

# Ubaldo E Martinez-Outschoorn

## 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.

56  
papers

3,862  
citations

34  
h-index

57  
g-index

57  
ext. papers

4,675  
ext. citations

6  
avg, IF

5.59  
L-index

#	Paper	IF	Citations
56	Cancer metabolism: a therapeutic perspective. <i>Nature Reviews Clinical Oncology</i> , <b>2017</b> , 14, 11-31	19.4	659
55	Cancer stem cell metabolism. <i>Breast Cancer Research</i> , <b>2016</b> , 18, 55	8.3	261
54	Catabolic cancer-associated fibroblasts transfer energy and biomass to anabolic cancer cells, fueling tumor growth. <i>Seminars in Cancer Biology</i> , <b>2014</b> , 25, 47-60	12.7	252
53	Cancer metabolism, stemness and tumor recurrence: MCT1 and MCT4 are functional biomarkers of metabolic symbiosis in head and neck cancer. <i>Cell Cycle</i> , <b>2013</b> , 12, 1371-84	4.7	159
52	CDK inhibitors (p16/p19/p21) induce senescence and autophagy in cancer-associated fibroblasts, "fueling" tumor growth via paracrine interactions, without an increase in neo-angiogenesis. <i>Cell Cycle</i> , <b>2012</b> , 11, 3599-610	4.7	147
51	Tumor microenvironment and metabolic synergy in breast cancers: critical importance of mitochondrial fuels and function. <i>Seminars in Oncology</i> , <b>2014</b> , 41, 195-216	5.5	141
50	Metabolic coupling and the Reverse Warburg Effect in cancer: Implications for novel biomarker and anticancer agent development. <i>Seminars in Oncology</i> , <b>2017</b> , 44, 198-203	5.5	141
49	Caveolae and signalling in cancer. <i>Nature Reviews Cancer</i> , <b>2015</b> , 15, 225-37	31.3	135
48	Repurposing atovaquone: targeting mitochondrial complex III and OXPHOS to eradicate cancer stem cells. <i>Oncotarget</i> , <b>2016</b> , 7, 34084-99	3.3	127
47	Mitochondria "fuel" breast cancer metabolism: fifteen markers of mitochondrial biogenesis label epithelial cancer cells, but are excluded from adjacent stromal cells. <i>Cell Cycle</i> , <b>2012</b> , 11, 4390-401	4.7	118
46	Ketone body utilization drives tumor growth and metastasis. <i>Cell Cycle</i> , <b>2012</b> , 11, 3964-71	4.7	113
45	Oncogenes induce the cancer-associated fibroblast phenotype: metabolic symbiosis and "fibroblast addiction" are new therapeutic targets for drug discovery. <i>Cell Cycle</i> , <b>2013</b> , 12, 2723-32	4.7	90
44	Ketone bodies and two-compartment tumor metabolism: stromal ketone production fuels mitochondrial biogenesis in epithelial cancer cells. <i>Cell Cycle</i> , <b>2012</b> , 11, 3956-63	4.7	89
43	Mitochondrial mass, a new metabolic biomarker for stem-like cancer cells: Understanding WNT/FGF-driven anabolic signaling. <i>Oncotarget</i> , <b>2015</b> , 6, 30453-71	3.3	84
42	Bedaquiline, an FDA-approved antibiotic, inhibits mitochondrial function and potently blocks the proliferative expansion of stem-like cancer cells (CSCs). <i>Aging</i> , <b>2016</b> , 8, 1593-607	5.6	83
41	Metabolic reprogramming and two-compartment tumor metabolism: opposing role(s) of HIF1 $\alpha$ and HIF2 $\alpha$ in tumor-associated fibroblasts and human breast cancer cells. <i>Cell Cycle</i> , <b>2012</b> , 11, 3280-9	4.7	67
40	Oncogenes and inflammation rewire host energy metabolism in the tumor microenvironment: RAS and NFB target stromal MCT4. <i>Cell Cycle</i> , <b>2013</b> , 12, 2580-97	4.7	65

39	Metastasis and Oxidative Stress: Are Antioxidants a Metabolic Driver of Progression?. <i>Cell Metabolism</i> , <b>2015</b> , 22, 956-8	24.6	64
38	Mitochondrial dysfunction in breast cancer cells prevents tumor growth: understanding chemoprevention with metformin. <i>Cell Cycle</i> , <b>2013</b> , 12, 172-82	4.7	64
37	BRCA1 mutations drive oxidative stress and glycolysis in the tumor microenvironment: implications for breast cancer prevention with antioxidant therapies. <i>Cell Cycle</i> , <b>2012</b> , 11, 4402-13	4.7	64
36	Prognostic Indications of Elevated MCT4 and CD147 across Cancer Types: A Meta-Analysis. <i>BioMed Research International</i> , <b>2015</b> , 2015, 242437	3	56
35	TP53-inducible Glycolysis and Apoptosis Regulator (TIGAR) Metabolically Reprograms Carcinoma and Stromal Cells in Breast Cancer. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 26291-26303	5.4	48
34	Fructose 2,6-Bisphosphate in Cancer Cell Metabolism. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 331	5.3	46
33	JNK1 stress signaling is hyper-activated in high breast density and the tumor stroma: connecting fibrosis, inflammation, and stemness for cancer prevention. <i>Cell Cycle</i> , <b>2014</b> , 13, 580-99	4.7	42
32	Cigarette smoke metabolically promotes cancer, via autophagy and premature aging in the host stromal microenvironment. <i>Cell Cycle</i> , <b>2013</b> , 12, 818-25	4.7	42
31	Autophagy in cancer: a complex relationship. <i>Biochemical Journal</i> , <b>2018</b> , 475, 1939-1954	3.8	41
30	Hereditary ovarian cancer and two-compartment tumor metabolism: epithelial loss of BRCA1 induces hydrogen peroxide production, driving oxidative stress and NFB activation in the tumor stroma. <i>Cell Cycle</i> , <b>2012</b> , 11, 4152-66	4.7	41
29	Ethanol exposure induces the cancer-associated fibroblast phenotype and lethal tumor metabolism: implications for breast cancer prevention. <i>Cell Cycle</i> , <b>2013</b> , 12, 289-301	4.7	39
28	Desmoglein 2 modulates extracellular vesicle release from squamous cell carcinoma keratinocytes. <i>FASEB Journal</i> , <b>2017</b> , 31, 3412-3424	0.9	38
27	Metabolic remodeling of the tumor microenvironment: migration stimulating factor (MSF) reprograms myofibroblasts toward lactate production, fueling anabolic tumor growth. <i>Cell Cycle</i> , <b>2012</b> , 11, 3403-14	4.7	37
26	A two-step approach to myeloablative haploidentical transplantation: low nonrelapse mortality and high survival confirmed in patients with earlier stage disease. <i>Biology of Blood and Marrow Transplantation</i> , <b>2015</b> , 21, 646-52	4.7	36
25	Metformin effects on head and neck squamous carcinoma microenvironment: Window of opportunity trial. <i>Laryngoscope</i> , <b>2017</b> , 127, 1808-1815	3.6	35
24	Targeting cancer stem cell propagation with palbociclib, a CDK4/6 inhibitor: Telomerase drives tumor cell heterogeneity. <i>Oncotarget</i> , <b>2017</b> , 8, 9868-9884	3.3	35
23	Reverse Warburg effect in a patient with aggressive B-cell lymphoma: is lactic acidosis a paraneoplastic syndrome?. <i>Seminars in Oncology</i> , <b>2013</b> , 40, 403-18	5.5	35
22	Pilot study demonstrating metabolic and anti-proliferative effects of in vivo anti-oxidant supplementation with N-Acetylcysteine in Breast Cancer. <i>Seminars in Oncology</i> , <b>2017</b> , 44, 226-232	5.5	30

21	Metformin as a Therapeutic Target in Endometrial Cancers. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 341	5.3	30
20	Hodgkin lymphoma: A complex metabolic ecosystem with glycolytic reprogramming of the tumor microenvironment. <i>Seminars in Oncology</i> , <b>2017</b> , 44, 218-225	5.5	25
19	Mitochondrial Metabolism as a Treatment Target in Anaplastic Thyroid Cancer. <i>Seminars in Oncology</i> , <b>2015</b> , 42, 915-22	5.5	24
18	Creating a tumor-resistant microenvironment: cell-mediated delivery of TNF $\alpha$ completely prevents breast cancer tumor formation in vivo. <i>Cell Cycle</i> , <b>2013</b> , 12, 480-90	4.7	23
17	The milk protein $\beta$ -casein functions as a tumor suppressor via activation of STAT1 signaling, effectively preventing breast cancer tumor growth and metastasis. <i>Cell Cycle</i> , <b>2012</b> , 11, 3972-82	4.7	23
16	Compartment-specific activation of PPAR $\gamma$ governs breast cancer tumor growth, via metabolic reprogramming and symbiosis. <i>Cell Cycle</i> , <b>2013</b> , 12, 1360-70	4.7	23
15	Monocarboxylate Transporter 4 (MCT4) Knockout Mice Have Attenuated 4NQO Induced Carcinogenesis; A Role for MCT4 in Driving Oral Squamous Cell Cancer. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 324	5.3	22
14	A Two-Step Haploidentical Versus a Two-Step Matched Related Allogeneic Myeloablative Peripheral Blood Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , <b>2016</b> , 22, 1414-8	4.7	21
13	Mitochondrial and glycolytic metabolic compartmentalization in diffuse large B-cell lymphoma. <i>Seminars in Oncology</i> , <b>2017</b> , 44, 204-217	5.5	21
12	Multi-focal control of mitochondrial gene expression by oncogenic MYC provides potential therapeutic targets in cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 72395-72414	3.3	19
11	Metformin Clinical Trial in HPV+ and HPV- Head and Neck Squamous Cell Carcinoma: Impact on Cancer Cell Apoptosis and Immune Infiltrate. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 436	5.3	18
10	Metabolic asymmetry in cancer: a "balancing act" that promotes tumor growth. <i>Cancer Cell</i> , <b>2014</b> , 26, 5-7	24.3	15
9	Multicompartment metabolism in papillary thyroid cancer. <i>Laryngoscope</i> , <b>2016</b> , 126, 2410-2418	3.6	13
8	Stromal glycolysis and MCT4 are hallmarks of DCIS progression to invasive breast cancer. <i>Cell Cycle</i> , <b>2013</b> , 12, 2935-6	4.7	11
7	Cigarette Smoke Induces Metabolic Reprogramming of the Tumor Stroma in Head and Neck Squamous Cell Carcinoma. <i>Molecular Cancer Research</i> , <b>2019</b> , 17, 1893-1909	6.6	10
6	Acquired uniparental disomy in chromosome 6p as a feature of relapse after T-cell replete haploidentical hematopoietic stem cell transplantation using cyclophosphamide tolerization. <i>Bone Marrow Transplantation</i> , <b>2017</b> , 52, 615-619	4.4	9
5	Tumor Metabolism in the Microenvironment of Nodal Metastasis in Oral Squamous Cell Carcinoma. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2017</b> , 157, 798-807	5.5	9
4	Parathyroid Hormone-Related Peptide-Linked Hypercalcemia in a Melanoma Patient Treated With Ipilimumab: Hormone Source and Clinical and Metabolic Correlates. <i>Seminars in Oncology</i> , <b>2015</b> , 42, 909-14	5.5	6

3	Metformin Effects on Metabolic Coupling and Tumor Growth in Oral Cavity Squamous Cell Carcinoma Coinjection Xenografts. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2018</b> , 158, 867-877	5.5	6
2	EBV-associated Peripheral T-Cell Lymphoma of Gastrointestinal Tract Presented With Widespread Chronic Inflammation: A Case Report. <i>Applied Immunohistochemistry and Molecular Morphology</i> , <b>2017</b> , 25, e1-e8	1.9	1
1	Higher rates of relapse in maternal recipients of haploidentical hematopoietic stem cell transplantation from adult offspring donors for AML and myelodysplastic syndrome. <i>Bone Marrow Transplantation</i> , <b>2017</b> , 52, 1465-1467	4.4	1