Erik S Knudsen

List of Publications by Year
in descending order

62	7,025	87888 38	123424 61
papers	citations	h-index	g-index

64	64	64	11746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The history and future of targeting cyclin-dependent kinases in cancer therapy. Nature Reviews Drug Discovery, 2015, 14, 130-146.	46.4	1,316
2	Whole-exome sequencing of pancreatic cancer defines genetic diversity and therapeutic targets. Nature Communications, 2015, 6, 6744.	12.8	879
3	Tailoring to RB: tumour suppressor status and therapeutic response. Nature Reviews Cancer, 2008, 8, 714-724.	28.4	311
4	Differential Regulation of Retinoblastoma Protein Function by Specific Cdk Phosphorylation Sites. Journal of Biological Chemistry, 1996, 271, 8313-8320.	3.4	264
5	The meaning of p16^{ink4a}expression in tumors. Cell Cycle, 2011, 10, 2497-2503.	2.6	240
6	The Strange Case of CDK4/6 Inhibitors: Mechanisms, Resistance, and Combination Strategies. Trends in Cancer, 2017, 3, 39-55.	7.4	206
7	MCT4 Defines a Glycolytic Subtype of Pancreatic Cancer with Poor Prognosis and Unique Metabolic Dependencies. Cell Reports, 2014, 9, 2233-2249.	6.4	182
8	CDK4/6 inhibitors have potent activity in combination with pathway selective therapeutic agents in models of pancreatic cancer. Oncotarget, 2014, 5, 6512-6525.	1.8	180
9	Kinome-Wide RNA Interference Screen Reveals a Role for PDK1 in Acquired Resistance to CDK4/6 Inhibition in ER-Positive Breast Cancer. Cancer Research, 2017, 77, 2488-2499.	0.9	178
10	The retinoblastoma tumor suppressor modifies the therapeutic response of breast cancer. Journal of Clinical Investigation, 2007, 117, 218-228.	8.2	178
11	Targeting the RB-pathway in Cancer Therapy. Clinical Cancer Research, 2010, 16, 1094-1099.	7.0	177
12	RB-pathway disruption in breast cancer. Cell Cycle, 2010, 9, 4153-4163.	2.6	163
13	Metabolic Reprogramming of Pancreatic Cancer Mediated by CDK4/6 Inhibition Elicits Unique Vulnerabilities. Cell Reports, 2016, 14, 979-990.	6.4	160
14	CDK4/6 inhibition antagonizes the cytotoxic response to anthracycline therapy. Cell Cycle, 2012, 11, 2747-2755.	2.6	147
15	Stratification of Pancreatic Ductal Adenocarcinoma: Combinatorial Genetic, Stromal, and Immunologic Markers. Clinical Cancer Research, 2017, 23, 4429-4440.	7.0	142
16	p27 allosterically activates cyclin-dependent kinase 4 and antagonizes palbociclib inhibition. Science, 2019, 366, .	12.6	132
17	Modification of the DNA Damage Response by Therapeutic CDK4/6 Inhibition. Journal of Biological Chemistry, 2012, 287, 29075-29087.	3.4	128
18	Cell Cycle and Beyond: Exploiting New RB1 Controlled Mechanisms for Cancer Therapy. Trends in Cancer, 2019, 5, 308-324.	7.4	113

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19	Unbiased analysis of RB-mediated transcriptional repression identifies novel targets and distinctions from E2F action. Cancer Research, 2002, 62, 6587-97.	0.9	106
20	Retinoblastoma tumor suppressor pathway in breast cancer: prognosis, precision medicine, and therapeutic interventions. Breast Cancer Research, 2014, 16, 207.	5.0	101
21	CDK4/6 inhibition provides a potent adjunct to Her2-targeted therapies in preclinical breast cancer models. Genes and Cancer, 2014, 5, 261-272.	1.9	101
22	Genetic Diversity of Pancreatic Ductal Adenocarcinoma and Opportunities for Precision Medicine. Gastroenterology, 2016, 150, 48-63.	1.3	90
23	Binary pan-cancer classes with distinct vulnerabilities defined by pro- or anti-cancer YAP/TEAD activity. Cancer Cell, 2021, 39, 1115-1134.e12.	16.8	86
24	Integrated Patient-Derived Models Delineate Individualized Therapeutic Vulnerabilities of Pancreatic Cancer. Cell Reports, 2016, 16, 2017-2031.	6.4	84
25	The Changing Landscape of Hepatocellular Carcinoma. American Journal of Pathology, 2014, 184, 574-583.	3.8	82
26	Pancreatic cancer cell lines as patient-derived avatars: genetic characterisation and functional utility. Gut, 2018, 67, 508-520.	12.1	81
27	Immunologic and Metabolic Features of Pancreatic Ductal Adenocarcinoma Define Prognostic Subtypes of Disease. Clinical Cancer Research, 2016, 22, 3606-3617.	7.0	73
28	Phase I Clinical Trial of Combination Propranolol and Pembrolizumab in Locally Advanced and Metastatic Melanoma: Safety, Tolerability, and Preliminary Evidence of Antitumor Activity. Clinical Cancer Research, 2021, 27, 87-95.	7.0	72
29	Targeting the Vulnerability of RB Tumor Suppressor Loss in Triple-Negative Breast Cancer. Cell Reports, 2018, 22, 1185-1199.	6.4	71
30	Cyclin A Is a Functional Target of Retinoblastoma Tumor Suppressor Protein-mediated Cell Cycle Arrest. Journal of Biological Chemistry, 1999, 274, 27632-27641.	3.4	66
31	RB-Pathway Disruption Is Associated with Improved Response to Neoadjuvant Chemotherapy in Breast Cancer. Clinical Cancer Research, 2012, 18, 5110-5122.	7.0	64
32	Selective impact of CDK4/6 suppression on patient-derived models of pancreatic cancer. Oncotarget, 2015, 6, 15788-15801.	1.8	51
33	Pan-cancer molecular analysis of the RB tumor suppressor pathway. Communications Biology, 2020, 3, 158.	4.4	50
34	Targeting dual signalling pathways in concert with immune checkpoints for the treatment of pancreatic cancer. Gut, 2021, 70, 127-138.	12.1	49
35	CDK/cyclin dependencies define extreme cancer cell-cycle heterogeneity and collateral vulnerabilities. Cell Reports, 2022, 38, 110448.	6.4	48
36	Cell cycle plasticity driven by MTOR signaling: integral resistance to CDK4/6 inhibition in patient-derived models of pancreatic cancer. Oncogene, 2019, 38, 3355-3370.	5.9	46

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37	Unique metabolic features of pancreatic cancer stroma: relevance to the tumor compartment, prognosis, and invasive potential. Oncotarget, 2016, 7, 78396-78411.	1.8	45
38	Kinase-independent role of cyclin D1 in chromosomal instability and mammary tumorigenesis. Oncotarget, 2015, 6, 8525-8538.	1.8	43
39	The RB tumor suppressor at the intersection of proliferation and immunity: relevance to disease immune evasion and immunotherapy. Cell Cycle, 2015, 14, 3812-3819.	2.6	42
40	Loss of RB compromises specific heterochromatin modifications and modulates HP1Î± dynamics. Journal of Cellular Physiology, 2007, 211, 131-137.	4.1	41
41	Functional Determinants of Cell Cycle Plasticity and Sensitivity to CDK4/6 Inhibition. Cancer Research, 2021, 81, 1347-1360.	0.9	40
42	Composite analysis of immunological and metabolic markers defines novel subtypes of triple negative breast cancer. Modern Pathology, 2018, 31, 288-298.	5.5	38
43	Chemotherapy and CDK4/6 Inhibitors: Unexpected Bedfellows. Molecular Cancer Therapeutics, 2020, 19, 1575-1588.	4.1	35
44	EZH2 and ALDH1 expression in ductal carcinoma in situ: Complex association with recurrence and progression to invasive breast cancer. Cell Cycle, 2013, 12, 2042-2050.	2.6	31
45	Retinoblastoma protein potentiates the innate immune response in hepatocytes: Significance for hepatocellular carcinoma. Hepatology, 2014, 60, 1231-1240.	7.3	28
46	Coordinately Targeting Cell-Cycle Checkpoint Functions in Integrated Models of Pancreatic Cancer. Clinical Cancer Research, 2019, 25, 2290-2304.	7.0	26
47	Defining the transcriptional and biological response to CDK4/6 inhibition in relation to ER+/HER2- breast cancer. Oncotarget, 2016, 7, 69111-69123.	1.8	26
48	Chemotherapy impacts on the cellular response to CDK4/6 inhibition: distinct mechanisms of interaction and efficacy in models of pancreatic cancer. Oncogene, 2020, 39, 1831-1845.	5.9	25
49	Retinoblastoma and Phosphate and Tensin Homolog Tumor Suppressors: Impact on Ductal Carcinoma In Situ Progression. Journal of the National Cancer Institute, 2012, 104, 1825-1836.	6.3	24
50	Identification of highly penetrant Rb-related synthetic lethal interactions in triple negative breast cancer. Oncogene, 2018, 37, 5701-5718.	5.9	24
51	Systematically Defining Single-Gene Determinants of Response to Neoadjuvant Chemotherapy Reveals Specific Biomarkers. Clinical Cancer Research, 2014, 20, 4837-4848.	7.0	19
52	Selective CDK4/6 Inhibitors: Biologic Outcomes, Determinants of Sensitivity, Mechanisms of Resistance, Combinatorial Approaches, and Pharmacodynamic Biomarkers. American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting, 2020, 40, 115-126.	3.8	16
53	A Phase I Study of Ribociclib Plus Everolimus in Patients with Metastatic Pancreatic Adenocarcinoma Refractory to Chemotherapy. Journal of Pancreatic Cancer, 2020, 6, 45-54.	0.9	15
54	Cancer cell cycle dystopia: heterogeneity, plasticity, and therapy. Trends in Cancer, 2022, 8, 711-725.	7.4	12

#	Article	IF	Citations
55	Phase Ib/II Study of Cetuximab plus Pembrolizumab in Patients with Advanced RAS Wild-Type Colorectal Cancer. Clinical Cancer Research, 2021, 27, 6726-6736.	7.0	8
56	Real-World Experience with CDK4/6 Inhibitors for Metastatic HR+/HER2â˜’ Breast Cancer at a Single Cancer Center. Oncologist, 2022, 27, 646-654.	3.7	7
57	TP53, CDKN2A/P16, and NFE2L2/NRF2 regulate the incidence of pure- and combined-small cell lung cancer in mice. Oncogene, 2022, 41, 3423-3432.	5.9	7
58	RB Tumor Suppressive Function in Response to Xenobiotic Hepatocarcinogens. American Journal of Pathology, 2014, 184, 1853-1859.	3.8	6
59	RB loss determines selective resistance and novel vulnerabilities in ER-positive breast cancer models. Oncogene, 0, , .	5.9	6
60	Interrogating Mutant Allele Expression via Customized Reference Genomes to Define Influential Cancer Mutations. Scientific Reports, 2019, 9, 12766.	3.3	5
61	The transcriptome of CDK4/6 inhibition. Aging, 2017, 9, 1859-1860.	3.1	2
62	Cell cycle: mechanisms of control and dysregulation in cancer. , 0, , 452-464.		0