

# Johanna Chiche

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35  
papers

5,085  
citations

26  
h-index

42  
g-index

42  
ext. papers

5,779  
ext. citations

8.5  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
35	Hypoxia-induced autophagy is mediated through hypoxia-inducible factor induction of BNIP3 and BNIP3L via their BH3 domains. <i>Molecular and Cellular Biology</i> , <b>2009</b> , 29, 2570-81	4.8	1008
34	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> , <b>2009</b> , 69, 358-68	10.1	561
33	Hypoxia and cancer. <i>Journal of Molecular Medicine</i> , <b>2007</b> , 85, 1301-7	5.5	502
32	Disrupting proton dynamics and energy metabolism for cancer therapy. <i>Nature Reviews Cancer</i> , <b>2013</b> , 13, 611-23	31.3	439
31	Tumour hypoxia induces a metabolic shift causing acidosis: a common feature in cancer. <i>Journal of Cellular and Molecular Medicine</i> , <b>2010</b> , 14, 771-94	5.6	422
30	CD147 subunit of lactate/H <sup>+</sup> symporters MCT1 and hypoxia-inducible MCT4 is critical for energetics and growth of glycolytic tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 16663-8	11.5	304
29	pH control mechanisms of tumor survival and growth. <i>Journal of Cellular Physiology</i> , <b>2011</b> , 226, 299-308	7	251
28	Hypoxia signalling controls metabolic demand. <i>Current Opinion in Cell Biology</i> , <b>2007</b> , 19, 223-9	9	248
27	Protective mitochondrial transfer from bone marrow stromal cells to acute myeloid leukemic cells during chemotherapy. <i>Blood</i> , <b>2016</b> , 128, 253-64	2.2	209
26	Parkin-Independent Mitophagy Controls Chemotherapeutic Response in Cancer Cells. <i>Cell Reports</i> , <b>2017</b> , 20, 2846-2859	10.6	143
25	Targeting hypoxic tumor cell viability with carbohydrate-based carbonic anhydrase IX and XII inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 6905-18	8.3	104
24	In vivo pH in metabolic-defective Ras-transformed fibroblast tumors: key role of the monocarboxylate transporter, MCT4, for inducing an alkaline intracellular pH. <i>International Journal of Cancer</i> , <b>2012</b> , 130, 1511-20	7.5	85
23	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> , <b>2015</b> , 30, 689-721	5.6	79
22	Hypoxic enlarged mitochondria protect cancer cells from apoptotic stimuli. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 222, 648-57	7	79
21	Combination of glycolysis inhibition with chemotherapy results in an antitumor immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 20071-6	11.5	70
20	Low-Protein Diet Induces IRE1 $\beta$ -Dependent Anticancer Immunosurveillance. <i>Cell Metabolism</i> , <b>2018</b> , 27, 828-842.e7	24.6	65
19	Membrane-bound carbonic anhydrases are key pH regulators controlling tumor growth and cell migration. <i>Advances in Enzyme Regulation</i> , <b>2010</b> , 50, 20-33		54

18	Knock-down of hypoxia-induced carbonic anhydrases IX and XII radiosensitizes tumor cells by increasing intracellular acidosis. <i>Frontiers in Oncology</i> , <b>2012</b> , 2, 199	5.3	47
17	Pharmacological inhibition of carbonic anhydrase XII interferes with cell proliferation and induces cell apoptosis in T-cell lymphomas. <i>Cancer Letters</i> , <b>2013</b> , 333, 76-88	9.9	44
16	GAPDH binds to active Akt, leading to Bcl-xL increase and escape from caspase-independent cell death. <i>Cell Death and Differentiation</i> , <b>2013</b> , 20, 1043-54	12.7	44
15	GAPDH enhances the aggressiveness and the vascularization of non-Hodgkin's B lymphomas via NF- $\kappa$ B-dependent induction of HIF-1 $\alpha$ . <i>Leukemia</i> , <b>2015</b> , 29, 1163-76	10.7	39
14	Hyperthermic intraperitoneal chemotherapy leads to an anticancer immune response via exposure of cell surface heat shock protein 90. <i>Oncogene</i> , <b>2016</b> , 35, 261-8	9.2	38
13	Quantitative in vivo characterization of intracellular and extracellular pH profiles in heterogeneous tumors: a novel method enabling multiparametric pH analysis. <i>Cancer Research</i> , <b>2013</b> , 73, 4616-28	10.1	38
12	Caloric restriction modulates Mcl-1 expression and sensitizes lymphomas to BH3 mimetic in mice. <i>Blood</i> , <b>2013</b> , 122, 2402-11	2.2	36
11	GAPDH Expression Predicts the Response to R-CHOP, the Tumor Metabolic Status, and the Response of DLBCL Patients to Metabolic Inhibitors. <i>Cell Metabolism</i> , <b>2019</b> , 29, 1243-1257.e10	24.6	31
10	Simultaneous positron emission tomography and ultrafast ultrasound for hybrid molecular, anatomical and functional imaging. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 85-94	19	29
9	Dissecting the Process of Activation of Cancer-promoting Zinc-requiring Ectoenzymes by Zinc Metalation Mediated by ZNT Transporters. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 2159-2173	5.4	25
8	Metabolic Reprogramming of Non-Hodgkin's B-Cell Lymphomas and Potential Therapeutic Strategies. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 556	5.3	25
7	Tumor hypoxia and metabolism -- towards novel anticancer approaches. <i>Annales D'endocrinologie</i> , <b>2013</b> , 74, 111-4	1.7	23
6	Response of CAIX and CAXII to in vitro re-oxygenation and clinical significance of the combined expression in NSCLC patients. <i>Lung Cancer</i> , <b>2013</b> , 82, 16-23	5.9	16
5	GAPDH Overexpression in the T Cell Lineage Promotes Angioimmunoblastic T Cell Lymphoma through an NF- $\kappa$ B-Dependent Mechanism. <i>Cancer Cell</i> , <b>2019</b> , 36, 268-287.e10	24.3	15
4	Caspase 1/11 Deficiency or Pharmacological Inhibition Mitigates Psoriasis-Like Phenotype in Mice. <i>Journal of Investigative Dermatology</i> , <b>2019</b> , 139, 1306-1317	4.3	7
3	Correction: Quantitative In Vivo Characterization of Intracellular and Extracellular pH Profiles in Heterogeneous Tumors: A Novel Method Enabling Multiparametric pH Analysis. <i>Cancer Research</i> , <b>2013</b> , 73, 5845-5845	10.1	1
2	Low carbohydrate diet prevents Mcl-1-mediated resistance to BH3-mimetics. <i>Oncotarget</i> , <b>2016</b> , 7, 73270-73279	3.5	1
1	EVT-701 is a novel selective and safe mitochondrial complex 1 inhibitor with potent anti-tumor activity in models of solid cancers. <i>Pharmacology Research and Perspectives</i> , <b>2021</b> , 9, e00854	3.1	1

