	2.7	39
29	Knockout of Vdac1 activates hypoxia-inducible factor through reactive oxygen species generation and induces tumor growth by promoting metabolic reprogramming and inflammation. <i>Cancer &amp; Metabolism</i> , 2015, 3, 8.	5.0	36
30	The two glycolytic markers GLUT1 and MCT1 correlate with tumor grade and survival in clear-cell renal cell carcinoma. <i>PLoS ONE</i> , 2018, 13, e0193477.	2.5	35
31	The K <sup>+</sup> channel TASK1 modulates $\beta$ -adrenergic response in brown adipose tissue through the mineralocorticoid receptor pathway. <i>FASEB Journal</i> , 2016, 30, 909-922.	0.5	33
32	Genetic Evidence of a Precisely Tuned Dysregulation in the Hypoxia Signaling Pathway during Oncogenesis. <i>Cancer Research</i> , 2014, 74, 6554-6564.	0.9	32
33	PGC1 $\beta$ Inhibits Polyamine Synthesis to Suppress Prostate Cancer Aggressiveness. <i>Cancer Research</i> , 2019, 79, 3268-3280.	0.9	27
34	Dysfunction in the mitochondrial Fe-S assembly machinery leads to formation of the chemoresistant truncated VDAC1 isoform without HIF-1 $\beta$ activation. <i>PLoS ONE</i> , 2018, 13, e0194782.	2.5	23
35	Severe Hypoxia Specifically Downregulates Hepatocyte Nuclear Factor-4 Gene Expression in HepG2 Human Hepatoma Cells. <i>Tumor Biology</i> , 2001, 22, 310-317.	1.8	19
36	Role of Hypoxia and Metabolism in the Development of Neointimal Hyperplasia in Arteriovenous Fistulas. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5387.	4.1	19

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37	MicroRNA Target Identification: Lessons from HypoxamiRs. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1249-1268.	5.4	12
38	Resveratrol and HIV protease inhibitors control UCP1 expression through opposite effects on p38 MAPK phosphorylation in human adipocytes. <i>Journal of Cellular Physiology</i> , 2020, 235, 1184-1196.	4.1	12
39	Identification of a new aggressive axis driven by ciliogenesis and absence of VDAC1 in clear cell Renal Cell Carcinoma patients. <i>Theranostics</i> , 2020, 10, 2696-2713.	10.0	12
40	Hypoxic-induced truncation of voltage-dependent anion channel 1 is mediated by both asparagine endopeptidase and calpain 1 activities. <i>Oncotarget</i> , 2018, 9, 12825-12841.	1.8	12
41	Evidences of a Direct Relationship between Cellular Fuel Supply and Ciliogenesis Regulated by Hypoxic VDAC1. <i>Cancers</i> , 2020, 12, 3484.	3.7	9
42	Hypoxia protects against the cell death triggered by oxovanadium-galactomannan complexes in HepG2 cells. <i>Cellular and Molecular Biology Letters</i> , 2019, 24, 18.	7.0	8
43	Co-culture of human fibroblasts, smooth muscle and endothelial cells promotes osteopontin induction in hypoxia. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 2931-2941.	3.6	7
44	Hypoxia and hypoxia-inducible factors promote the development of neointimal hyperplasia in arteriovenous fistula. <i>Journal of Physiology</i> , 2021, 599, 2299-2321.	2.9	7
45	AMP-activated protein kinase is dispensable for maintaining ATP levels and for survival following inhibition of glycolysis, but promotes tumour engraftment of Ras-transformed fibroblasts. <i>Oncotarget</i> , 2015, 6, 11833-11847.	1.8	7
46	Plasmatic osteopontin is a predictive marker of stenosis in patients with a hemodialysis arteriovenous fistula. <i>Annals of Vascular Surgery</i> , 2020, 68, 98-99.	0.9	0
47	CXCR4 Drives Lympho-Myeloid Fate of Hematopoietic Progenitors <i>Via</i> mTOR and Mitochondrial Metabolic Pathways. <i>Blood</i> , 2021, 138, 2150-2150.	1.4	0