

## List of Publications by Year in descending order

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80  
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13,953  
citations

50170

46  
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64668

79  
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83  
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83  
docs citations

83  
times ranked

15105  
citing authors

#	ARTICLE	IF	CITATIONS
1	The emerging mechanisms of isoform-specific PI3K signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 329-341.	16.1	1,491
2	Synthesis and Function of 3-Phosphorylated Inositol Lipids. <i>Annual Review of Biochemistry</i> , 2001, 70, 535-602.	5.0	1,457
3	Phosphoinositide 3-kinases: A conserved family of signal transducers. <i>Trends in Biochemical Sciences</i> , 1997, 22, 267-272.	3.7	883
4	Impaired B and T Cell Antigen Receptor Signaling in p110delta PI 3-Kinase Mutant Mice. <i>Science</i> , 2002, 297, 1031-4.	6.0	836
5	PI3K signalling: the path to discovery and understanding. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 195-203.	16.1	799
6	PI3K in lymphocyte development, differentiation and activation. <i>Nature Reviews Immunology</i> , 2003, 3, 317-330.	10.6	690
7	Angiogenesis selectively requires the p110 $\beta$ isoform of PI3K to control endothelial cell migration. <i>Nature</i> , 2008, 453, 662-666.	13.7	459
8	Inactivation of PI(3)K p110 $\beta$ breaks regulatory T-cell-mediated immune tolerance to cancer. <i>Nature</i> , 2014, 510, 407-411.	13.7	450
9	Critical role for the p110 $\beta$ phosphoinositide-3-OH kinase in growth and metabolic regulation. <i>Nature</i> , 2006, 441, 366-370.	13.7	439
10	Signalling by PI3K isoforms: insights from gene-targeted mice. <i>Trends in Biochemical Sciences</i> , 2005, 30, 194-204.	3.7	403
11	Clinical spectrum and features of activated phosphoinositide 3-kinase $\gamma$ syndrome: A large patient cohort study. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 597-606.e4.	1.5	377
12	Essential role for the p110 $\beta$ phosphoinositide 3-kinase in the allergic response. <i>Nature</i> , 2004, 431, 1007-1011.	13.7	369
13	PI3K isoforms in cell signalling and vesicle trafficking. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 515-534.	16.1	316
14	Cutting Edge: The Phosphoinositide 3-Kinase p110 $\beta$ Is Critical for the Function of CD4+CD25+Foxp3+ Regulatory T Cells. <i>Journal of Immunology</i> , 2006, 177, 6598-6602.	0.4	280
15	Sequential activation of class IB and class IA PI3K is important for the primed respiratory burst of human but not murine neutrophils. <i>Blood</i> , 2005, 106, 1432-1440.	0.6	274
16	Determinants and clinical implications of chromosomal instability in cancer. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 139-150.	12.5	272
17	Oncogenic transformation induced by the p110 $\beta$ , $\delta$ , and $\gamma$ isoforms of class I phosphoinositide 3-kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1289-1294.	3.3	269
18	Essential role for the p110 $\beta$ isoform in phosphoinositide 3-kinase activation and cell proliferation in acute myeloid leukemia. <i>Blood</i> , 2005, 106, 1063-1066.	0.6	229

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19	PI3K inhibitors are finally coming of age. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 741-769.	21.5	222
20	Targeting PI3K in Cancer: Impact on Tumor Cells, Their Protective Stroma, Angiogenesis, and Immunotherapy. <i>Cancer Discovery</i> , 2016, 6, 1090-1105.	7.7	217
21	The p110 $\delta$ Isoform of Phosphoinositide 3-Kinase Controls Clonal Expansion and Differentiation of Th Cells. <i>Journal of Immunology</i> , 2006, 177, 5122-5128.	0.4	192
22	Cancer-Associated PIK3CA Mutations in Overgrowth Disorders. <i>Trends in Molecular Medicine</i> , 2018, 24, 856-870.	3.5	181
23	The PI3K Isoforms p110 $\alpha$ and p110 $\delta$ Are Essential for Pre-B Cell Receptor Signaling and B Cell Development. <i>Science Signaling</i> , 2010, 3, ra60.	1.6	179
24	Activity of any class IA PI3K isoform can sustain cell proliferation and survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11381-11386.	3.3	147
25	PI3K $\beta$ Plays a Critical Role in Neutrophil Activation by Immune Complexes. <i>Science Signaling</i> , 2011, 4, ra23.	1.6	130
26	Phosphoinositide 3-Kinase p110 $\delta$ Regulates Natural Antibody Production, Marginal Zone and B-1 B Cell Function, and Autoantibody Responses. <i>Journal of Immunology</i> , 2009, 183, 5673-5684.	0.4	122
27	Regulation of breast cancer cell chemotaxis by the phosphoinositide 3-kinase p110 $\delta$ . <i>Cancer Research</i> , 2003, 63, 1667-75.	0.4	119
28	Inactivation of PI3K $\beta$ and PI3K $\gamma$ distorts T-cell development and causes multiple organ inflammation. <i>Blood</i> , 2007, 110, 2940-2947.	0.6	113
29	Molecules in medicine mini-review: isoforms of PI3K in biology and disease. <i>Journal of Molecular Medicine</i> , 2016, 94, 5-11.	1.7	111
30	Control of Axonal Growth and Regeneration of Sensory Neurons by the p110 $\delta$ PI 3-Kinase. <i>PLoS ONE</i> , 2007, 2, e869.	1.1	106
31	Distinct roles of class IA PI3K isoforms in primary and immortalised macrophages. <i>Journal of Cell Science</i> , 2008, 121, 4124-4133.	1.2	87
32	Long-term p110 $\alpha$ PI3K inactivation exerts a beneficial effect on metabolism. <i>EMBO Molecular Medicine</i> , 2013, 5, 563-571.	3.3	84
33	Class I Phosphoinositide 3-Kinase p110 $\delta$ Is Required for Apoptotic Cell and Fc $\gamma$ 3 Receptor-mediated Phagocytosis by Macrophages. <i>Journal of Biological Chemistry</i> , 2003, 278, 38437-38442.	1.6	83
34	The p110 $\delta$ Isoform of Phosphatidylinositol 3-Kinase Controls Susceptibility to <i>Leishmania major</i> by Regulating Expansion and Tissue Homing of Regulatory T Cells. <i>Journal of Immunology</i> , 2009, 183, 1921-1933.	0.4	83
35	Altered Macrophage Function Contributes to Colitis in Mice Defective in the Phosphoinositide-3 Kinase Subunit p110 $\delta$ . <i>Gastroenterology</i> , 2010, 139, 1642-1653.e6.	0.6	78
36	PI3K $\gamma$ drives the pathogenesis of experimental autoimmune encephalomyelitis by inhibiting effector T cell apoptosis and promoting Th17 differentiation. <i>Journal of Autoimmunity</i> , 2011, 36, 278-287.	3.0	72

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37	Inactivation of the Class II PI3K-C2 <sup>β</sup> Potentiates Insulin Signaling and Sensitivity. <i>Cell Reports</i> , 2015, 13, 1881-1894.	2.9	66
38	Phosphoinositide 3-kinase $\beta$ regulates membrane fission of Golgi carriers for selective cytokine secretion. <i>Journal of Cell Biology</i> , 2010, 190, 1053-1065.	2.3	60
39	Vps34 PI 3-kinase inactivation enhances insulin sensitivity through reprogramming of mitochondrial metabolism. <i>Nature Communications</i> , 2017, 8, 1804.	5.8	59
40	Inhibition of the p110 $\alpha$ isoform of PI 3-kinase stimulates nonfunctional tumor angiogenesis. <i>Journal of Experimental Medicine</i> , 2013, 210, 1937-1945.	4.2	56
41	The role of PI3K $\beta$ isoform in cardioprotection. <i>Basic Research in Cardiology</i> , 2017, 112, 66.	2.5	56
42	PI3K $\beta$ inhibition reduces TNF secretion and neuroinflammation in a mouse cerebral stroke model. <i>Nature Communications</i> , 2014, 5, 3450.	5.8	54
43	Oncogenic PIK3CA induces centrosome amplification and tolerance to genome doubling. <i>Nature Communications</i> , 2017, 8, 1773.	5.8	54
44	Inhibition of Class I Phosphoinositide 3-Kinase Activity Impairs Proliferation and Triggers Apoptosis in Acute Promyelocytic Leukemia without Affecting ATRA-Induced Differentiation. <i>Cancer Research</i> , 2009, 69, 1027-1036.	0.4	52
45	Essential role of class II PI3K-C2 <sup>β</sup> in platelet membrane morphology. <i>Blood</i> , 2015, 126, 1128-1137.	0.6	52
46	PI3K $\beta$ -regulated gelsolin activity is a critical determinant of cardiac cytoskeletal remodeling and heart disease. <i>Nature Communications</i> , 2018, 9, 5390.	5.8	52
47	Isoform-selective induction of human p110 $\beta$ PI3K expression by TNF $\alpha$ : identification of a new and inducible <i>PIK3CD</i> promoter. <i>Biochemical Journal</i> , 2012, 443, 857-867.	1.7	50
48	Cracking the context-specific PI3K signaling code. <i>Science Signaling</i> , 2020, 13, .	1.6	49
49	Oncogenic <i>PIK3CA</i> promotes cellular stemness in an allele dose-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8380-8389.	3.3	46
50	High levels of p110 $\beta$ PI3K expression in solid tumor cells suppress PTEN activity, generating cellular sensitivity to p110 $\beta$ inhibitors through PTEN activation. <i>FASEB Journal</i> , 2012, 26, 2498-2508.	0.2	43
51	mTORC1 activity is supported by spatial association with focal adhesions. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	41
52	Intermittent PI3K $\beta$ inhibition sustains anti-tumour immunity and curbs irAEs. <i>Nature</i> , 2022, 605, 741-746.	18.7	36
53	Novel Role for p110 $\beta$ PI 3-Kinase in Male Fertility through Regulation of Androgen Receptor Activity in Sertoli Cells. <i>PLoS Genetics</i> , 2015, 11, e1005304.	1.5	35
54	A dual role for the class III PI3K, Vps34, in platelet production and thrombus growth. <i>Blood</i> , 2017, 130, 2032-2042.	0.6	35

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55	Somatostatin receptor 2 expression in nasopharyngeal cancer is induced by Epstein Barr virus infection: impact on prognosis, imaging and therapy. <i>Nature Communications</i> , 2021, 12, 117.	5.8	34
56	Phosphoinositide lipids in primary cilia biology. <i>Biochemical Journal</i> , 2020, 477, 3541-3565.	1.7	32
57	PI3K Regulatory Subunits Lose Control in Cancer. <i>Cancer Cell</i> , 2009, 16, 449-450.	7.7	29
58	Transient Inhibition of PI3K $\beta$ Enhances the Therapeutic Effect of Intravenous Delivery of Oncolytic Vaccinia Virus. <i>Molecular Therapy</i> , 2020, 28, 1263-1275.	3.7	29
59	Inactivation of class II PI3K-C2 $\beta$ induces leptin resistance, age-dependent insulin resistance and obesity in male mice. <i>Diabetologia</i> , 2016, 59, 1503-1512.	2.9	23
60	Enhanced antitumor immunity through sequential targeting of PI3K $\beta$ and LAG3. , 2020, 8, e000693.		22
61	PI3K $\beta$ as a Novel Therapeutic Target in Pathological Angiogenesis. <i>Diabetes</i> , 2020, 69, 736-748.	0.3	22
62	p110 $\beta$ PI3-Kinase Inhibition Perturbs APP and TNF $\alpha$ Trafficking, Reduces Plaque Burden, Dampens Neuroinflammation, and Prevents Cognitive Decline in an Alzheimer's Disease Mouse Model. <i>Journal of Neuroscience</i> , 2019, 39, 7976-7991.	1.7	20
63	Phosphoinositide 3-kinase $\beta$ mediates microvascular endothelial repair of thrombotic microangiopathy. <i>Blood</i> , 2014, 124, 2142-2149.	0.6	19
64	Loss of Phosphatidylinositol 3-Kinase Activity in Regulatory T Cells Leads to Neuronal Inflammation. <i>Journal of Immunology</i> , 2020, 205, 78-89.	0.4	18
65	Endothelial and cardiomyocyte PI3K $\beta$ divergently regulate cardiac remodelling in response to ischaemic injury. <i>Cardiovascular Research</i> , 2019, 115, 1343-1356.	1.8	17
66	PI3K $\beta$ is essential for the recovery from Cre/tamoxifen cardiotoxicity and in myocardial insulin signalling but is not required for normal myocardial contractility in the adult heart. <i>Cardiovascular Research</i> , 2015, 105, 292-303.	1.8	16
67	Phosphoproteomic comparison of <i>Pik3ca</i> and <i>Pten</i> signalling identifies the nucleotidase <i>NT5C</i> as a novel AKT substrate. <i>Scientific Reports</i> , 2017, 7, 39985.	1.6	16
68	Inhibition of PI3Kinase- $\beta$ is pro-arrhythmic and associated with enhanced late Na <sup>+</sup> current, contractility, and Ca <sup>2+</sup> release in murine hearts. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 132, 98-109.	0.9	15
69	PI3K $\beta$ Pathway Inhibition With Doxorubicin Treatment Results in Distinct Biventricular Atrophy and Remodeling With Right Ventricular Dysfunction. <i>Journal of the American Heart Association</i> , 2019, 8, e010961.	1.6	15
70	Positive correlation between transcriptomic stemness and PI3K/AKT/mTOR signaling scores in breast cancer, and a counterintuitive relationship with PIK3CA genotype. <i>PLoS Genetics</i> , 2021, 17, e1009876.	1.5	14
71	PI3K $\beta$ inactivation stabilizes VE-cadherin junctions and preserves vascular integrity. <i>EMBO Reports</i> , 2021, 22, e51299.	2.0	12
72	Lessons for cancer drug treatment from tackling a non-cancerous overgrowth syndrome. <i>Nature</i> , 2018, 558, 523-525.	13.7	11

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73	PI3K $\hat{\pm}$ in cardioprotection: Cytoskeleton, late Na <sup>+</sup> current, and mechanism of arrhythmias. Channels, 2019, 13, 520-532.	1.5	11
74	Inactivation of endothelial cell phosphoinositide 3-kinase $\hat{I}^2$ inhibits tumor angiogenesis and tumor growth. Oncogene, 2020, 39, 6480-6492.	2.6	11
75	Precision Targeting of Mutant PI3K $\hat{\pm}$ in Cancer by Selective Degradation. Cancer Discovery, 2022, 12, 20-22.	7.7	11
76	Local synthesis of the phosphatidylinositol-3,4-bisphosphate lipid drives focal adhesion turnover. Developmental Cell, 2022, 57, 1694-1711.e7.	3.1	11
77	SSTR2 in Nasopharyngeal Carcinoma: Relationship with Latent EBV Infection and Potential as a Therapeutic Target. Cancers, 2021, 13, 4944.	1.7	9
78	Perspective: Potential Impact and Therapeutic Implications of Oncogenic PI3K Activation on Chromosomal Instability. Biomolecules, 2019, 9, 331.	1.8	7
79	NODAL/TGF $\hat{I}^2$ signalling mediates the self-sustained stemness induced by <i>PIK3CAH1047R</i> homozygosity in pluripotent stem cells. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	5
80	Class III PI3K Vps34 Controls Thyroid Hormone Production by Regulating Thyroglobulin Iodination, Lysosomal Proteolysis, and Tissue Homeostasis. Thyroid, 2020, 30, 133-146.	2.4	3