

Nicholas R Leslie

List of Publications by Year in descending order

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83
papers

8,307
citations

61687

45
h-index

71088

80
g-index

86
all docs

86
docs citations

86
times ranked

12978
citing authors

#	ARTICLE	IF	CITATIONS
1	The TSC1-2 tumor suppressor controls insulin-PI3K signaling via regulation of IRS proteins. <i>Journal of Cell Biology</i> , 2004, 166, 213-223.	2.3	1,013
2	Redox regulation of PI 3-kinase signalling via inactivation of PTEN. <i>EMBO Journal</i> , 2003, 22, 5501-5510.	3.5	536
3	PTEN function: how normal cells control it and tumour cells lose it. <i>Biochemical Journal</i> , 2004, 382, 1-11.	1.7	448
4	PTEN posttranslational inactivation and hyperactivation of the PI3K/Akt pathway sustain primary T cell leukemia viability. <i>Journal of Clinical Investigation</i> , 2008, 118, 3762-3774.	3.9	403
5	PTEN: The down side of PI 3-kinase signalling. <i>Cellular Signalling</i> , 2002, 14, 285-295.	1.7	393
6	GSK3 and its interactions with the PI3K/AKT/mTOR signalling network. <i>Advances in Biological Regulation</i> , 2017, 65, 5-15.	1.4	328
7	Three-dimensional bioprinting of complex cell laden alginate hydrogel structures. <i>Biofabrication</i> , 2015, 7, 045012.	3.7	320
8	Prdx1 inhibits tumorigenesis via regulating PTEN/AKT activity. <i>EMBO Journal</i> , 2009, 28, 1505-1517.	3.5	302
9	Mechanisms of PTEN loss in cancer: It's all about diversity. <i>Seminars in Cancer Biology</i> , 2019, 59, 66-79.	4.3	214
10	3D Printing in Suspension Baths: Keeping the Promises of Bioprinting Afloat. <i>Trends in Biotechnology</i> , 2020, 38, 584-593.	4.9	183
11	PtdIns(3,4,5)P3-Dependent and -Independent Roles for PTEN in the Control of Cell Migration. <i>Current Biology</i> , 2007, 17, 115-125.	1.8	178
12	Phosphorylation by Akt within the ST loop of AMPK-1 down-regulates its activation in tumour cells. <i>Biochemical Journal</i> , 2014, 459, 275-287.	1.7	176
13	Small Molecule Antagonists of the γ -1 Receptor Cause Selective Release of the Death Program in Tumor and Self-Reliant Cells and Inhibit Tumor Growth in Vitro and in Vivo. <i>Cancer Research</i> , 2004, 64, 4875-4886.	0.4	164
14	Prostate cancer, PI3K, PTEN and prognosis. <i>Clinical Science</i> , 2017, 131, 197-210.	1.8	146
15	The tumour-suppressor function of PTEN requires an N-terminal lipid-binding motif. <i>Biochemical Journal</i> , 2004, 379, 301-307.	1.7	144
16	Hypomorphic Mutation of PDK1 Suppresses Tumorigenesis in PTEN+/+ Mice. <i>Current Biology</i> , 2005, 15, 1839-1846.	1.8	141
17	PTEN is destabilized by phosphorylation on Thr366. <i>Biochemical Journal</i> , 2007, 405, 439-444.	1.7	140
18	Localization of agonist-sensitive PtdIns(3,4,5)P3 reveals a nuclear pool that is insensitive to PTEN expression. <i>Journal of Cell Science</i> , 2006, 119, 5160-5168.	1.2	137

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19	Non-genomic loss of PTEN function in cancer: not in my genes. Trends in Pharmacological Sciences, 2011, 32, 131-140.	4.0	137
20	TPIP: a novel phosphoinositide 3-phosphatase. Biochemical Journal, 2001, 360, 277-283.	1.7	136
21	The Redox Regulation of PI 3-Kinase-Dependent Signaling. Antioxidants and Redox Signaling, 2006, 8, 1765-1774.	2.5	134
22	MC1R Is a Potent Regulator of PTEN after UV Exposure in Melanocytes. Molecular Cell, 2013, 51, 409-422.	4.5	122
23	Phosphoinositide-Regulated Kinases and Phosphoinositide Phosphatases. Chemical Reviews, 2001, 101, 2365-2380.	23.0	112
24	PTEN Protein Phosphatase Activity Correlates with Control of Gene Expression and Invasion, a Tumor-Suppressing Phenotype, But Not with AKT Activity. Science Signaling, 2012, 5, ra18.	1.6	107
25	Leptin Regulates AMPA Receptor Trafficking via PTEN Inhibition. Journal of Neuroscience, 2010, 30, 4088-4101.	1.7	104
26	A novel leptin signalling pathway via PTEN inhibition in hypothalamic cell lines and pancreatic Î²-cells. EMBO Journal, 2006, 25, 2377-2387.	3.5	103
27	Functionally distinct groups of inherited PTEN mutations in autism and tumour syndromes. Journal of Medical Genetics, 2015, 52, 128-134.	1.5	99
28	Use of Akt Inhibitor and a Drug-resistant Mutant Validates a Critical Role for Protein Kinase B/Akt in the Insulin-dependent Regulation of Glucose and System A Amino Acid Uptake. Journal of Biological Chemistry, 2008, 283, 27653-27667.	1.6	96
29	TPIP: a novel phosphoinositide 3-phosphatase. Biochemical Journal, 2001, 360, 277.	1.7	95
30	Differential redox regulation within the PTP superfamily. Cellular Signalling, 2007, 19, 1521-1530.	1.7	89
31	MyosinV controls PTEN function and neuronal cell size. Nature Cell Biology, 2009, 11, 1191-1196.	4.6	82
32	Inherited PTEN mutations and the prediction of phenotype. Seminars in Cell and Developmental Biology, 2016, 52, 30-38.	2.3	78
33	Analysis of the cellular functions of PTEN using catalytic domain and C-terminal mutations: differential effects of C-terminal deletion on signalling pathways downstream of phosphoinositide 3-kinase. Biochemical Journal, 2000, 346, 827-833.	1.7	74
34	Cross Talk between the Akt and p38 Pathways in Macrophages Downstream of Toll-Like Receptor Signaling. Molecular and Cellular Biology, 2013, 33, 4152-4165.	1.1	74
35	Chemoresistant KM12C Colon Cancer Cells Are Addicted to Low Cyclic AMP Levels in a Phosphodiesterase 4-Regulated Compartment via Effects on Phosphoinositide 3-Kinase. Cancer Research, 2007, 67, 5248-5257.	0.4	68
36	Class I PI 3-kinases: Function and evolution. Advances in Biological Regulation, 2015, 59, 53-64.	1.4	66

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37	Three dimensional in vitro models of cancer: Bioprinting multilineage glioblastoma models. <i>Advances in Biological Regulation</i> , 2020, 75, 100658.	1.4	66
38	Detection of novel intracellular agonist responsive pools of phosphatidylinositol 3,4-bisphosphate using the TAPP1 pleckstrin homology domain in immunoelectron microscopy. <i>Biochemical Journal</i> , 2004, 377, 653-663.	1.7	63
39	Targeting mutants of PTEN reveal distinct subsets of tumour suppressor functions. <i>Biochemical Journal</i> , 2001, 357, 427-435.	1.7	61
40	PTEN inhibitors: An evaluation of current compounds. <i>Advances in Biological Regulation</i> , 2015, 57, 102-111.	1.4	57
41	PTEN Methylation by NSD2 Controls Cellular Sensitivity to DNA Damage. <i>Cancer Discovery</i> , 2019, 9, 1306-1323.	7.7	54
42	A Unified Nomenclature and Amino Acid Numbering for Human PTEN. <i>Science Signaling</i> , 2014, 7, pe15.	1.6	50
43	A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B. <i>Biochemical Journal</i> , 2000, 352, 617-622.	1.7	49
44	The significance of PTEN's protein phosphatase activity. <i>Advances in Enzyme Regulation</i> , 2009, 49, 190-196.	2.9	47
45	PtdIns(4,5)P ₂ -Mediated Cell Signaling: Emerging Principles and PTEN as a Paradigm for Regulatory Mechanism. <i>Advances in Experimental Medicine and Biology</i> , 2013, 991, 85-104.	0.8	46
46	Stimulation of PI 3-kinase signaling via inhibition of the tumor suppressor phosphatase, PTEN. <i>Advances in Enzyme Regulation</i> , 2007, 47, 184-194.	2.9	45
47	Ubiquitination of PTEN (Phosphatase and Tensin Homolog) Inhibits Phosphatase Activity and Is Enhanced by Membrane Targeting and Hyperosmotic Stress. <i>Journal of Biological Chemistry</i> , 2010, 285, 12620-12628.	1.6	45
48	The PTEN protein: cellular localization and post-translational regulation. <i>Biochemical Society Transactions</i> , 2016, 44, 273-278.	1.6	43
49	Targeting mutants of PTEN reveal distinct subsets of tumour suppressor functions. <i>Biochemical Journal</i> , 2001, 357, 427.	1.7	40
50	Cloning and characterisation of hAps1 and hAps2, human diadenosine polyphosphate-metabolising Nudix hydrolases. <i>BMC Biochemistry</i> , 2002, 3, 20.	4.4	39
51	Phosphorylation of the Actin Binding Protein Drebrin at S647 Is Regulated by Neuronal Activity and PTEN. <i>PLoS ONE</i> , 2013, 8, e71957.	1.1	33
52	β1-Integrin and PTEN control the phosphorylation of protein kinase C. <i>Biochemical Journal</i> , 2000, 352, 425-433.	1.7	31
53	Distinct inactivation of PI3K signalling by PTEN and 5-phosphatases. <i>Advances in Biological Regulation</i> , 2012, 52, 205-213.	1.4	30
54	C1-Ten Is a Protein Tyrosine Phosphatase of Insulin Receptor Substrate 1 (IRS-1), Regulating IRS-1 Stability and Muscle Atrophy. <i>Molecular and Cellular Biology</i> , 2013, 33, 1608-1620.	1.1	29

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55	A simple and robust real-time qPCR method for the detection of PIK3CA mutations. <i>Scientific Reports</i> , 2018, 8, 4290.	1.6	28
56	A Screen for Novel Phosphoinositide 3-kinase Effector Proteins. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.003178.	2.5	26
57	PTEN M-CBR3, a Versatile and Selective Regulator of Inositol 1,3,4,5,6-Pentakisphosphate (Ins(1,3,4,5,6)P5). <i>Journal of Biological Chemistry</i> , 2004, 279, 1116-1122.	1.6	25
58	IQGAP Proteins Reveal an Atypical Phosphoinositide (aPI) Binding Domain with a Pseudo C2 Domain Fold. <i>Journal of Biological Chemistry</i> , 2012, 287, 22483-22496.	1.6	23
59	Analysis of the cellular functions of PTEN using catalytic domain and C-terminal mutations: differential effects of C-terminal deletion on signalling pathways downstream of phosphoinositide 3-kinase. <i>Biochemical Journal</i> , 2000, 346, 827.	1.7	22
60	Identification of a PTEN mutation with reduced protein stability, phosphatase activity, and nuclear localization in Hong Kong patients with autistic features, neurodevelopmental delays, and macrocephaly. <i>Autism Research</i> , 2018, 11, 1098-1109.	2.1	22
61	The PTEN and Myotubularin Phosphoinositide 3-Phosphatases: Linking Lipid Signalling to Human Disease. <i>Sub-Cellular Biochemistry</i> , 2012, 58, 281-336.	1.0	16
62	Decreased insulin binding to mononuclear leucocytes and erythrocytes from dogs after S-nitroso-N-acetypenicillamine administration. <i>BMC Biochemistry</i> , 2002, 3, 1.	4.4	15
63	PIK3CA mutation enrichment and quantitation from blood and tissue. <i>Scientific Reports</i> , 2020, 10, 17082.	1.6	15
64	Substrate specificity and acute regulation of the tumour suppressor phosphatase, PTEN. <i>Biochemical Society Symposia</i> , 2007, 74, 69-80.	2.7	14
65	Controlling PTEN (Phosphatase and Tensin Homolog) Stability. <i>Journal of Biological Chemistry</i> , 2016, 291, 18465-18473.	1.6	14
66	Indirect mechanisms of carcinogenesis via downregulation of PTEN function. <i>Advances in Enzyme Regulation</i> , 2010, 50, 112-118.	2.9	13
67	Mutant PTEN in Cancer: Worse Than Nothing. <i>Cell</i> , 2014, 157, 527-529.	13.5	13
68	Yeast-based methods to assess PTEN phosphoinositide phosphatase activity in vivo. <i>Methods</i> , 2015, 77-78, 172-179.	1.9	13
69	Migration Stimulating Factor (MSF) promotes fibroblast migration by inhibiting AKT. <i>Cellular Signalling</i> , 2010, 22, 1655-1659.	1.7	11
70	PTEN: An Intercellular Peacekeeper?. <i>Science Signaling</i> , 2012, 5, pe50.	1.6	11
71	Where Is PTEN?. <i>Science</i> , 2013, 341, 355-356.	6.0	10
72	Assaying PTEN catalysis in vitro. <i>Methods</i> , 2015, 77-78, 51-57.	1.9	9

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73	In Cell and In Vitro Assays to Measure PTEN Ubiquitination. <i>Methods in Molecular Biology</i> , 2016, 1388, 155-165.	0.4	7
74	P-REX2a Driving Tumorigenesis by PTEN Inhibition. <i>Science Signaling</i> , 2009, 2, pe68.	1.6	6
75	Mechanism of Activation of PKB/Akt by the Protein Phosphatase Inhibitor Calyculin A. <i>Cell Biochemistry and Biophysics</i> , 2010, 58, 147-156.	0.9	6
76	SWAP70 undergoes dynamic conformational regulation at the leading edge of migrating cells. <i>FEBS Letters</i> , 2019, 593, 395-405.	1.3	6
77	Microfluidic system for near-patient extraction and detection of miR-122 microRNA biomarker for drug-induced liver injury diagnostics. <i>Biomicrofluidics</i> , 2022, 16, 024108.	1.2	6
78	Assays to Measure PTEN Lipid Phosphatase Activity In Vitro from Purified Enzyme or Immunoprecipitates. <i>Methods in Molecular Biology</i> , 2016, 1447, 95-105.	0.4	2
79	Importin-11 keeps PTEN safe from harm. <i>Journal of Cell Biology</i> , 2017, 216, 539-541.	2.3	1
80	Phosphoinositide-Dependent Protein Kinases. , 2021, , .		1
81	Phosphoinositide-Dependent Protein Kinases. , 2004, , 292-296.		0
82	Kinases/Phosphatases Phosphoinositide-Dependent Protein Kinases. , 2021, , 369-372.		0
83	PTEN. , 2018, , 4274-4279.		0