

D Neil Watkins

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

11,755
citations

70961

41
h-index

53109

85
g-index

90
all docs

90
docs citations

90
times ranked

15628
citing authors

#	ARTICLE	IF	CITATIONS
1	Deletion of kif3a in CK19 positive cells leads to primary cilia loss, biliary cell proliferation and cystic liver lesions in TAA-treated mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166335.	1.8	5
2	SILAC kinase screen identifies potential MASTL substrates. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
3	A non-genetic, cell cycle-dependent mechanism of platinum resistance in lung adenocarcinoma. <i>ELife</i> , 2021, 10, .	2.8	14
4	GEAMP, a novel gastroesophageal junction carcinoma cell line derived from a malignant pleural effusion. <i>Laboratory Investigation</i> , 2020, 100, 16-26.	1.7	4
5	p53 and RB1 regulate Hedgehog responsiveness via autophagy-mediated ciliogenesis. <i>Molecular and Cellular Oncology</i> , 2020, 7, 1805095.	0.3	0
6	Breathing New Life into the Mechanisms of Platinum Resistance in Lung Adenocarcinoma. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 305.	1.8	9
7	Trp53 and Rb1 regulate autophagy and ligand-dependent Hedgehog signaling. <i>Journal of Clinical Investigation</i> , 2020, 130, 4006-4018.	3.9	10
8	Analysis of pulsed cisplatin signalling dynamics identifies effectors of resistance in lung adenocarcinoma. <i>ELife</i> , 2020, 9, .	2.8	7
9	A Sexually Dimorphic Role for STAT3 in Sonic Hedgehog Medulloblastoma. <i>Cancers</i> , 2019, 11, 1702.	1.7	14
10	Targeting promiscuous heterodimerization overcomes innate resistance to ERBB2 dimerization inhibitors in breast cancer. <i>Breast Cancer Research</i> , 2019, 21, 43.	2.2	33
11	<scp>ADAM</scp> 17 selectively activates the <scp>IL</scp> â€6 transâ€signaling/ <scp>ERK MAPK</scp> axis in <scp>KRAS</scp> â€addicted lung cancer. <i>EMBO Molecular Medicine</i> , 2019, 11, .	3.3	65
12	Chiral DNA sequences as commutable controls for clinical genomics. <i>Nature Communications</i> , 2019, 10, 1342.	5.8	11
13	Genomic stratification and liquid biopsy in a rare adrenocortical carcinoma (ACC) case, with dual lung metastases. <i>Journal of Physical Education and Sports Management</i> , 2019, 5, a003764.	0.5	7
14	Renal epithelial cells retain primary cilia during human acute renal allograft rejection injury. <i>BMC Research Notes</i> , 2019, 12, 718.	0.6	3
15	Deep multi-region whole-genome sequencing reveals heterogeneity and gene-by-environment interactions in treatment-naive, metastatic lung cancer. <i>Oncogene</i> , 2019, 38, 1661-1675.	2.6	26
16	The tumor suppressor Hic1 maintains chromosomal stability independent of Tp53. <i>Oncogene</i> , 2018, 37, 1939-1948.	2.6	18
17	A phase IIa study of HA-irinotecan, formulation of hyaluronic acid and irinotecan targeting CD44 in extensive-stage small cell lung cancer. <i>Investigational New Drugs</i> , 2018, 36, 288-298.	1.2	27
18	Hedgehog stimulates hair follicle neogenesis by creating inductive dermis during murine skin wound healing. <i>Nature Communications</i> , 2018, 9, 4903.	5.8	182

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19	Targeting stromal remodeling and cancer stem cell plasticity overcomes chemoresistance in triple negative breast cancer. <i>Nature Communications</i> , 2018, 9, 2897.	5.8	293
20	Inhibition of activin signaling in lung adenocarcinoma increases the therapeutic index of platinum chemotherapy. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	32
21	MASTL overexpression promotes chromosome instability and metastasis in breast cancer. <i>Oncogene</i> , 2018, 37, 4518-4533.	2.6	45
22	The Immune Microenvironment, Genome-wide Copy Number Aberrations, and Survival in Mesothelioma. <i>Journal of Thoracic Oncology</i> , 2017, 12, 850-859.	0.5	83
23	MCAM Mediates Chemoresistance in Small-Cell Lung Cancer via the PI3K/AKT/SOX2 Signaling Pathway. <i>Cancer Research</i> , 2017, 77, 4414-4425.	0.4	85
24	Positive regulatory interactions between YAP and Hedgehog signalling in skin homeostasis and BCC development in mouse skin in vivo. <i>PLoS ONE</i> , 2017, 12, e0183178.	1.1	23
25	Widespread GLI expression but limited canonical hedgehog signaling restricted to the ductular reaction in human chronic liver disease. <i>PLoS ONE</i> , 2017, 12, e0171480.	1.1	8
26	MCL-1 inhibition provides a new way to suppress breast cancer metastasis and increase sensitivity to dasatinib. <i>Breast Cancer Research</i> , 2016, 18, 125.	2.2	60
27	PP1 initiates the dephosphorylation of MASTL, triggering mitotic exit and bistability in human cells. <i>Journal of Cell Science</i> , 2016, 129, 1340-54.	1.2	44
28	Mechanisms regulating phosphatase specificity and the removal of individual phosphorylation sites during mitotic exit. <i>BioEssays</i> , 2016, 38, S24-32.	1.2	26
29	Immunotherapy for malignant mesothelioma: reality check. <i>Expert Review of Anticancer Therapy</i> , 2016, 16, 1167-1176.	1.1	10
30	Calretinin but not caveolin-1 correlates with tumour histology and survival in malignant mesothelioma. <i>Pathology</i> , 2016, 48, 660-665.	0.3	16
31	The mouse endometrium contains epithelial, endothelial and leucocyte populations expressing the stem cell marker telomerase reverse transcriptase. <i>Molecular Human Reproduction</i> , 2016, 22, 272-284.	1.3	23
32	Low-Dose Histone Deacetylase Inhibitor Treatment Leads to Tumor Growth Arrest and Multi-Lineage Differentiation of Malignant Rhabdoid Tumors. <i>Clinical Cancer Research</i> , 2016, 22, 3560-3570.	3.2	39
33	Dataset from the global phosphoproteomic mapping of early mitotic exit in human cells. <i>Data in Brief</i> , 2015, 5, 45-52.	0.5	8
34	Hedgehog Signaling in the Maintenance of Cancer Stem Cells. <i>Cancers</i> , 2015, 7, 1554-1585.	1.7	190
35	Global Phosphoproteomic Mapping of Early Mitotic Exit in Human Cells Identifies Novel Substrate Dephosphorylation Motifs. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2194-2212.	2.5	63
36	BTB-ZF transcriptional regulator PLZF modifies chromatin to restrain inflammatory signaling programs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1535-1540.	3.3	54

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37	Mitochondria-derived reactive oxygen species drive GANT61-induced mesothelioma cell apoptosis. <i>Oncotarget</i> , 2015, 6, 1519-1530.	0.8	25
38	Seminoma and Embryonal Carcinoma Footprints Identified by Analysis of Integrated Genome-Wide Epigenetic and Expression Profiles of Germ Cell Cancer Cell Lines. <i>PLoS ONE</i> , 2014, 9, e98330.	1.1	32
39	Genomic Characterisation of Small Cell Lung Cancer Patient-Derived Xenografts Generated from Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration Specimens. <i>PLoS ONE</i> , 2014, 9, e106862.	1.1	35
40	Reply to: "The many faces of Hedgehog signalling in the liver: Recent progress reveals striking cellular diversity and the importance of microenvironments". <i>Journal of Hepatology</i> , 2014, 61, 1451-1452.	1.8	1
41	Changes in aldehyde dehydrogenase-1 expression during neoadjuvant chemotherapy predict outcome in locally advanced breast cancer. <i>Breast Cancer Research</i> , 2014, 16, R44.	2.2	43
42	The intrahepatic signalling niche of hedgehog is defined by primary cilia positive cells during chronic liver injury. <i>Journal of Hepatology</i> , 2014, 60, 143-151.	1.8	71
43	Hedgehog signaling regulates FOXA2 in esophageal embryogenesis and Barrett's metaplasia. <i>Journal of Clinical Investigation</i> , 2014, 124, 3767-3780.	3.9	81
44	Interaction of smoothened with integrin-linked kinase in primary cilia mediates Hedgehog signalling. <i>EMBO Reports</i> , 2013, 14, 837-844.	2.0	23
45	Visualizing renal primary cilia. <i>Nephrology</i> , 2013, 18, 161-168.	0.7	14
46	The Hedgehog signalling pathway in breast development, carcinogenesis and cancer therapy. <i>Breast Cancer Research</i> , 2013, 15, 203.	2.2	94
47	Cancer stem cells in lung cancer: Evidence and controversies. <i>Respirology</i> , 2013, 18, 757-764.	1.3	120
48	Novel therapeutic targets in non-small cell lung cancer. <i>Current Opinion in Pharmacology</i> , 2013, 13, 394-401.	1.7	70
49	The prognostic significance of aldehyde dehydrogenase 1A1 (ALDH1A1) and CD133 expression in early stage non-small cell lung cancer. <i>Thorax</i> , 2013, 68, 1095-1104.	2.7	60
50	Next-Generation Sequence Analysis of Cancer Xenograft Models. <i>PLoS ONE</i> , 2013, 8, e74432.	1.1	30
51	Mutational Analysis of Hedgehog Signaling Pathway Genes in Human Malignant Mesothelioma. <i>PLoS ONE</i> , 2013, 8, e66685.	1.1	29
52	Mechanisms of Hedgehog signalling in cancer. <i>Growth Factors</i> , 2011, 29, 221-234.	0.5	50
53	Hedgehog Overexpression Is Associated with Stromal Interactions and Predicts for Poor Outcome in Breast Cancer. <i>Cancer Research</i> , 2011, 71, 4002-4014.	0.4	149
54	A crucial requirement for Hedgehog signaling in small cell lung cancer. <i>Nature Medicine</i> , 2011, 17, 1504-1508.	15.2	224

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55	Enhanced efficacy of local etoposide delivery by poly(ether-anhydride) particles against small cell lung cancer in vivo. <i>Biomaterials</i> , 2010, 31, 339-344.	5.7	37
56	Interfering with Resistance to Smoothed Antagonists by Inhibition of the PI3K Pathway in Medulloblastoma. <i>Science Translational Medicine</i> , 2010, 2, 51ra70.	5.8	416
57	Aberrant Epithelial-Mesenchymal Hedgehog Signaling Characterizes Barrett's Metaplasia. <i>Gastroenterology</i> , 2010, 138, 1810-1822.e2.	0.6	156
58	Self-Renewal of Acute Lymphocytic Leukemia Cells Is Limited by the Hedgehog Pathway Inhibitors Cyclopamine and IPI-926. <i>PLoS ONE</i> , 2010, 5, e15262.	1.1	75
59	A Primary Xenograft Model of Small-Cell Lung Cancer Reveals Irreversible Changes in Gene Expression Imposed by Culture <i>In vitro</i> . <i>Cancer Research</i> , 2009, 69, 3364-3373.	0.4	406
60	Clonogenic Multiple Myeloma Progenitors, Stem Cell Properties, and Drug Resistance. <i>Cancer Research</i> , 2008, 68, 190-197.	0.4	495
61	Epigenetic Inactivation of the Canonical Wnt Antagonist SRY-Box Containing Gene 17 in Colorectal Cancer. <i>Cancer Research</i> , 2008, 68, 2764-2772.	0.4	169
62	Therapeutic Efficacy of ABT-737, a Selective Inhibitor of BCL-2, in Small Cell Lung Cancer. <i>Cancer Research</i> , 2008, 68, 2321-2328.	0.4	187
63	Cooperation between the <i>Hic1</i> and <i>Ptch1</i> tumor suppressors in medulloblastoma. <i>Genes and Development</i> , 2008, 22, 770-785.	2.7	103
64	Just Say No to ATOH: How HIC1 Methylation Might Predispose Medulloblastoma to Lineage Addiction: Figure 1.. <i>Cancer Research</i> , 2008, 68, 8654-8656.	0.4	20
65	Novel Systemic Therapies for Small Cell Lung Cancer. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2008, 6, 315-322.	2.3	23
66	Hedgehog signaling maintains a tumor stem cell compartment in multiple myeloma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4048-4053.	3.3	460
67	Seneca Valley Virus, a Systemically Deliverable Oncolytic Picornavirus, and the Treatment of Neuroendocrine Cancers. <i>Journal of the National Cancer Institute</i> , 2007, 99, 1623-1633.	3.0	196
68	A histological survey of green fluorescent protein expression in "green" mice: implications for stem cell research. <i>Pathology</i> , 2007, 39, 247-251.	0.3	17
69	A stem cell-like chromatin pattern may predispose tumor suppressor genes to DNA hypermethylation and heritable silencing. <i>Nature Genetics</i> , 2007, 39, 237-242.	9.4	998
70	Lung cancer: Future directions. <i>Respirology</i> , 2007, 12, 471-477.	1.3	46
71	Ancient Origin of the New Developmental Superfamily DANGER. <i>PLoS ONE</i> , 2007, 2, e204.	1.1	16
72	Aberrant Hedgehog Signaling Represents a Novel Therapeutic Target in B Cell Lymphomas.. <i>Blood</i> , 2007, 110, 3582-3582.	0.6	0

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73	Developmental signalling pathways in lung cancer. <i>Respirology</i> , 2006, 11, 234-240.	1.3	54
74	Inhibition of SIRT1 Reactivates Silenced Cancer Genes without Loss of Promoter DNA Hypermethylation. <i>PLoS Genetics</i> , 2006, 2, e40.	1.5	361
75	DANGER, a Novel Regulatory Protein of Inositol 1,4,5-Trisphosphate-Receptor Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 37111-37116.	1.6	36
76	Severe late postsplenectomy infection. <i>British Journal of Surgery</i> , 2005, 78, 716-721.	0.1	236
77	Epigenetic inactivation of SFRP genes allows constitutive WNT signaling in colorectal cancer. <i>Nature Genetics</i> , 2004, 36, 417-422.	9.4	976
78	Hedgehog signalling within airway epithelial progenitors and in small-cell lung cancer. <i>Nature</i> , 2003, 422, 313-317.	13.7	1,026
79	Widespread requirement for Hedgehog ligand stimulation in growth of digestive tract tumours. <i>Nature</i> , 2003, 425, 846-851.	13.7	1,196
80	Heterozygous disruption of <i>Hic1</i> predisposes mice to a gender-dependent spectrum of malignant tumors. <i>Nature Genetics</i> , 2003, 33, 197-202.	9.4	200
81	Hedgehog Signaling: Progenitor Phenotype in Small-Cell Lung Cancer. <i>Cell Cycle</i> , 2003, 2, 195-197.	1.3	86
82	Medulloblastoma Growth Inhibition by Hedgehog Pathway Blockade. <i>Science</i> , 2002, 297, 1559-1561.	6.0	760
83	Notch Signaling Induces Rapid Degradation of Achaete-Scute Homolog 1. <i>Molecular and Cellular Biology</i> , 2002, 22, 3129-3139.	1.1	153
84	Oncostatin M synergises with house dust mite proteases to induce the production of PGE2 from cultured lung epithelial cells. <i>British Journal of Pharmacology</i> , 2000, 131, 465-472.	2.7	19
85	The effect of aspirin on thrombin stimulated platelet adhesion receptor expression and the role of neutrophils. <i>British Journal of Clinical Pharmacology</i> , 1998, 46, 139-145.	1.1	17
86	Glutathione peroxidase activity and mRNA expression in eosinophils and neutrophils of asthmatic and non-asthmatic subjects. <i>Journal of Leukocyte Biology</i> , 1998, 63, 124-130.	1.5	19
87	Regulation of the inducible cyclo-oxygenase pathway in human cultured airway epithelial (A549) cells by nitric oxide. <i>British Journal of Pharmacology</i> , 1997, 121, 1482-1488.	2.7	105