

Rob A Cairns

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

9,462
citations

331670
21
h-index

526287
27
g-index

27
all docs

27
docs citations

27
times ranked

17430
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of cancer cell metabolism. Nature Reviews Cancer, 2011, 11, 85-95.	28.4	4,100
2	HIF-1 mediates adaptation to hypoxia by actively downregulating mitochondrial oxygen consumption. Cell Metabolism, 2006, 3, 187-197.	16.2	1,919
3	Cancer-associated metabolite 2-hydroxyglutarate accumulates in acute myelogenous leukemia with isocitrate dehydrogenase 1 and 2 mutations. Journal of Experimental Medicine, 2010, 207, 339-344.	8.5	657
4	IDH2 mutations are frequent in angioimmunoblastic T-cell lymphoma. Blood, 2012, 119, 1901-1903.	1.4	435
5	Recurrent TET2 mutations in peripheral T-cell lymphomas correlate with TFH-like features and adverse clinical parameters. Blood, 2012, 120, 1466-1469.	1.4	402
6	Oncogenic Isocitrate Dehydrogenase Mutations: Mechanisms, Models, and Clinical Opportunities. Cancer Discovery, 2013, 3, 730-741.	9.4	371
7	D-2-hydroxyglutarate produced by mutant IDH1 perturbs collagen maturation and basement membrane function. Genes and Development, 2012, 26, 2038-2049.	5.9	257
8	Acute Hypoxia Enhances Spontaneous Lymph Node Metastasis in an Orthotopic Murine Model of Human Cervical Carcinoma. Cancer Research, 2004, 64, 2054-2061.	0.9	208
9	Mutant IDH1 Downregulates ATM and Alters DNA Repair and Sensitivity to DNA Damage Independent of TET2. Cancer Cell, 2016, 30, 337-348.	16.8	166
10	Metabolic targeting of hypoxia and HIF1 in solid tumors can enhance cytotoxic chemotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9445-9450.	7.1	152
11	Mutant IDH1 is sufficient to initiate enchondromatosis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2829-2834.	7.1	115
12	PINK1 Is a Negative Regulator of Growth and the Warburg Effect in Glioblastoma. Cancer Research, 2016, 76, 4708-4719.	0.9	107
13	p53 mutants cooperate with HIF-1 in transcriptional regulation of extracellular matrix components to promote tumor progression. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10869-E10878.	7.1	102
14	The IDH2 R172K mutation associated with angioimmunoblastic T-cell lymphoma produces 2HG in T cells and impacts lymphoid development. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 15084-15089.	7.1	96
15	ALDH2(E487K) mutation increases protein turnover and promotes murine hepatocarcinogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9088-9093.	7.1	78
16	The current state of cancer metabolism. Nature Reviews Cancer, 2016, 16, 613-614.	28.4	57
17	Drivers of the Warburg Phenotype. Cancer Journal (Sudbury, Mass), 2015, 21, 56-61.	2.0	51
18	Metabolic targeting of HIF-dependent glycolysis reduces lactate, increases oxygen consumption and enhances response to high-dose single-fraction radiotherapy in hypoxic solid tumors. BMC Cancer, 2017, 17, 418.	2.6	43

#	ARTICLE	IF	CITATIONS
19	A fluorescent orthotopic model of metastatic cervical carcinoma. Clinical and Experimental Metastasis, 2004, 21, 275-282.	3.3	31
20	Pharmacologically Increased Tumor Hypoxia Can Be Measured by 18F-Fluoroazomycin Arabinoside Positron Emission Tomography and Enhances Tumor Response to Hypoxic Cytotoxin PR-104. Clinical Cancer Research, 2009, 15, 7170-7174.	7.0	31
21	Loss of 5-hydroxymethylcytosine is a frequent event in peripheral T-cell lymphomas. Haematologica, 2018, 103, e115-e118.	3.5	23
22	IDH1 deficiency attenuates gluconeogenesis in mouse liver by impairing amino acid utilization. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 292-297.	7.1	19
23	<i>Idh1</i> mutations contribute to the development of T-cell malignancies in genetically engineered mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1387-1392.	7.1	16
24	Fire and water: Tumor cell adaptation to metabolic conditions. Experimental Cell Research, 2017, 356, 204-208.	2.6	16
25	An Alternative Sugar Fuels AML. Cancer Cell, 2016, 30, 660-662.	16.8	6
26	S-2HG is an immunometabolite that shapes the T-cell response. Cell Death and Differentiation, 2017, 24, 195-196.	11.2	3
27	Lung Cancer Resets the Liver's Metabolic Clock. Cell Metabolism, 2016, 23, 767-769.	16.2	1