

# Johanna Chiche

## List of Publications by Year in descending order

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39  
papers

6,345  
citations

172207

29  
h-index

315357

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

12838  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.1	1,228
2	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.	0.4	644
3	Hypoxia and cancer. <i>Journal of Molecular Medicine</i> , 2007, 85, 1301-1307.	1.7	617
4	Tumour hypoxia induces a metabolic shift causing acidosis: a common feature in cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 771-794.	1.6	536
5	Disrupting proton dynamics and energy metabolism for cancer therapy. <i>Nature Reviews Cancer</i> , 2013, 13, 611-623.	12.8	530
6	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> , 2011, 108, 16663-16668.	3.3	370
7	Protective mitochondrial transfer from bone marrow stromal cells to acute myeloid leukemic cells during chemotherapy. <i>Blood</i> , 2016, 128, 253-264.	0.6	320
8	pH control mechanisms of tumor survival and growth. <i>Journal of Cellular Physiology</i> , 2011, 226, 299-308.	2.0	298
9	Hypoxia signalling controls metabolic demand. <i>Current Opinion in Cell Biology</i> , 2007, 19, 223-229.	2.6	279
10	Parkin-Independent Mitophagy Controls Chemotherapeutic Response in Cancer Cells. <i>Cell Reports</i> , 2017, 20, 2846-2859.	2.9	217
11	Targeting Hypoxic Tumor Cell Viability with Carbohydrate-Based Carbonic Anhydrase IX and XII Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6905-6918.	2.9	113
12	Hypoxic enlarged mitochondria protect cancer cells from apoptotic stimuli. <i>Journal of Cellular Physiology</i> , 2010, 222, 648-657.	2.0	99
13	Low-Protein Diet Induces IRE1 $\alpha$ -Dependent Anticancer Immunosurveillance. <i>Cell Metabolism</i> , 2018, 27, 828-842.e7.	7.2	99
14	<i>In vivo</i> pH in metabolic $\alpha$ -defective Ras $\alpha$ -transformed fibroblast tumors: Key role of the monocarboxylate transporter, MCT4, for inducing an alkaline intracellular pH. <i>International Journal of Cancer</i> , 2012, 130, 1511-1520.	2.3	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	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> , 2012, 109, 20071-20076.	3.3	87
17	Metabolic Reprogramming of Non-Hodgkin's B-Cell Lymphomas and Potential Therapeutic Strategies. <i>Frontiers in Oncology</i> , 2018, 8, 556.	1.3	67
18	Knock-down of hypoxia-induced carbonic anhydrases IX and XII radiosensitizes tumor cells by increasing intracellular acidosis. <i>Frontiers in Oncology</i> , 2013, 2, 199.	1.3	61

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19	Membrane-bound carbonic anhydrases are key pH regulators controlling tumor growth and cell migration. <i>Advances in Enzyme Regulation</i> , 2010, 50, 20-33.	2.9	57
20	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> , 2019, 29, 1243-1257.e10.	7.2	56
21	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> , 2015, 29, 1163-1176.	3.3	55
22	Hyperthermic intraperitoneal chemotherapy leads to an anticancer immune response via exposure of cell surface heat shock protein 90. <i>Oncogene</i> , 2016, 35, 261-268.	2.6	54
23	GAPDH binds to active Akt, leading to Bcl-xL increase and escape from caspase-independent cell death. <i>Cell Death and Differentiation</i> , 2013, 20, 1043-1054.	5.0	50
24	Pharmacological inhibition of carbonic anhydrase XII interferes with cell proliferation and induces cell apoptosis in T-cell lymphomas. <i>Cancer Letters</i> , 2013, 333, 76-88.	3.2	47
25	Caloric restriction modulates Mcl-1 expression and sensitizes lymphomas to BH3 mimetic in mice. <i>Blood</i> , 2013, 122, 2402-2411.	0.6	45
26	Quantitative <i>In Vivo</i> Characterization of Intracellular and Extracellular pH Profiles in Heterogeneous Tumors: A Novel Method Enabling Multiparametric pH Analysis. <i>Cancer Research</i> , 2013, 73, 4616-4628.	0.4	44
27	Simultaneous positron emission tomography and ultrafast ultrasound for hybrid molecular, anatomical and functional imaging. <i>Nature Biomedical Engineering</i> , 2018, 2, 85-94.	11.6	44
28	GAPDH Overexpression in the T Cell Lineage Promotes Angioimmunoblastic T Cell Lymphoma through an NF- $\kappa$ B-Dependent Mechanism. <i>Cancer Cell</i> , 2019, 36, 268-287.e10.	7.7	34
29	Dissecting the Process of Activation of Cancer-promoting Zinc-requiring Ectoenzymes by Zinc Metalation Mediated by ZNT Transporters. <i>Journal of Biological Chemistry</i> , 2017, 292, 2159-2173.	1.6	29
30	Tumor hypoxia and metabolism – Towards novel anticancer approaches. <i>Annales D'Endocrinologie</i> , 2013, 74, 111-114.	0.6	26
31	Response of CAIX and CAXII to in vitro re-oxygenation and clinical significance of the combined expression in NSCLC patients. <i>Lung Cancer</i> , 2013, 82, 16-23.	0.9	20
32	Caspase 1/11 Deficiency or Pharmacological Inhibition Mitigates Psoriasis-Like Phenotype in Mice. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1306-1317.	0.3	16
33	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> , 2021, 9, e00854.	1.1	7
34	Abstract 3225: Growth inhibition of glycolytic tumors by targeting basigin/lactate-H <sup>+</sup> symporters (MCTs): Metformin sensitizes MCT inhibition. <i>Cancer Research</i> , 2012, 72, 3225-3225.	0.4	2
35	328 Tumour metabolic adaptation to hypoxic and acidic stress. <i>European Journal of Cancer, Supplement</i> , 2010, 8, 86.	2.2	1
36	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> , 2013, 73, 5845-5845.	0.4	1

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37	Low carbohydrate diet prevents Mcl-1-mediated resistance to BH3-mimetics. <i>Oncotarget</i> , 2016, 7, 73270-73279.	0.8	1
38	6 Hypoxia signalling, metabolism and cancer. <i>European Journal of Cancer, Supplement</i> , 2009, 7, 4.	2.2	0
39	Hypoxia Signaling, Phi Regulation & Tumor Metabolism. Novel Therapeutic Approaches. <i>Annals of Oncology</i> , 2013, 24, i7.	0.6	0