

Rob A Cairns

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.

26
papers

7,800
citations

20
h-index

27
g-index

27
ext. papers

8,736
ext. citations

13.1
avg, IF

6.15
L-index

#	Paper	IF	Citations
26	Regulation of cancer cell metabolism. <i>Nature Reviews Cancer</i> , 2011 , 11, 85-95	31.3	3403
25	HIF-1 mediates adaptation to hypoxia by actively downregulating mitochondrial oxygen consumption. <i>Cell Metabolism</i> , 2006 , 3, 187-97	24.6	1595
24	Cancer-associated metabolite 2-hydroxyglutarate accumulates in acute myelogenous leukemia with isocitrate dehydrogenase 1 and 2 mutations. <i>Journal of Experimental Medicine</i> , 2010 , 207, 339-44	16.6	564
23	IDH2 mutations are frequent in angioimmunoblastic T-cell lymphoma. <i>Blood</i> , 2012 , 119, 1901-3	2.2	364
22	Recurrent TET2 mutations in peripheral T-cell lymphomas correlate with TFH-like features and adverse clinical parameters. <i>Blood</i> , 2012 , 120, 1466-9	2.2	319
21	Oncogenic isocitrate dehydrogenase mutations: mechanisms, models, and clinical opportunities. <i>Cancer Discovery</i> , 2013 , 3, 730-41	24.4	314
20	D-2-hydroxyglutarate produced by mutant IDH1 perturbs collagen maturation and basement membrane function. <i>Genes and Development</i> , 2012 , 26, 2038-49	12.6	218
19	Acute hypoxia enhances spontaneous lymph node metastasis in an orthotopic murine model of human cervical carcinoma. <i>Cancer Research</i> , 2004 , 64, 2054-61	10.1	186
18	Metabolic targeting of hypoxia and HIF1 in solid tumors can enhance cytotoxic chemotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9445-50	11.5	134
17	Mutant IDH1 Downregulates ATM and Alters DNA Repair and Sensitivity to DNA Damage Independent of TET2. <i>Cancer Cell</i> , 2016 , 30, 337-348	24.3	121
16	PINK1 Is a Negative Regulator of Growth and the Warburg Effect in Glioblastoma. <i>Cancer Research</i> , 2016 , 76, 4708-19	10.1	80
15	Mutant IDH is sufficient to initiate enchondromatosis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2829-34	11.5	80
14	p53 mutants cooperate with HIF-1 in transcriptional regulation of extracellular matrix components to promote tumor progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10869-E10878	11.5	73
13	The IDH2 R172K mutation associated with angioimmunoblastic T-cell lymphoma produces 2HG in T cells and impacts lymphoid development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 15084-15089	11.5	58
12	ALDH2(E487K) mutation increases protein turnover and promotes murine hepatocarcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9088-93	11.5	54
11	Drivers of the Warburg phenotype. <i>Cancer Journal (Sudbury, Mass)</i> , 2015 , 21, 56-61	2.2	40
10	A fluorescent orthotopic model of metastatic cervical carcinoma. <i>Clinical and Experimental Metastasis</i> , 2004 , 21, 275-81	4.7	30

9	Metabolic targeting of HIF-dependent glycolysis reduces lactate, increases oxygen consumption and enhances response to high-dose single-fraction radiotherapy in hypoxic solid tumors. <i>BMC Cancer</i> , 2017 , 17, 418	4.8	29
8	Pharmacologically increased tumor hypoxia can be measured by 18F-Fluoroazomycin arabinoside positron emission tomography and enhances tumor response to hypoxic cytotoxin PR-104. <i>Clinical Cancer Research</i> , 2009 , 15, 7170-4	12.9	29
7	Loss of 5-hydroxymethylcytosine is a frequent event in peripheral T-cell lymphomas. <i>Haematologica</i> , 2018 , 103, e115-e118	6.6	19
6	IDH1 deficiency attenuates gluconeogenesis in mouse liver by impairing amino acid utilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 292-297	11.5	13
5	Idh1 mutations contribute to the development of T-cell malignancies in genetically engineered mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1387-92	11.5	13
4	Fire and water: Tumor cell adaptation to metabolic conditions. <i>Experimental Cell Research</i> , 2017 , 356, 204-208	4.2	11
3	An Alternative Sugar Fuels AML. <i>Cancer Cell</i> , 2016 , 30, 660-662	24.3	4
2	S-2HG is an immunometabolite that shapes the T-cell response. <i>Cell Death and Differentiation</i> , 2017 , 24, 195-196	12.7	2
1	Lung Cancer Resets the Liver's Metabolic Clock. <i>Cell Metabolism</i> , 2016 , 23, 767-9	24.6	1