

Cyril Corbet

List of Publications by Year in descending order

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papers

2,851
citations

236925

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254184

43
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all docs

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docs citations

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times ranked

4443
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumour acidosis: from the passenger to the driver's seat. <i>Nature Reviews Cancer</i> , 2017, 17, 577-593.	28.4	666
2	Acidosis Drives the Reprogramming of Fatty Acid Metabolism in Cancer Cells through Changes in Mitochondrial and Histone Acetylation. <i>Cell Metabolism</i> , 2016, 24, 311-323.	16.2	244
3	Peroxidation of n-3 and n-6 polyunsaturated fatty acids in the acidic tumor environment leads to ferroptosis-mediated anticancer effects. <i>Cell Metabolism</i> , 2021, 33, 1701-1715.e5.	16.2	189
4	TGF β 2-induced formation of lipid droplets supports acidosis-driven EMT and the metastatic spreading of cancer cells. <i>Nature Communications</i> , 2020, 11, 454.	12.8	184
5	The SIRT1/HIF2 α Axis Drives Reductive Glutamine Metabolism under Chronic Acidosis and Alters Tumor Response to Therapy. <i>Cancer Research</i> , 2014, 74, 5507-5519.	0.9	139
6	Cancer cell metabolism and mitochondria: Nutrient plasticity for TCA cycle fueling. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1868, 7-15.	7.4	124
7	Interruption of lactate uptake by inhibiting mitochondrial pyruvate transport unravels direct antitumor and radiosensitizing effects. <i>Nature Communications</i> , 2018, 9, 1208.	12.8	124
8	Emerging roles of lipid metabolism in cancer progression. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017, 20, 254-260.	2.5	91
9	Delivery of siRNA targeting tumor metabolism using non-covalent PEGylated chitosan nanoparticles: Identification of an optimal combination of ligand structure, linker and grafting method. <i>Journal of Controlled Release</i> , 2016, 223, 53-63.	9.9	79
10	Pro-nerve Growth Factor Induces Autocrine Stimulation of Breast Cancer Cell Invasion through Tropomyosin-related Kinase A (TrkA) and Sortilin Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 1923-1931.	3.4	69
11	A ferrocenyl derivative of hydroxytamoxifen elicits an estrogen receptor-independent mechanism of action in breast cancer cell lines. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 503-511.	3.5	68
12	Auranofin radiosensitizes tumor cells through targeting thioredoxin reductase and resulting overproduction of reactive oxygen species. <i>Oncotarget</i> , 2017, 8, 35728-35742.	1.8	68
13	Piperlongumine increases sensitivity of colorectal cancer cells to radiation: Involvement of ROS production via dual inhibition of glutathione and thioredoxin systems. <i>Cancer Letters</i> , 2019, 450, 42-52.	7.2	58
14	Reducing the serine availability complements the inhibition of the glutamine metabolism to block leukemia cell growth. <i>Oncotarget</i> , 2016, 7, 1765-1776.	1.8	53
15	Metabolic and mind shifts. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015, 18, 346-353.	2.5	50
16	α -Ketothioamide Derivatives: A Promising Tool to Interrogate Phosphoglycerate Dehydrogenase (PHGDH). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1591-1597.	6.4	50
17	Therapeutic Targeting of Cancer Stem Cells: Integrating and Exploiting the Acidic Niche. <i>Frontiers in Oncology</i> , 2019, 9, 159.	2.8	45
18	The in vivo performance of ferrocenyl tamoxifen lipid nanocapsules in xenografted triple negative breast cancer. <i>Biomaterials</i> , 2013, 34, 6949-6956.	11.4	43

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19	Impact of cancer metabolism on therapy resistance – Clinical implications. <i>Drug Resistance Updates</i> , 2021, 59, 100797.	14.4	43
20	Microenvironment-driven intratumoral heterogeneity in head and neck cancers: clinical challenges and opportunities for precision medicine. <i>Drug Resistance Updates</i> , 2022, 60, 100806.	14.4	41
21	Stem Cell Metabolism in Cancer and Healthy Tissues: Pyruvate in the Limelight. <i>Frontiers in Pharmacology</i> , 2017, 8, 958.	3.5	40
22	Anti-alcohol abuse drug disulfiram inhibits human PHGDH via disruption of its active tetrameric form through a specific cysteine oxidation. <i>Scientific Reports</i> , 2019, 9, 4737.	3.3	39
23	The NLRP3 Inflammasome Has a Critical Role in Peritoneal Dialysis-Related Peritonitis. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2038-2052.	6.1	38
24	Antidiabetic Biguanides Radiosensitize Hypoxic Colorectal Cancer Cells Through a Decrease in Oxygen Consumption. <i>Frontiers in Pharmacology</i> , 2018, 9, 1073.	3.5	29
25	NGF-induced TrkA/CD44 association is involved in tumor aggressiveness and resistance to lestaurtinib. <i>Oncotarget</i> , 2015, 6, 9807-9819.	1.8	27
26	Macrophage miR-210 induction and metabolic reprogramming in response to pathogen interaction boost life-threatening inflammation. <i>Science Advances</i> , 2021, 7, .	10.3	26
27	Reprogramming of Energy Metabolism: Increased Expression and Roles of Pyruvate Carboxylase in Papillary Thyroid Cancer. <i>Thyroid</i> , 2019, 29, 845-857.	4.5	25
28	ProNGF increases breast tumor aggressiveness through functional association of TrkA with EphA2. <i>Cancer Letters</i> , 2019, 449, 196-206.	7.2	25
29	Acidosis-Induced TGF- β 2 Production Promotes Lipid Droplet Formation in Dendritic Cells and Alters Their Potential to Support Anti-Mesothelioma T Cell Response. <i>Cancers</i> , 2020, 12, 1284.	3.7	25
30	Reconciling environment-mediated metabolic heterogeneity with the oncogene-driven cancer paradigm in precision oncology. <i>Seminars in Cell and Developmental Biology</i> , 2020, 98, 202-210.	5.0	23
31	Inhibition of glucose metabolism prevents glycosylation of the glutamine transporter ASCT2 and promotes compensatory LAT1 upregulation in leukemia cells. <i>Oncotarget</i> , 2016, 7, 46371-46383.	1.8	23
32	Dichloroacetate Radiosensitizes Hypoxic Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9367.	4.1	16
33	Therapy-induced DNA methylation inactivates MCT1 and renders tumor cells vulnerable to MCT4 inhibition. <i>Cell Reports</i> , 2021, 35, 109202.	6.4	14
34	Evaluation of Syrosingopine, an MCT Inhibitor, as Potential Modulator of Tumor Metabolism and Extracellular Acidification. <i>Metabolites</i> , 2022, 12, 557.	2.9	14
35	Structure–Activity Relationships (SARs) of β -Ketothioamides as Inhibitors of Phosphoglycerate Dehydrogenase (PHGDH). <i>Pharmaceuticals</i> , 2020, 13, 20.	3.8	13
36	Impact of Inhibition of the Mitochondrial Pyruvate Carrier on the Tumor Extracellular pH as Measured by CEST-MRI. <i>Cancers</i> , 2021, 13, 4278.	3.7	13

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37	Metabolic Imaging Using Hyperpolarized Pyruvateâ€™Lactate Exchange Assesses Response or Resistance to the EGFR Inhibitor Cetuximab in Patient-Derived HNSCC Xenografts. <i>Clinical Cancer Research</i> , 2020, 26, 1932-1943.	7.0	8
38	Tumor Metabolism Is Affected by Obesity in Preclinical Models of Triple-Negative Breast Cancer. <i>Cancers</i> , 2022, 14, 562.	3.7	7
39	Metabolic Studies in Organoids: Current Applications, Opportunities and Challenges. <i>Organoids</i> , 2022, 1, 85-105.	3.1	7
40	Killing two birds with one stone: Blocking the mitochondrial pyruvate carrier to inhibit lactate uptake by cancer cells and radiosensitize tumors. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1465016.	0.7	4
41	Acetate: Friend or foe against breast tumour growth in the context of obesity?. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14195-14204.	3.6	4
42	Inhibition of basal and glucagon-induced hepatic glucose production by 991 and other pharmacological AMPK activators. <i>Biochemical Journal</i> , 2022, 479, 1317-1336.	3.7	2
43	Editorial: Therapeutic Targeting of Cancer Stem-Like Cells (CSC) â€™ The Current State of the Art. <i>Frontiers in Oncology</i> , 2020, 10, 243.	2.8	1