

## 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.

63

papers

11,344

citations

36

h-index

66

g-index

66

ext. papers

12,868

ext. citations

15.3

avg, IF

6.28

L-index

#	Paper	IF	Citations
63	The evolution of phosphatidylinositol 3-kinases as regulators of growth and metabolism. <i>Nature Reviews Genetics</i> , <b>2006</b> , 7, 606-19	30.1	2416
62	Principles of cancer therapy: oncogene and non-oncogene addiction. <i>Cell</i> , <b>2009</b> , 136, 823-37	56.2	1328
61	Targeting the PI3K-Akt pathway in human cancer: rationale and promise. <i>Cancer Cell</i> , <b>2003</b> , 4, 257-62	24.3	1101
60	Drugging the undruggable RAS: Mission possible?. <i>Nature Reviews Drug Discovery</i> , <b>2014</b> , 13, 828-51	64.1	1081
59	A genome-wide RNAi screen identifies multiple synthetic lethal interactions with the Ras oncogene. <i>Cell</i> , <b>2009</b> , 137, 835-48	56.2	784
58	Mixed lineage kinase domain-like is a key receptor interacting protein 3 downstream component of TNF-induced necrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5322-7	11.5	556
57	Breast cancer-associated PIK3CA mutations are oncogenic in mammary epithelial cells. <i>Cancer Research</i> , <b>2005</b> , 65, 10992-1000	10.1	415
56	NAFLD causes selective CD4(+) T lymphocyte loss and promotes hepatocarcinogenesis. <i>Nature</i> , <b>2016</b> , 531, 253-7	50.4	367
55	Cancer proliferation gene discovery through functional genomics. <i>Science</i> , <b>2008</b> , 319, 620-4	33.3	323
54	Non-oncogene addiction and the stress phenotype of cancer cells. <i>Cell</i> , <b>2007</b> , 130, 986-8	56.2	272
53	Acute effects of leptin require PI3K signaling in hypothalamic proopiomelanocortin neurons in mice. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 1796-805	15.9	259
52	Divergent regulation of hepatic glucose and lipid metabolism by phosphoinositide 3-kinase via Akt and PKClambda/zeta. <i>Cell Metabolism</i> , <b>2006</b> , 3, 343-53	24.6	230
51	Class IA phosphoinositide 3-kinase regulates heart size and physiological cardiac hypertrophy. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 9491-502	4.8	170
50	Recurrent hemizygous deletions in cancers may optimize proliferative potential. <i>Science</i> , <b>2012</b> , 337, 104-9	35.3	148
49	Phosphoinositide 3-kinase regulatory subunit p85alpha suppresses insulin action via positive regulation of PTEN. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 12093-7	11.5	131
48	The p85 regulatory subunit of phosphoinositide 3-kinase down-regulates IRS-1 signaling via the formation of a sequestration complex. <i>Journal of Cell Biology</i> , <b>2005</b> , 170, 455-64	7.3	126
47	The phosphoinositide 3-kinase regulatory subunit p85alpha can exert tumor suppressor properties through negative regulation of growth factor signaling. <i>Cancer Research</i> , <b>2010</b> , 70, 5305-15	10.1	105

46	Tau Positron-Emission Tomography in Former National Football League Players. <i>New England Journal of Medicine</i> , <b>2019</b> , 380, 1716-1725	59.2	95
45	Class 1A PI3K regulates vessel integrity during development and tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 9739-44	11.5	93
44	Class IA phosphatidylinositol 3-kinase in pancreatic $\beta$ cells controls insulin secretion by multiple mechanisms. <i>Cell Metabolism</i> , <b>2010</b> , 12, 619-32	24.6	84
43	The negative regulation of phosphoinositide 3-kinase signaling by p85 and its implication in cancer. <i>Cell Cycle</i> , <b>2005</b> , 4, 1309-12	4.7	83
42	Loss of class IA PI3K signaling in muscle leads to impaired muscle growth, insulin response, and hyperlipidemia. <i>Cell Metabolism</i> , <b>2006</b> , 3, 355-66	24.6	78
41	Phosphatidyl inositol 3-kinase signaling in hypothalamic proopiomelanocortin neurons contributes to the regulation of glucose homeostasis. <i>Endocrinology</i> , <b>2009</b> , 150, 4874-82	4.8	74
40	Development of siRNA payloads to target KRAS-mutant cancer. <i>Cancer Discovery</i> , <b>2014</b> , 4, 1182-1197	24.4	68
39	Differential Effector Engagement by Oncogenic KRAS. <i>Cell Reports</i> , <b>2018</b> , 22, 1889-1902	10.6	66
38	The p85 $\alpha$ regulatory subunit of phosphoinositide 3-kinase potentiates c-Jun N-terminal kinase-mediated insulin resistance. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 2830-40	4.8	66
37	MAP kinase and autophagy pathways cooperate to maintain RAS mutant cancer cell survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 4508-4517	11.5	63
36	Sjögren's syndrome-like disease in mice with T cells lacking class 1A phosphoinositide-3-kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 16882-7	11.5	63
35	LAMC2 enhances the metastatic potential of lung adenocarcinoma. <i>Cell Death and Differentiation</i> , <b>2015</b> , 22, 1341-52	12.7	59
34	T-cell function is partially maintained in the absence of class IA phosphoinositide 3-kinase signaling. <i>Blood</i> , <b>2007</b> , 109, 2894-902	2.2	50
33	Oncogenesis driven by the Ras/Raf pathway requires the SUMO E2 ligase Ubc9. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E1724-33	11.5	48
32	High mesothelin expression in advanced lung adenocarcinoma is associated with KRAS mutations and a poor prognosis. <i>Oncotarget</i> , <b>2015</b> , 6, 11694-703	3.3	47
31	Carnitine palmitoyltransferase gene upregulation by linoleic acid induces CD4 T cell apoptosis promoting HCC development. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 620	9.8	45
30	Systematic exploration of different E3 ubiquitin ligases: an approach towards potent and selective CDK6 degraders. <i>Chemical Science</i> , <b>2020</b> , 11, 3474-3486	9.4	44
29	CRISPR/Cas9-mediated gene knockout is insensitive to target copy number but is dependent on guide RNA potency and Cas9/sgRNA threshold expression level. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 12039-12053	20.1	41

28	Modulation of epithelial neoplasia and lymphoid hyperplasia in PTEN+/- mice by the p85 regulatory subunits of phosphoinositide 3-kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 10238-43	11.5	39
27	Global Inhibition with Specific Activation: How p53 and MYC Redistribute the Transcriptome in the DNA Double-Strand Break Response. <i>Molecular Cell</i> , <b>2017</b> , 67, 1013-1025.e9	17.6	36
26	Cancer's sweet tooth for serine. <i>Breast Cancer Research</i> , <b>2011</b> , 13, 317	8.3	25
25	A primer on using pooled shRNA libraries for functional genomic screens. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2012</b> , 44, 103-12	2.8	22
24	Enhancer of rudimentary homolog regulates DNA damage response in hepatocellular carcinoma. <i>Scientific Reports</i> , <b>2015</b> , 5, 9357	4.9	19
23	Wortmannin-C20 conjugates generate wortmannin. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 740-7	8.3	19
22	Genetic interrogation of replicative senescence uncovers a dual role for USP28 in coordinating the p53 and GATA4 branches of the senescence program. <i>Genes and Development</i> , <b>2017</b> , 31, 1933-1938	12.6	18
21	Oncogenic RAS isoforms show a hierarchical requirement for the guanine nucleotide exchange factor SOS2 to mediate cell transformation. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	18
20	Selective targeting of KRAS-mutant cells by miR-126 through repression of multiple genes essential for the survival of KRAS-mutant cells. <i>Oncotarget</i> , <b>2014</b> , 5, 7635-50	3.3	17
19	Synthesis and activity of C11-modified wortmannin probes for PI3 kinase. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 669-75	6.3	16
18	A high-throughput assay for small molecule destabilizers of the KRAS oncoprotein. <i>PLoS ONE</i> , <b>2014</b> , 9, e103836	3.7	16
17	A synthetic-lethality RNAi screen reveals an ERK-mTOR co-targeting pro-apoptotic switch in PIK3CA+ oral cancers. <i>Oncotarget</i> , <b>2016</b> , 7, 10696-709	3.3	14
16	The targetable kinase PIM1 drives ALK inhibitor resistance in high-risk neuroblastoma independent of MYCN status. <i>Nature Communications</i> , <b>2019</b> , 10, 5428	17.4	12
15	Genome-wide prediction of synthetic rescue mediators of resistance to targeted and immunotherapy. <i>Molecular Systems Biology</i> , <b>2019</b> , 15, e8323	12.2	11
14	Activation of RAF1 (c-RAF) by the Marine Alkaloid Lasonolide A Induces Rapid Premature Chromosome Condensation. <i>Marine Drugs</i> , <b>2015</b> , 13, 3625-39	6	11
13	Genome-Wide RNAi Screen Identifies PMPCB as a Therapeutic Vulnerability in EpCAM Hepatocellular Carcinoma. <i>Cancer Research</i> , <b>2019</b> , 79, 2379-2391	10.1	10
12	Male-biased effects of gonadotropin-releasing hormone neuron-specific deletion of the phosphoinositide 3-kinase regulatory subunit p85alpha on the reproductive axis. <i>Endocrinology</i> , <b>2009</b> , 150, 4203-12	4.8	10
11	KRAS mutation in pancreatic cancer. <i>Seminars in Oncology</i> , <b>2021</b> , 48, 10-18	5.5	10

10	Multiplexed CRISPR/Cas9 gene knockout with simple crRNA:tracrRNA co-transfection. <i>Cell and Bioscience</i> , <b>2019</b> , 9, 41	9.8	8
9	A systematic genome-wide mapping of oncogenic mutation selection during CRISPR-Cas9 genome editing. <i>Nature Communications</i> , <b>2021</b> , 12, 6512	17.4	8
8	One-step immortalization of primary human airway epithelial cells capable of oncogenic transformation. <i>Cell and Bioscience</i> , <b>2016</b> , 6, 57	9.8	8
7	Synthetic lethal genetic screens in Ras mutant cancers. <i>The Enzymes</i> , <b>2013</b> , 34 Pt. B, 201-19	2.3	5
6	Flexible CRISPR library construction using parallel oligonucleotide retrieval. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, e101	20.1	4
5	SUMO wrestling with Ras. <i>Small GTPases</i> , <b>2016</b> , 7, 39-46	2.7	4
4	Metabolic supervision by PPIP5K, an inositol pyrophosphate kinase/phosphatase, controls proliferation of the HCT116 tumor cell line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
3	Using pooled miR30-shRNA library for cancer lethal and synthetic lethal screens. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1176, 45-58	1.4	1
2	The Achilles Heel of Malignant Rhabdoid Tumors. <i>Cancer Research</i> , <b>2019</b> , 79, 2808-2809	10.1	
1	Phosphoinositide biology - messages from lipids. <i>Nature Cell Biology</i> , <b>2000</b> , 2, E190	23.4	