

Ronald A Depinho

List of Publications by Citations

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102
papers

23,434
citations

56
h-index

109
g-index

109
ext. papers

27,457
ext. citations

23.9
avg, IF

6.55
L-index

#	Paper	IF	Citations
102	Telomere shortening and tumor formation by mouse cells lacking telomerase RNA. <i>Cell</i> , 1997 , 91, 25-34	56.2	1779
101	The oncogene and Polycomb-group gene bmi-1 regulates cell proliferation and senescence through the ink4a locus. <i>Nature</i> , 1999 , 397, 164-8	50.4	1328
100	Oncogenic Kras maintains pancreatic tumors through regulation of anabolic glucose metabolism. <i>Cell</i> , 2012 , 149, 656-70	56.2	1203
99	Glutamine supports pancreatic cancer growth through a KRAS-regulated metabolic pathway. <i>Nature</i> , 2013 , 496, 101-5	50.4	1197
98	Telomere dysfunction induces metabolic and mitochondrial compromise. <i>Nature</i> , 2011 , 470, 359-65	50.4	906
97	Telomere dysfunction promotes non-reciprocal translocations and epithelial cancers in mice. <i>Nature</i> , 2000 , 406, 641-5	50.4	903
96	Genetics and biology of pancreatic ductal adenocarcinoma. <i>Genes and Development</i> , 2006 , 20, 1218-49	12.6	818
95	p53 deficiency rescues the adverse effects of telomere loss and cooperates with telomere dysfunction to accelerate carcinogenesis. <i>Cell</i> , 1999 , 97, 527-38	56.2	812
94	Activated Kras and Ink4a/Arf deficiency cooperate to produce metastatic pancreatic ductal adenocarcinoma. <i>Genes and Development</i> , 2003 , 17, 3112-26	12.6	785
93	Essential role for oncogenic Ras in tumour maintenance. <i>Nature</i> , 1999 , 400, 468-72	50.4	777
92	The age of cancer. <i>Nature</i> , 2000 , 408, 248-54	50.4	745
91	Oncogene ablation-resistant pancreatic cancer cells depend on mitochondrial function. <i>Nature</i> , 2014 , 514, 628-32	50.4	727
90	Tumor Evolution of Glioma-Intrinsic Gene Expression Subtypes Associates with Immunological Changes in the Microenvironment. <i>Cancer Cell</i> , 2017 , 32, 42-56.e6	24.3	680
89	Telomerase reactivation reverses tissue degeneration in aged telomerase-deficient mice. <i>Nature</i> , 2011 , 469, 102-6	50.4	536
88	Linking functional decline of telomeres, mitochondria and stem cells during ageing. <i>Nature</i> , 2010 , 464, 520-8	50.4	529
87	Smad4 is dispensable for normal pancreas development yet critical in progression and tumor biology of pancreas cancer. <i>Genes and Development</i> , 2006 , 20, 3130-46	12.6	482
86	Both p16(Ink4a) and the p19(Arf)-p53 pathway constrain progression of pancreatic adenocarcinoma in the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 5947-52	11.5	463

85	Telomere dysfunction and evolution of intestinal carcinoma in mice and humans. <i>Nature Genetics</i> , 2001 , 28, 155-9	36.3	437
84	Yap1 activation enables bypass of oncogenic Kras addiction in pancreatic cancer. <i>Cell</i> , 2014 , 158, 185-197	36.2	426
83	Essential role of limiting telomeres in the pathogenesis of Werner syndrome. <i>Nature Genetics</i> , 2004 , 36, 877-82	36.3	385
82	SMAD4-dependent barrier constrains prostate cancer growth and metastatic progression. <i>Nature</i> , 2011 , 470, 269-73	50.4	383
81	Regulation of autophagy and the ubiquitin-proteasome system by the FoxO transcriptional network during muscle atrophy. <i>Nature Communications</i> , 2015 , 6, 6670	17.4	357
80	An inhibitor of oxidative phosphorylation exploits cancer vulnerability. <i>Nature Medicine</i> , 2018 , 24, 1036-1046	50.6	348
79	DAP kinase activates a p19ARF/p53-mediated apoptotic checkpoint to suppress oncogenic transformation. <i>Nature Cell Biology</i> , 2001 , 3, 1-7	23.4	348
78	Telomerase reverse transcriptase gene is a direct target of c-Myc but is not functionally equivalent in cellular transformation. <i>Oncogene</i> , 1999 , 18, 1219-26	9.2	332
77	Telomere dysfunction and Atm deficiency compromises organ homeostasis and accelerates ageing. <i>Nature</i> , 2003 , 421, 643-8	50.4	330
76	Inhibition of experimental liver cirrhosis in mice by telomerase gene delivery. <i>Science</i> , 2000 , 287, 1253-8	33.3	329
75	Genetics and biology of pancreatic ductal adenocarcinoma. <i>Genes and Development</i> , 2016 , 30, 355-85	12.6	288
74	Effective combinatorial immunotherapy for castration-resistant prostate cancer. <i>Nature</i> , 2017 , 543, 728-734	33.4	278
73	Targeting YAP-Dependent MDSC Infiltration Impairs Tumor Progression. <i>Cancer Discovery</i> , 2016 , 6, 80-95	24.4	276
72	Telomere dysfunction impairs DNA repair and enhances sensitivity to ionizing radiation. <i>Nature Genetics</i> , 2000 , 26, 85-8	36.3	267
71	Stromal biology of pancreatic cancer. <i>Journal of Cellular Biochemistry</i> , 2007 , 101, 887-907	4.7	246
70	Genomic sequencing of colorectal adenocarcinomas identifies a recurrent VTI1A-TCF7L2 fusion. <i>Nature Genetics</i> , 2011 , 43, 964-968	36.3	242
69	Pten constrains centroacinar cell expansion and malignant transformation in the pancreas. <i>Cancer Cell</i> , 2005 , 8, 185-95	24.3	241
68	Genetics and biology of prostate cancer. <i>Genes and Development</i> , 2018 , 32, 1105-1140	12.6	199

67	KRAS-IRF2 Axis Drives Immune Suppression and Immune Therapy Resistance in Colorectal Cancer. <i>Cancer Cell</i> , 2019 , 35, 559-572.e7	24.3	187
66	Adiponectin regulates bone mass via opposite central and peripheral mechanisms through FoxO1. <i>Cell Metabolism</i> , 2013 , 17, 901-915	24.6	168
65	Telomerase reactivation following telomere dysfunction yields murine prostate tumors with bone metastases. <i>Cell</i> , 2012 , 148, 896-907	56.2	160
64	Epigenetic Activation of WNT5A Drives Glioblastoma Stem Cell Differentiation and Invasive Growth. <i>Cell</i> , 2016 , 167, 1281-1295.e18	56.2	155
63	Genomic deletion of malic enzyme 2 confers collateral lethality in pancreatic cancer. <i>Nature</i> , 2017 , 542, 119-123	50.4	145
62	Pancreatic LKB1 deletion leads to acinar polarity defects and cystic neoplasms. <i>Molecular and Cellular Biology</i> , 2008 , 28, 2414-25	4.8	126
61	Gene-target recognition among members of the myc superfamily and implications for oncogenesis. <i>Nature Genetics</i> , 2000 , 24, 113-9	36.3	122
60	Mice without telomerase: what can they teach us about human cancer?. <i>Nature Medicine</i> , 2000 , 6, 852-5	50.5	113
59	Compression of pancreatic tumor blood vessels by hyaluronan is caused by solid stress and not interstitial fluid pressure. <i>Cancer Cell</i> , 2014 , 26, 14-5	24.3	111
58	Synthetic essentiality of chromatin remodelling factor CHD1 in PTEN-deficient cancer. <i>Nature</i> , 2017 , 542, 484-488	50.4	109
57	Symbiotic Macrophage-Glioma Cell Interactions Reveal Synthetic Lethality in PTEN-Null Glioma. <i>Cancer Cell</i> , 2019 , 35, 868-884.e6	24.3	96
56	Prolyl hydroxylation by EglN2 destabilizes FOXO3a by blocking its interaction with the USP9x deubiquitinase. <i>Genes and Development</i> , 2014 , 28, 1429-44	12.6	85
55	Oncogenic drives invasion and maintains metastases in colorectal cancer. <i>Genes and Development</i> , 2017 , 31, 370-382	12.6	80
54	Syndecan 1 is a critical mediator of macropinocytosis in pancreatic cancer. <i>Nature</i> , 2019 , 568, 410-414	50.4	74
53	ILF2 Is a Regulator of RNA Splicing and DNA Damage Response in 1q21-Amplified Multiple Myeloma. <i>Cancer Cell</i> , 2017 , 32, 88-100.e6	24.3	72
52	Synthetic vulnerabilities of mesenchymal subpopulations in pancreatic cancer. <i>Nature</i> , 2017 , 542, 362-366	50.4	70
51	FoxO Function Is Essential for Maintenance of Autophagic Flux and Neuronal Morphogenesis in Adult Neurogenesis. <i>Neuron</i> , 2018 , 99, 1188-1203.e6	13.9	70
50	Telomere dysfunction drives aberrant hematopoietic differentiation and myelodysplastic syndrome. <i>Cancer Cell</i> , 2015 , 27, 644-57	24.3	68

49	Collateral Lethality: A new therapeutic strategy in oncology. <i>Trends in Cancer</i> , 2015 , 1, 161-173	12.5	68
48	Prolonged activation of the mitogen-activated protein kinase pathway promotes DNA synthesis in primary hepatocytes from p21Cip-1/WAF1-null mice, but not in hepatocytes from p16INK4a-null mice. <i>Biochemical Journal</i> , 1998 , 336 (Pt 3), 551-60	3.8	61
47	SF2312 is a natural phosphonate inhibitor of enolase. <i>Nature Chemical Biology</i> , 2016 , 12, 1053-1058	11.7	58
46	Telomeres: history, health, and hallmarks of aging. <i>Cell</i> , 2021 , 184, 306-322	56.2	56
45	Genetic events that limit the efficacy of MEK and RTK inhibitor therapies in a mouse model of KRAS-driven pancreatic cancer. <i>Cancer Research</i> , 2015 , 75, 1091-101	10.1	53
44	Oncogenic KRAS-Driven Metabolic Reprogramming in Pancreatic Cancer Cells Utilizes Cytokines from the Tumor Microenvironment. <i>Cancer Discovery</i> , 2020 , 10, 608-625	24.4	52
43	FoxO3 an important player in fibrogenesis and therapeutic target for idiopathic pulmonary fibrosis. <i>EMBO Molecular Medicine</i> , 2018 , 10, 276-293	12	51
42	STAT3 Inhibition Combined with CpG Immunostimulation Activates Antitumor Immunity to Eradicate Genetically Distinct Castration-Resistant Prostate Cancers. <i>Clinical Cancer Research</i> , 2018 , 24, 5948-5962	12.9	41
41	Programmable base editing of mutated TERT promoter inhibits brain tumour growth. <i>Nature Cell Biology</i> , 2020 , 22, 282-288	23.4	39
40	Tumor Microenvironment Remodeling Enables Bypass of Oncogenic KRAS Dependency in Pancreatic Cancer. <i>Cancer Discovery</i> , 2020 , 10, 1058-1077	24.4	39
39	Loss of FOXO1 Cooperates with TMPRSS2-ERG Overexpression to Promote Prostate Tumorigenesis and Cell Invasion. <i>Cancer Research</i> , 2017 , 77, 6524-6537	10.1	34
38	Circadian Regulator CLOCK Recruits Immune-Suppressive Microglia into the GBM Tumor Microenvironment. <i>Cancer Discovery</i> , 2020 , 10, 371-381	24.4	32
37	SUMOylation of ROR- β inhibits IL-17 expression and inflammation via HDAC2. <i>Nature Communications</i> , 2018 , 9, 4515	17.4	30
36	PAF promotes stemness and radioresistance of glioma stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9086-E9095	11.5	28
35	Unique challenges for glioblastoma immunotherapy-discussions across neuro-oncology and non-neuro-oncology experts in cancer immunology. Meeting Report from the 2019 SNO Immuno-Oncology Think Tank. <i>Neuro-Oncology</i> , 2021 , 23, 356-375	1	28
34	USP21 deubiquitinase promotes pancreas cancer cell stemness via Wnt pathway activation. <i>Genes and Development</i> , 2019 , 33, 1361-1366	12.6	26
33	Cancer Stemness Meets Immunity: From Mechanism to Therapy. <i>Cell Reports</i> , 2021 , 34, 108597	10.6	26
32	FoxO1 in dopaminergic neurons regulates energy homeostasis and targets tyrosine hydroxylase. <i>Nature Communications</i> , 2016 , 7, 12733	17.4	25

31	Opposing roles of TGF β and BMP signaling in prostate cancer development. <i>Genes and Development</i> , 2017 , 31, 2337-2342	12.6	25
30	Functional Genomics Reveals Synthetic Lethality between Phosphogluconate Dehydrogenase and Oxidative Phosphorylation. <i>Cell Reports</i> , 2019 , 26, 469-482.e5	10.6	25
29	Metabolic Codependencies in the Tumor Microenvironment. <i>Cancer Discovery</i> , 2021 , 11, 1067-1081	24.4	24
28	MAPRE1 as a plasma biomarker for early-stage colorectal cancer and adenomas. <i>Cancer Prevention Research</i> , 2015 , 8, 1112-9	3.2	23
27	Effective combinatorial immunotherapy for penile squamous cell carcinoma. <i>Nature Communications</i> , 2020 , 11, 2124	17.4	22
26	Chromatin Regulator CHD1 Remodels the Immunosuppressive Tumor Microenvironment in PTEN-Deficient Prostate Cancer. <i>Cancer Discovery</i> , 2020 , 10, 1374-1387	24.4	22
25	The age of cancer: telomeres, checkpoints, and longevity. <i>Journal of Clinical Investigation</i> , 2003 , 111, S9-14	15.9	22
24	Synthetic essentiality: Targeting tumor suppressor deficiencies in cancer. <i>BioEssays</i> , 2017 , 39, 1700076	4.1	17
23	Differential effects of the widely expressed dMax splice variant of Max on E-box vs initiator element-mediated regulation by c-Myc. <i>Oncogene</i> , 1999 , 18, 2489-98	9.2	17
22	Telomere dysfunction activates YAP1 to drive tissue inflammation. <i>Nature Communications</i> , 2020 , 11, 4766	17.4	15
21	An enolase inhibitor for the targeted treatment of ENO1-deleted cancers. <i>Nature Metabolism</i> , 2020 , 2, 1413-1426	14.6	14
20	Genetic and biological hallmarks of colorectal cancer. <i>Genes and Development</i> , 2021 , 35, 787-820	12.6	8
19	Cancer signaling: when phosphorylation meets methylation. <i>Cell Research</i> , 2014 , 24, 1282-3	24.7	7
18	An Screen Identifies PYGO2 as a Driver for Metastatic Prostate Cancer. <i>Cancer Research</i> , 2018 , 78, 3823-3833	3.2	6
17	Lipid-loaded tumor-associated macrophages sustain tumor growth and invasiveness in prostate cancer.. <i>Journal of Experimental Medicine</i> , 2022 , 219,	16.6	6
16	Telomere dysfunction instigates inflammation in inflammatory bowel disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
15	Targeted Overexpression of the Transcription Factor XBP-1 in B Cells Promotes Plasma Cell and Lymphoplasmacytic Neoplasms in Transgenic Mice.. <i>Blood</i> , 2005 , 106, 359-359	2.2	4
14	FoxO1 is required for physiological cardiac hypertrophy induced by exercise but not by constitutively active PI3K. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H1470-H1485	5.2	4

13	Single-cell RNA sequencing in pancreatic cancer. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021 , 18, 451-452	24.2	4
12	A tumor vessel-targeting fusion protein elicits a chemotherapeutic bystander effect in pancreatic ductal adenocarcinoma. <i>American Journal of Cancer Research</i> , 2017 , 7, 657-672	4.4	3
11	FoxO1 regulates leptin-induced mood behavior by targeting tyrosine hydroxylase. <i>Metabolism: Clinical and Experimental</i> , 2019 , 91, 43-52	12.7	3
10	USP21 deubiquitinase elevates macropinocytosis to enable oncogenic KRAS bypass in pancreatic cancer. <i>Genes and Development</i> , 2021 , 35, 1327-1332	12.6	3
9	Drivers of transcriptional variance in human intestinal epithelial organoids. <i>Physiological Genomics</i> , 2021 , 53, 486-508	3.6	2
8	AR-negative prostate cancer is vulnerable to loss of JMJD1C demethylase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
7	ATR-mediated CD47 and PD-L1 up-regulation restricts radiotherapy-induced immune priming and abscopal responses in colorectal cancer. <i>Science Immunology</i> , 2022 , 7,	28	2
6	Fungal mycobiome drives IL-33 secretion and type 2 immunity in pancreatic cancer.. <i>Cancer Cell</i> , 2022 ,	24.3	1
5	Telomerase Reverse Transcriptase Preserves Neuron Survival and Cognition in Alzheimer's Disease Models.. <i>Nature Aging</i> , 2021 , 1, 1162-1174		0
4	Upregulation of c-Jun Induces Cell Death Via Caspase-Triggered c-Abl Cleavage in Human Multiple Myeloma.. <i>Blood</i> , 2006 , 108, 3415-3415	2.2	
3	Telomere Dysfunction-Induced DNA Damage Drives Hematopoietic Stem Cell Fate. <i>Blood</i> , 2015 , 126, 1156-1156	2.2	
2	ILF2-YB1 Protein Interaction Modulates RNA Splicing to Induce Resistance to Chemotherapy in High Risk Multiple Myeloma. <i>Blood</i> , 2016 , 128, 359-359	2.2	
1	p16INK4a Is a Key Downstream Mediator of the Deleterious Effects of FoxO Deficiency on Maintenance of the Hematopoietic Stem Cell Compartment.. <i>Blood</i> , 2008 , 112, 1405-1405	2.2	