

# Cancer metabolism: fatty acid oxidation in the limelight

Nature Reviews Cancer

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Membrane fluidity matters: Hyperthermia from the aspects of lipids and membranes. <i>International Journal of Hyperthermia</i> , 2013, 29, 491-499.	1.1	53
2	Metabolic targets for cancer therapy. <i>Nature Reviews Drug Discovery</i> , 2013, 12, 829-846.	21.5	592
3	A Review of Applications of Metabolomics in Cancer. <i>Metabolites</i> , 2013, 3, 552-574.	1.3	217
4	Deficiency of metabolic regulator FGFR4 delays breast cancer progression through systemic and microenvironmental metabolic alterations. <i>Cancer &amp; Metabolism</i> , 2013, 1, 21.	2.4	24
5	Cell Survival during Complete Nutrient Deprivation Depends on Lipid Droplet-fueled $\beta$ -Oxidation of Fatty Acids. <i>Journal of Biological Chemistry</i> , 2013, 288, 27777-27788.	1.6	131
6	Proteomics and metabolomics in cancer drug development. <i>Expert Review of Proteomics</i> , 2013, 10, 473-488.	1.3	13
7	PML: Not all about Tumor Suppression. <i>Frontiers in Oncology</i> , 2013, 3, 200.	1.3	11
8	Inhibition of PPAR $\alpha$ Induces Cell Cycle Arrest and Apoptosis, and Synergizes with Glycolysis Inhibition in Kidney Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e71115.	1.1	56
9	Pulmonary Oxidative Stress, Inflammation and Cancer: Respirable Particulate Matter, Fibrous Dusts and Ozone as Major Causes of Lung Carcinogenesis through Reactive Oxygen Species Mechanisms. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 3886-3907.	1.2	577
10	Group X secreted phospholipase A2 induces lipid droplet formation and prolongs breast cancer cell survival. <i>Molecular Cancer</i> , 2013, 12, 111.	7.9	73
11	High Metastatic gastric and Breast Cancer Cells Consume Oleic Acid in an AMPK Dependent Manner. <i>PLoS ONE</i> , 2014, 9, e97330.	1.1	75
12	Rapid Analysis of Glycolytic and Oxidative Substrate Flux of Cancer Cells in a Microplate. <i>PLoS ONE</i> , 2014, 9, e109916.	1.1	133
13	Targeting Intracellular Cholesterol is a Novel Therapeutic Strategy for Cancer Treatment. <i>Journal of Cancer Science &amp; Therapy</i> , 2014, 6, 510-513.	1.7	33
14	Hypoxic regulation of metabolism offers new opportunities for anticancer therapy. <i>Expert Review of Anticancer Therapy</i> , 2014, 14, 979-981.	1.1	5
15	Endothelial cell metabolism: parallels and divergences with cancer cell metabolism. <i>Cancer &amp; Metabolism</i> , 2014, 2, 19.	2.4	91
16	AKT1 and MYC Induce Distinctive Metabolic Fingerprints in Human Prostate Cancer. <i>Cancer Research</i> , 2014, 74, 7198-7204.	0.4	124
17	Inhibition of ATP citrate lyase induces triglyceride accumulation with altered fatty acid composition in cancer cells. <i>International Journal of Cancer</i> , 2014, 135, 37-47.	2.3	52
18	Secreted phospholipases A2 in cancer: Diverse mechanisms of action. <i>Biochimie</i> , 2014, 107, 114-123.	1.3	80

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19	Metabolic requirements for the maintenance of self-renewing stem cells. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 243-256.	16.1	848
20	Enzyme 15- $\alpha$ -hydroxycarboxylase 1 promotes hypoxia-inducible factor 1 turnover and reduces vascular endothelial growth factor expression: implications for angiogenesis. <i>Cancer Medicine</i> , 2014, 3, 514-525.	1.3	4
21	Surviving change: the metabolic journey of hematopoietic stem cells. <i>Trends in Cell Biology</i> , 2014, 24, 479-487.	3.6	120
22	Targeting Metabolic Changes in Cancer: Novel Therapeutic Approaches. <i>Annual Review of Medicine</i> , 2014, 65, 157-170.	5.0	54
23	Targeting cancer stem cells to suppress acquired chemotherapy resistance. <i>Oncogene</i> , 2014, 33, 4451-4463.	2.6	213
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25	Hypoxia and cancer cell metabolism. <i>Acta Biochimica Et Biophysica Sinica</i> , 2014, 46, 214-219.	0.9	58
26	Nrf2 affects the efficiency of mitochondrial fatty acid oxidation. <i>Biochemical Journal</i> , 2014, 457, 415-424.	1.7	192
27	Lipid Catabolism via CPT1 as a Therapeutic Target for Prostate Cancer. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 2361-2371.	1.9	233
28	Antineoplastic activity of strawberry ( <i>Fragaria Ananassa</i> Duch.) crude extracts on B16-F10 melanoma cells. <i>Molecular BioSystems</i> , 2014, 10, 1255-1263.	2.9	31
29	Induction of autophagy supports the bioenergetic demands of quiescent muscle stem cell activation. <i>EMBO Journal</i> , 2014, 33, 2782-2797.	3.5	235
30	Measurement of Fatty Acid Oxidation Rates in Animal Tissues and Cell Lines. <i>Methods in Enzymology</i> , 2014, 542, 391-405.	0.4	120
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32	Preclinical Evaluation of <sup>18</sup> F-Fluoro-2,2-Dimethylpropionic Acid as an Imaging Agent for Tumor Detection. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1506-1512.	2.8	22
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37	Targeting lipid metabolism to starve and stop cancer cells. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 905-907.	1.0	1

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38	Metabolic Adaptations in Diabetic Endothelial Cells. <i>Circulation Journal</i> , 2015, 79, 934-941.	0.7	40
39	Targeting the leukemia cell metabolism by the CPT1a inhibition: functional preclinical effects in leukemias. <i>Blood</i> , 2015, 126, 1925-1929.	0.6	154
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41	Reduced keratin expression in colorectal neoplasia and associated fields is reversible by diet and resection. <i>BMJ Open Gastroenterology</i> , 2015, 2, e000022.	1.1	6
42	Metabolic signatures differentiate ovarian from colon cancer cell lines. <i>Journal of Translational Medicine</i> , 2015, 13, 223.	1.8	34
43	Analysis of autophagic flux in response to sulforaphane in metastatic prostate cancer cells. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1954-1961.	1.5	16
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53	Metabolomic analysis of prostate cancer risk in a prospective cohort: The alpha-tocopherol, beta-carotene cancer prevention (ATBC) study. <i>International Journal of Cancer</i> , 2015, 137, 2124-2132.	2.3	133
54	Stratification of Hepatocellular Carcinoma Patients Based on Acetate Utilization. <i>Cell Reports</i> , 2015, 13, 2014-2026.	2.9	113
55	Mitochondrial Proteomics Approach Reveals Voltage-Dependent Anion Channel 1 (VDAC1) as a Potential Biomarker of Gastric Cancer. <i>Cellular Physiology and Biochemistry</i> , 2015, 37, 2339-2354.	1.1	26

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74	Grade-Dependent Metabolic Reprogramming in Kidney Cancer Revealed by Combined Proteomics and Metabolomics Analysis. <i>Cancer Research</i> , 2015, 75, 2541-2552.	0.4	236
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113	Serum metabolomic profiling of prostate cancer risk in the prostate, lung, colorectal, and ovarian cancer screening trial. <i>British Journal of Cancer</i> , 2016, 115, 1087-1095.	2.9	52
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120	Clinical significance of T cell metabolic reprogramming in cancer. <i>Clinical and Translational Medicine</i> , 2016, 5, 29.	1.7	69
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122	Graphene oxide induces plasma membrane damage, reactive oxygen species accumulation and fatty acid profiles change in <i>Pichia pastoris</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 372-378.	2.9	10
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132	Enhanced OXPHOS, glutaminolysis and $\hat{I}^2$ -oxidation constitute the metastatic phenotype of melanoma cells. <i>Biochemical Journal</i> , 2016, 473, 703-715.	1.7	76
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145	Recent progress in the discovery and development of stearoyl CoA desaturase inhibitors. <i>Chemistry and Physics of Lipids</i> , 2016, 197, 3-12.	1.5	55
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153	Mitochondrial metabolism and energy sensing in tumor progression. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 582-590.	0.5	67
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157	Advances in Radiation Oncology. <i>Cancer Treatment and Research</i> , 2017, , .	0.2	7
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160	The IL-6 axis controls self-renewal and endocrine therapy resistance by fine-tuning mitochondrial activity. <i>Oncogene</i> , 2017, 36, 5145-5157.	2.6	35
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