

# Piotr Sicinski

## List of Publications by Year in descending order

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85  
papers

14,624  
citations

44069

48  
h-index

54911

84  
g-index

86  
all docs

86  
docs citations

86  
times ranked

18313  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell cycle proteins as promising targets in cancer therapy. <i>Nature Reviews Cancer</i> , 2017, 17, 93-115.	28.4	1,418
2	Cyclin D1 provides a link between development and oncogenesis in the retina and breast. <i>Cell</i> , 1995, 82, 621-630.	28.9	1,032
3	Specific protection against breast cancers by cyclin D1 ablation. <i>Nature</i> , 2001, 411, 1017-1021.	27.8	878
4	Cyclin D2 is an FSH-responsive gene involved in gonadal cell proliferation and oncogenesis. <i>Nature</i> , 1996, 384, 470-474.	27.8	668
5	Cyclin D $\epsilon$ CDK4 kinase destabilizes PD-L1 via cullin 3 $\epsilon$ SPOP to control cancer immune surveillance. <i>Nature</i> , 2018, 553, 91-95.	27.8	660
6	Cyclin E Ablation in the Mouse. <i>Cell</i> , 2003, 114, 431-443.	28.9	649
7	Mouse Development and Cell Proliferation in the Absence of D-Cyclins. <i>Cell</i> , 2004, 118, 477-491.	28.9	590
8	A Systematic Screen for CDK4/6 Substrates Links FOXM1 Phosphorylation to Senescence Suppression in Cancer Cells. <i>Cancer Cell</i> , 2011, 20, 620-634.	16.8	449
9	Cyclins and cdk4 in development and cancer: a perspective. <i>Oncogene</i> , 2005, 24, 2909-2915.	5.9	393
10	Non-canonical functions of cell cycle cyclins and cyclin-dependent kinases. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 280-292.	37.0	389
11	Requirement for CDK4 kinase function in breast cancer. <i>Cancer Cell</i> , 2006, 9, 23-32.	16.8	369
12	Overcoming Therapeutic Resistance in HER2-Positive Breast Cancers with CDK4/6 Inhibitors. <i>Cancer Cell</i> , 2016, 29, 255-269.	16.8	356
13	Cyclin D activates the Rb tumor suppressor by mono-phosphorylation. <i>ELife</i> , 2014, 3, .	6.0	332
14	Rescue of Cyclin D1 Deficiency by Knockin Cyclin E. <i>Cell</i> , 1999, 97, 767-777.	28.9	331
15	Requirement for cyclin D3 in lymphocyte development and T cell leukemias. <i>Cancer Cell</i> , 2003, 4, 451-461.	16.8	307
16	Cyclin D1-dependent kinase activity in murine development and mammary tumorigenesis. <i>Cancer Cell</i> , 2006, 9, 13-22.	16.8	293
17	A function for cyclin D1 in DNA repair uncovered by protein interactome analyses in human cancers. <i>Nature</i> , 2011, 474, 230-234.	27.8	287
18	Cell-cycle-regulated activation of Akt kinase by phosphorylation at its carboxyl terminus. <i>Nature</i> , 2014, 508, 541-545.	27.8	285

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19	The Requirement for Cyclin D Function in Tumor Maintenance. <i>Cancer Cell</i> , 2012, 22, 438-451.	16.8	284
20	The metabolic function of cyclin D3â€“CDK6 kinase in cancer cell survival. <i>Nature</i> , 2017, 546, 426-430.	27.8	276
21	Transcriptional role of cyclin D1 in development revealed by a geneticâ€“proteomic screen. <i>Nature</i> , 2010, 463, 374-378.	27.8	247
22	Development of mice expressing a single D-type cyclin. <i>Genes and Development</i> , 2002, 16, 3277-3289.	5.9	233
23	The cell cycle in stem cell proliferation, pluripotency and differentiation. <i>Nature Cell Biology</i> , 2019, 21, 1060-1067.	10.3	233
24	Targeting cell-cycle machinery in cancer. <i>Cancer Cell</i> , 2021, 39, 759-778.	16.8	207
25	Cyclin D1â€“Cdk4 controls glucose metabolism independently of cell cycle progression. <i>Nature</i> , 2014, 510, 547-551.	27.8	198
26	Cyclin A Is Redundant in Fibroblasts but Essential in Hematopoietic and Embryonic Stem Cells. <i>Cell</i> , 2009, 138, 352-365.	28.9	192
27	Acetylation-dependent regulation of PD-L1 nuclear translocation dictates the efficacy of anti-PD-1 immunotherapy. <i>Nature Cell Biology</i> , 2020, 22, 1064-1075.	10.3	182
28	KDM5 Histone Demethylase Activity Links Cellular Transcriptomic Heterogeneity to Therapeutic Resistance. <i>Cancer Cell</i> , 2018, 34, 939-953.e9.	16.8	170
29	Kinase-Independent Function of Cyclin E. <i>Molecular Cell</i> , 2007, 25, 127-139.	9.7	161
30	CDK4 and CDK6 kinases: From basic science to cancer therapy. <i>Science</i> , 2022, 375, eabc1495.	12.6	142
31	Cyclin D2 is essential for BCR-mediated proliferation and CD5 B cell development. <i>International Immunology</i> , 2000, 12, 631-638.	4.0	124
32	Cyclin C is a haploinsufficient tumour suppressor. <i>Nature Cell Biology</i> , 2014, 16, 1080-1091.	10.3	124
33	A unique function for cyclin D3 in early B cell development. <i>Nature Immunology</i> , 2006, 7, 489-497.	14.5	114
34	Cyclin E Constrains Cdk5 Activity to Regulate Synaptic Plasticity and Memory Formation. <i>Developmental Cell</i> , 2011, 21, 655-668.	7.0	110
35	G1 cyclins link proliferation, pluripotency and differentiation of embryonic stem cells. <i>Nature Cell Biology</i> , 2017, 19, 177-188.	10.3	107
36	Cyclin D3 Compensates for Loss of Cyclin D2 in Mouse B-lymphocytes Activated via the Antigen Receptor and CD40. <i>Journal of Biological Chemistry</i> , 2000, 275, 3479-3484.	3.4	105

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37	MED12 Regulates HSC-Specific Enhancers Independently of Mediator Kinase Activity to Control Hematopoiesis. <i>Cell Stem Cell</i> , 2016, 19, 784-799.	11.1	88
38	Inhibition of Rb Phosphorylation Leads to mTORC2-Mediated Activation of Akt. <i>Molecular Cell</i> , 2016, 62, 929-942.	9.7	87
39	Cell-Cycle-Targeting MicroRNAs as Therapeutic Tools against Refractory Cancers. <i>Cancer Cell</i> , 2017, 31, 576-590.e8.	16.8	84
40	Cell cycle-targeting microRNAs promote differentiation by enforcing cell-cycle exit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10660-10665.	7.1	81
41	Cyclin D2â€œCyclin-Dependent Kinase 4/6 Is Required for Efficient Proliferation and Tumorigenesis following Apc Loss. <i>Cancer Research</i> , 2010, 70, 8149-8158.	0.9	79
42	Cdk1 Controls Global Epigenetic Landscape in Embryonic Stem Cells. <i>Molecular Cell</i> , 2020, 78, 459-476.e13.	9.7	76
43	Cyclin D1 fine-tunes the neurogenic output of embryonic retinal progenitor cells. <i>Neural Development</i> , 2009, 4, 15.	2.4	60
44	Genetic Replacement of Cyclin D1 Function in Mouse Development by Cyclin D2. <i>Molecular and Cellular Biology</i> , 2005, 25, 1081-1088.	2.3	57
45	Aberrant Cell Cycle Progression and Endoreplication in Regenerating Livers of Mice That Lack a Single E-Type Cyclin. <i>Gastroenterology</i> , 2009, 137, 691-703.e6.	1.3	56
46	A specific role for cyclin D1 in mammary gland development. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 1997, 2, 335-342.	2.7	55
47	Cyclin E in normal physiology and disease states. <i>Trends in Cell Biology</i> , 2021, 31, 732-746.	7.9	54
48	PP2A-Mediated Regulation of Ras Signaling in G2 Is Essential for Stable Quiescence and Normal G1 Length. <i>Molecular Cell</i> , 2014, 54, 932-945.	9.7	52
49	Cyclin D1 Represses Gluconeogenesis via Inhibition of the Transcriptional Coactivator PGC1±. <i>Diabetes</i> , 2014, 63, 3266-3278.	0.6	51
50	Cyclin E1 controls proliferation of hepatic stellate cells and is essential for liver fibrogenesis in mice. <i>Hepatology</i> , 2012, 56, 1140-1149.	7.3	50
51	Duality of p27<sup>Kip1</sup> function in tumorigenesis. <i>Genes and Development</i> , 2007, 21, 1703-1706.	5.9	46
52	Small-molecule studies identify CDK8 as a regulator of IL-10 in myeloid cells. <i>Nature Chemical Biology</i> , 2017, 13, 1102-1108.	8.0	46
53	Increased lysosomal biomass is responsible for the resistance of triple-negative breast cancers to CDK4/6 inhibition. <i>Science Advances</i> , 2020, 6, eabb2210.	10.3	46
54	Acquired resistance to combined BET and CDK4/6 inhibition in triple-negative breast cancer. <i>Nature Communications</i> , 2020, 11, 2350.	12.8	45

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55	Mammalian E-type Cyclins Control Chromosome Pairing, Telomere Stability and CDK2 Localization in Male Meiosis. <i>PLoS Genetics</i> , 2014, 10, e1004165.	3.5	42
56	Concurrent deletion of cyclin E1 and cyclin-dependent kinase 2 in hepatocytes inhibits DNA replication and liver regeneration in mice. <i>Hepatology</i> , 2014, 59, 651-660.	7.3	41
57	Myc stimulates cell cycle progression through the activation of Cdk1 and phosphorylation of p27. <i>Scientific Reports</i> , 2019, 9, 18693.	3.3	40
58	CDC7-independent G1/S transition revealed by targeted protein degradation. <i>Nature</i> , 2022, 605, 357-365.	27.8	38
59	Perturbed myoepithelial cell differentiation in BRCA mutation carriers and in ductal carcinoma in situ. <i>Nature Communications</i> , 2019, 10, 4182.	12.8	37
60	A negative reciprocal regulatory axis between cyclin D1 and HNF4 $\beta$ modulates cell cycle progression and metabolism in the liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17177-17186.	7.1	34
61	A Sequentially Priming Phosphorylation Cascade Activates the Gliomagenic Transcription Factor Olig2. <i>Cell Reports</i> , 2017, 18, 3167-3177.	6.4	32
62	Kinase-independent function of E-type cyclins in liver cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1015-1020.	7.1	32
63	A kinase of many talents: non-neuronal functions of CDK5 in development and disease. <i>Open Biology</i> , 2020, 10, 190287.	3.6	32
64	D-Cyclins Repress Apoptosis in Hematopoietic Cells by Controlling Death Receptor Fas and Its Ligand FasL. <i>Developmental Cell</i> , 2014, 30, 255-267.	7.0	27
65	Inhibition of CK1 $\mu$ potentiates the therapeutic efficacy of CDK4/6 inhibitor in breast cancer. <i>Nature Communications</i> , 2021, 12, 5386.	12.8	22
66	Targeting the cyclin-dependent kinase 5 in metastatic melanoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8001-8012.	7.1	21
67	Proteomic Landscape of Tissue-Specific Cyclin E Functions in Vivo. <i>PLoS Genetics</i> , 2016, 12, e1006429.	3.5	20
68	Cerebellar cortical lamination and foliation require cyclin A2. <i>Developmental Biology</i> , 2014, 385, 328-339.	2.0	19
69	Loss of Cyclin E1 attenuates hepatitis and hepatocarcinogenesis in a mouse model of chronic liver injury. <i>Oncogene</i> , 2018, 37, 3329-3339.	5.9	17
70	A mitotic CDK5-PP4 phospho-signaling cascade primes 53BP1 for DNA repair in G1. <i>Nature Communications</i> , 2019, 10, 4252.	12.8	17
71	E-type cyclins modulate telomere integrity in mammalian male meiosis. <i>Chromosoma</i> , 2016, 125, 253-264.	2.2	16
72	Obesity/Type 2 Diabetes-Associated Liver Tumors Are Sensitive to Cyclin D1 Deficiency. <i>Cancer Research</i> , 2020, 80, 3215-3221.	0.9	12

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73	Cyclin A2 promotes DNA repair in the brain during both development and aging. <i>Aging</i> , 2016, 8, 1540-1570.	3.1	12
74	Differences in regulation and function of E-cyclins in human cancer cells. <i>Cell Cycle</i> , 2013, 12, 1165-1165.	2.6	7
75	Identification of cell cycle-targeting microRNAs through genome-wide screens. <i>Cell Cycle</i> , 2017, 16, 2241-2248.	2.6	7
76	Chemotherapy and CDK4/6 Inhibition in Cancer Treatment: Timing Is Everything. <i>Cancer Cell</i> , 2020, 37, 265-267.	16.8	7
77	Unexpected Outcomes of CDK4/6 Inhibition. <i>Oncotarget</i> , 2013, 4, 176-177.	1.8	6
78	Interrogating Kinase-Substrate Relationships with Proximity Labeling and Phosphorylation Enrichment. <i>Journal of Proteome Research</i> , 2022, 21, 494-506.	3.7	6
79	The D-Type Cyclins: A Historical Perspective. <i>Current Cancer Research</i> , 2018, , 1-26.	0.2	5
80	The requirement for cyclin E in c-Myc overexpressing breast cancers. <i>Cell Cycle</i> , 2020, 19, 2589-2599.	2.6	5
81	Cyclin A2 is essential for mouse gonocyte maturation. <i>Cell Cycle</i> , 2020, 19, 1654-1664.	2.6	5
82	Cyclins A and E trigger DNA damage. <i>Cell Cycle</i> , 2010, 9, 1231-1240.	2.6	4
83	Cyclin A2 Plays a Critical Role Not Only in Self-Renewal of Hematopoietic Stem Cells, but Also in Non-Self-Renewing Proliferation of Lymphoid Progenitors.. <i>Blood</i> , 2009, 114, 381-381.	1.4	3
84	Cyclin D3 Is Required for the Germinal Center Reaction. <i>Blood</i> , 2008, 112, 2580-2580.	1.4	0
85	Cyclin A2 Plays a Critical Role in Proliferation of Lymphoid Progenitors. <i>Blood</i> , 2011, 118, 914-914.	1.4	0