

# Arkaitz Carracedo

## List of Publications by Citations

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114  
papers

11,738  
citations

47  
h-index

108  
g-index

126  
ext. papers

13,447  
ext. citations

13.8  
avg. IF

6.07  
L-index

#	Paper	IF	Citations
114	Inhibition of mTORC1 leads to MAPK pathway activation through a PI3K-dependent feedback loop in human cancer. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 3065-74	15.9	1031
113	Tenets of PTEN tumor suppression. <i>Cell</i> , <b>2008</b> , 133, 403-14	56.2	848
112	Cancer metabolism: fatty acid oxidation in the limelight. <i>Nature Reviews Cancer</i> , <b>2013</b> , 13, 227-32	31.3	702
111	The PTEN-PI3K pathway: of feedbacks and cross-talks. <i>Oncogene</i> , <b>2008</b> , 27, 5527-41	9.2	649
110	SIRT3 opposes reprogramming of cancer cell metabolism through HIF1 $\alpha$ destabilization. <i>Cancer Cell</i> , <b>2011</b> , 19, 416-28	24.3	589
109	Aberrant ERG expression cooperates with loss of PTEN to promote cancer progression in the prostate. <i>Nature Genetics</i> , <b>2009</b> , 41, 619-24	36.3	526
108	Cannabinoid action induces autophagy-mediated cell death through stimulation of ER stress in human glioma cells. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 1359-72	15.9	500
107	A PML $\alpha$ pathway for fatty acid oxidation regulates hematopoietic stem cell maintenance. <i>Nature Medicine</i> , <b>2012</b> , 18, 1350-8	50.5	481
106	Subtle variations in Pten dose determine cancer susceptibility. <i>Nature Genetics</i> , <b>2010</b> , 42, 454-8	36.3	438
105	The deubiquitinylation and localization of PTEN are regulated by a HAUSP-PML network. <i>Nature</i> , <b>2008</b> , 455, 813-7	50.4	394
104	High frequency of PTEN, PI3K, and AKT abnormalities in T-cell acute lymphoblastic leukemia. <i>Blood</i> , <b>2009</b> , 114, 647-50	2.2	348
103	Nuclear PTEN regulates the APC-CDH1 tumor-suppressive complex in a phosphatase-independent manner. <i>Cell</i> , <b>2011</b> , 144, 187-99	56.2	289
102	Systemic elevation of PTEN induces a tumor-suppressive metabolic state. <i>Cell</i> , <b>2012</b> , 149, 49-62	56.2	278
101	Cannabinoids induce apoptosis of pancreatic tumor cells via endoplasmic reticulum stress-related genes. <i>Cancer Research</i> , <b>2006</b> , 66, 6748-55	10.1	250
100	A novel type of cellular senescence that can be enhanced in mouse models and human tumor xenografts to suppress prostate tumorigenesis. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 681-93	15.9	249
99	The stress-regulated protein p8 mediates cannabinoid-induced apoptosis of tumor cells. <i>Cancer Cell</i> , <b>2006</b> , 9, 301-12	24.3	245
98	Cannabinoid receptors as novel targets for the treatment of melanoma. <i>FASEB Journal</i> , <b>2006</b> , 20, 2633-50	5.9	203

97	PTEN level in tumor suppression: how much is too little?. <i>Cancer Research</i> , <b>2011</b> , 71, 629-33	10.1	192
96	A metabolic prosurvival role for PML in breast cancer. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 3088-100	9.9	178
95	The metabolic co-regulator PGC1 $\beta$ suppresses prostate cancer metastasis. <i>Nature Cell Biology</i> , <b>2016</b> , 18, 645-656	23.4	140
94	Ubiquitination of K-Ras enhances activation and facilitates binding to select downstream effectors. <i>Science Signaling</i> , <b>2011</b> , 4, ra13	8.8	127
93	Cannabinoids inhibit glioma cell invasion by down-regulating matrix metalloproteinase-2 expression. <i>Cancer Research</i> , <b>2008</b> , 68, 1945-52	10.1	124
92	Rewiring urea cycle metabolism in cancer to support anabolism. <i>Nature Reviews Cancer</i> , <b>2018</b> , 18, 634-645	11.3	107
91	Urea Cycle Dysregulation Generates Clinically Relevant Genomic and Biochemical Signatures. <i>Cell</i> , <b>2018</b> , 174, 1559-1570.e22	56.2	102
90	Aberrant Rheb-mediated mTORC1 activation and Pten haploinsufficiency are cooperative oncogenic events. <i>Genes and Development</i> , <b>2008</b> , 22, 2172-7	12.6	98
89	mTORC1-dependent AMD1 regulation sustains polyamine metabolism in prostate cancer. <i>Nature</i> , <b>2017</b> , 547, 109-113	50.4	92
88	Cannabinoids induce glioma stem-like cell differentiation and inhibit gliomagenesis. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 6854-62	5.4	92
87	Deconstructing feedback-signaling networks to improve anticancer therapy with mTORC1 inhibitors. <i>Cell Cycle</i> , <b>2008</b> , 7, 3805-9	4.7	91
86	Murine double minute 2 regulates Hu antigen R stability in human liver and colon cancer through NEDDylation. <i>Hepatology</i> , <b>2012</b> , 55, 1237-48	11.2	89
85	Different EV enrichment methods suitable for clinical settings yield different subpopulations of urinary extracellular vesicles from human samples. <i>Journal of Extracellular Vesicles</i> , <b>2016</b> , 5, 29497	16.4	89
84	ETS rearrangements and prostate cancer initiation. <i>Nature</i> , <b>2009</b> , 457, E1; discussion E2-3	50.4	88
83	Expression and localization of delta-, kappa-, and mu-opioid receptors in human spermatozoa and implications for sperm motility. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2006</b> , 91, 4969-75	5.6	73
82	Compartmentalized activities of the pyruvate dehydrogenase complex sustain lipogenesis in prostate cancer. <i>Nature Genetics</i> , <b>2018</b> , 50, 219-228	36.3	71
81	Cannabinoids and gliomas. <i>Molecular Neurobiology</i> , <b>2007</b> , 36, 60-7	6.2	69
80	The CB2 cannabinoid receptor signals apoptosis via ceramide-dependent activation of the mitochondrial intrinsic pathway. <i>Experimental Cell Research</i> , <b>2006</b> , 312, 2121-31	4.2	65

79	PTEN mediates Notch-dependent stalk cell arrest in angiogenesis. <i>Nature Communications</i> , <b>2015</b> , 6, 7935-7944	17.4	64
78	Stimulation of the midkine/ALK axis renders glioma cells resistant to cannabinoid antitumoral action. <i>Cell Death and Differentiation</i> , <b>2011</b> , 18, 959-73	12.7	64
77	Metabolic alterations in urine extracellular vesicles are associated to prostate cancer pathogenesis and progression. <i>Journal of Extracellular Vesicles</i> , <b>2018</b> , 7, 1470442	16.4	63
76	p38 MAPK is involved in CB2 receptor-induced apoptosis of human leukaemia cells. <i>FEBS Letters</i> , <b>2005</b> , 579, 5084-8	3.8	61
75	Loss of Tribbles pseudokinase-3 promotes Akt-driven tumorigenesis via FOXO inactivation. <i>Cell Death and Differentiation</i> , <b>2015</b> , 22, 131-44	12.7	60
74	TRB3 links ER stress to autophagy in cannabinoid anti-tumoral action. <i>Autophagy</i> , <b>2009</b> , 5, 1048-9	10.2	59
73	Differential p53-independent outcomes of p19(Arf) loss in oncogenesis. <i>Science Signaling</i> , <b>2009</b> , 2, ra44	8.8	56
72	Nupr1-aurora kinase A pathway provides protection against metabolic stress-mediated autophagic-associated cell death. <i>Clinical Cancer Research</i> , <b>2012</b> , 18, 5234-46	12.9	55
71	Differential requirement of mTOR in postmitotic tissues and tumorigenesis. <i>Science Signaling</i> , <b>2009</b> , 2, ra2	8.8	55
70	The CB(2) cannabinoid receptor regulates human sperm cell motility. <i>Fertility and Sterility</i> , <b>2010</b> , 93, 1378-87	8.7	52
69	RARRES3 suppresses breast cancer lung metastasis by regulating adhesion and differentiation. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 865-81	12	51
68	Transcriptomic profiling of urine extracellular vesicles reveals alterations of CDH3 in prostate cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 6835-46	3.3	48
67	The antidepressant sertraline downregulates Akt and has activity against melanoma cells. <i>Pigment Cell and Melanoma Research</i> , <b>2008</b> , 21, 451-6	4.5	46
66	Vesicle-MaNiA: extracellular vesicles in liquid biopsy and cancer. <i>Current Opinion in Pharmacology</i> , <b>2016</b> , 29, 47-53	5.1	46
65	MicroRNA-506 promotes primary biliary cholangitis-like features in cholangiocytes and immune activation. <i>Hepatology</i> , <b>2018</b> , 67, 1420-1440	11.2	45
64	A unified nomenclature and amino acid numbering for human PTEN. <i>Science Signaling</i> , <b>2014</b> , 7, pe15	8.8	45
63	Ceramide sensitizes astrocytes to oxidative stress: protective role of cannabinoids. <i>Biochemical Journal</i> , <b>2004</b> , 380, 435-40	3.8	45
62	Mitochondrial Metabolism: Yin and Yang for Tumor Progression. <i>Trends in Endocrinology and Metabolism</i> , <b>2017</b> , 28, 748-757	8.8	41

61	Oil for the cancer engine: The cross-talk between oncogenic signaling and polyamine metabolism. <i>Science Advances</i> , <b>2018</b> , 4, eaar2606	14.3	40
60	CANCERTOOL: A Visualization and Representation Interface to Exploit Cancer Datasets. <i>Cancer Research</i> , <b>2018</b> , 78, 6320-6328	10.1	40
59	Differential effects of FXR or TGR5 activation in cholangiocarcinoma progression. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2018</b> , 1864, 1335-1344	6.9	39
58	Comparative miRNA Analysis of Urine Extracellular Vesicles Isolated through Five Different Methods. <i>Cancers</i> , <b>2016</b> , 8,	6.6	35
57	Amphiregulin is a factor for resistance of glioma cells to cannabinoid-induced apoptosis. <i>Glia</i> , <b>2009</b> , 57, 1374-85	9	34
56	The nuclear bodies inside out: PML conquers the cytoplasm. <i>Current Opinion in Cell Biology</i> , <b>2011</b> , 23, 360-6	9	33
55	Hepatic p63 regulates steatosis via IKK $\beta$ /ER stress. <i>Nature Communications</i> , <b>2017</b> , 8, 15111	17.4	32
54	Multiplex SERS Detection of Metabolic Alterations in Tumor Extracellular Media. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910335	15.6	32
53	Down-regulation of tissue inhibitor of metalloproteinases-1 in gliomas: a new marker of cannabinoid antitumoral activity?. <i>Neuropharmacology</i> , <b>2008</b> , 54, 235-43	5.5	30
52	Faithfull modeling of PTEN loss driven diseases in the mouse. <i>Current Topics in Microbiology and Immunology</i> , <b>2010</b> , 347, 135-68	3.3	29
51	Stem cell-like transcriptional reprogramming mediates metastatic resistance to mTOR inhibition. <i>Oncogene</i> , <b>2017</b> , 36, 2737-2749	9.2	27
50	Pharmacological inhibition of fatty-acid oxidation synergistically enhances the effect of l-asparaginase in childhood ALL cells. <i>Leukemia</i> , <b>2016</b> , 30, 209-18	10.7	26
49	VE-cadherin promotes vasculogenic mimicry by modulating kaiso-dependent gene expression. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 348-361	12.7	26
48	Analysis of SUMOylated proteins using SUMO-traps. <i>Scientific Reports</i> , <b>2013</b> , 3, 1690	4.9	26
47	Stratification and therapeutic potential of PML in metastatic breast cancer. <i>Nature Communications</i> , <b>2016</b> , 7, 12595	17.4	26
46	Stimulation of ALK by the growth factor midkine renders glioma cells resistant to autophagy-mediated cell death. <i>Autophagy</i> , <b>2011</b> , 7, 1071-3	10.2	24
45	PGC1 $\beta$ suppresses Prostate Cancer Cell Invasion through ERR $\beta$ transcriptional control. <i>Cancer Research</i> , <b>2019</b> , 79, 6153-6165	10.1	21
44	Metabolism and Transcription in Cancer: Merging Two Classic Tales. <i>Frontiers in Cell and Developmental Biology</i> , <b>2017</b> , 5, 119	5.7	19

43	Methodological aspects of the molecular and histological study of prostate cancer: focus on PTEN. <i>Methods</i> , <b>2015</b> , 77-78, 25-30	4.6	16
42	NUPR1 works against the metabolic stress-induced autophagy-associated cell death in pancreatic cancer cells. <i>Autophagy</i> , <b>2013</b> , 9, 95-7	10.2	16
41	p8 Upregulation sensitizes astrocytes to oxidative stress. <i>FEBS Letters</i> , <b>2006</b> , 580, 1571-5	3.8	16
40	Tetramerization-defects of p53 result in aberrant ubiquitylation and transcriptional activity. <i>Molecular Oncology</i> , <b>2014</b> , 8, 1026-42	7.9	15
39	TRIB3 suppresses tumorigenesis by controlling mTORC2/AKT/FOXO signaling. <i>Molecular and Cellular Oncology</i> , <b>2015</b> , 2, e980134	1.2	15
38	PPAR $\gamma$ Elicits Ligand-Independent Repression of Trefoil Factor Family to Limit Prostate Cancer Growth. <i>Cancer Research</i> , <b>2018</b> , 78, 399-409	10.1	15
37	H NMR-Based Urine Metabolomics Reveals Signs of Enhanced Carbon and Nitrogen Recycling in Prostate Cancer. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 2419-2428	5.6	14
36	Phosphoinositide 3-Kinase-Regulated Pericyte Maturation Governs Vascular Remodeling. <i>Circulation</i> , <b>2020</b> , 142, 688-704	16.7	14
35	SnapShot: PTEN signaling pathways. <i>Cell</i> , <b>2008</b> , 133, 550.e1	56.2	14
34	LUZP1, a novel regulator of primary cilia and the actin cytoskeleton, is a contributing factor in Townes-Brocks Syndrome. <i>ELife</i> , <b>2020</b> , 9,	8.9	14
33	Oncosuppressive functions of tribbles pseudokinase 3. <i>Biochemical Society Transactions</i> , <b>2015</b> , 43, 1122-6	5.1	13
32	Promyelocytic Leukemia Protein, a Protein at the Crossroad of Oxidative Stress and Metabolism. <i>Antioxidants and Redox Signaling</i> , <b>2017</b> , 26, 432-444	8.4	12
31	HuR/ELAVL1 drives malignant peripheral nerve sheath tumor growth and metastasis. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 3848-3864	15.9	12
30	The immunosuppressive effect of the tick protein, Salp15, is long-lasting and persists in a murine model of hematopoietic transplant. <i>Scientific Reports</i> , <b>2017</b> , 7, 10740	4.9	11
29	PML: Not all about Tumor Suppression. <i>Frontiers in Oncology</i> , <b>2013</b> , 3, 200	5.3	11
28	Ikaros mediates the DNA methylation-independent silencing of MCJ/DNAJC15 gene expression in macrophages. <i>Scientific Reports</i> , <b>2015</b> , 5, 14692	4.9	10
27	Targeting PML in triple negative breast cancer elicits growth suppression and senescence. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 1186-1199	12.7	10
26	The promyelocytic leukemia protein is upregulated in conditions of obesity and liver steatosis. <i>International Journal of Biological Sciences</i> , <b>2015</b> , 11, 629-32	11.2	9

25	Low-dose statin treatment increases prostate cancer aggressiveness. <i>Oncotarget</i> , <b>2018</b> , 9, 1494-1504	3.3	9
24	The Urinary Transcriptome as a Source of Biomarkers for Prostate Cancer. <i>Cancers</i> , <b>2020</b> , 12,	6.6	8
23	Prospects of Surface-Enhanced Raman Spectroscopy for Biomarker Monitoring toward Precision Medicine.. <i>ACS Photonics</i> , <b>2022</b> , 9, 333-350	6.3	7
22	Genetic manipulation of LKB1 elicits lethal metastatic prostate cancer. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	7
21	In-silico gene essentiality analysis of polyamine biosynthesis reveals APRT as a potential target in cancer. <i>Scientific Reports</i> , <b>2017</b> , 7, 14358	4.9	6
20	CDCP1 overexpression drives prostate cancer progression and can be targeted in vivo. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 2435-2450	15.9	6
19	Identification of proximal SUMO-dependent interactors using SUMO-ID. <i>Nature Communications</i> , <b>2021</b> , 12, 6671	17.4	6
18	Integrative analysis of transcriptomics and clinical data uncovers the tumor-suppressive activity of MITF in prostate cancer. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 1041	9.8	6
17	Is the bench getting closer to the bedside in the war on cancer? A quick look at prostate cancer. <i>Frontiers in Endocrinology</i> , <b>2012</b> , 3, 53	5.7	5
16	Nanocomposite Scaffolds for Monitoring of Drug Diffusion in Three-Dimensional Cell Environments by Surface-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , <b>2021</b> , 21, 8785-8793	11.5	5
15	Quiescence-like Metabolism to Push Cancer Out of the Race. <i>Cell Metabolism</i> , <b>2017</b> , 25, 997-999	24.6	4
14	rMTA: robust metabolic transformation analysis. <i>Bioinformatics</i> , <b>2019</b> , 35, 4350-4355	7.2	4
13	Genomic and Functional Regulation of TRIB1 Contributes to Prostate Cancer Pathogenesis. <i>Cancers</i> , <b>2020</b> , 12,	6.6	3
12	Stromal Oncostatin M cytokine promotes breast cancer progression by reprogramming the tumour microenvironment.. <i>Journal of Clinical Investigation</i> , <b>2022</b> ,	15.9	3
11	Identification of Androgen Receptor Metabolic Correlome Reveals the Repression of Ceramide Kinase by Androgens. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
10	CK1 $\beta$ promotes tumour suppressive autophagy. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 369-371	23.4	1
9	Implication of Ceramide Kinase/C1P in Cancer Development and Progression.. <i>Cancers</i> , <b>2022</b> , 14,	6.6	1
8	Targeting Cannabinoid Receptors in Brain Tumors <b>2008</b> , 361-374		1

7	Cannabinoids as Potential Antitumoral Agents in Pancreatic Cancer <b>2009</b> , 39-49		1
6	USP29 is a novel non-canonical Hypoxia Inducible Factor-1 $\alpha$ activator		1
5	Methionine Cycle Rewiring by Targeting miR-873-5p Modulates Ammonia Metabolism to Protect the Liver from Acetaminophen. <i>Antioxidants</i> , <b>2022</b> , 11, 897	7.1	1
4	LUZP1 Controls Cell Division, Migration and Invasion Through Regulation of the Actin Cytoskeleton. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 624089	5.7	0
3	Re-evaluating statin activity in cancer. <i>Aging</i> , <b>2018</b> , 10, 1538-1539	5.6	
2	Arkaitz Carracedo: If the scientific question is good, the result will be interesting. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 2449-2450	16.6	
1	PI3K-regulated Glycine N-methyltransferase is required for the development of prostate cancer.. <i>Oncogenesis</i> , <b>2022</b> , 11, 10	6.6	