

Nicholas R Leslie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/62686/publications.pdf>

Version: 2024-02-01

83
papers

8,307
citations

53794
45
h-index

62596
80
g-index

86
all docs

86
docs citations

86
times ranked

11775
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic system for near-patient extraction and detection of miR-122 microRNA biomarker for drug-induced liver injury diagnostics. Biomicrofluidics, 2022, 16, 024108.	2.4	6
2	Kinases/Phosphatases Phosphoinositide-Dependent Protein Kinases. , 2021, , 369-372.		0
3	Phosphoinositide-Dependent Protein Kinases. , 2021, , .		1
4	Three dimensional in vitro models of cancer: Bioprinting multilineage glioblastoma models. Advances in Biological Regulation, 2020, 75, 100658.	2.3	66
5	PIK3CA mutation enrichment and quantitation from blood and tissue. Scientific Reports, 2020, 10, 17082.	3.3	15
6	3D Printing in Suspension Baths: Keeping the Promises of Bioprinting Afloat. Trends in Biotechnology, 2020, 38, 584-593.	9.3	183
7	PTEN Methylation by NSD2 Controls Cellular Sensitivity to DNA Damage. Cancer Discovery, 2019, 9, 1306-1323.	9.4	54
8	Mechanisms of PTEN loss in cancer: It's all about diversity. Seminars in Cancer Biology, 2019, 59, 66-79.	9.6	214
9	SWAP70 undergoes dynamic conformational regulation at the leading edge of migrating cells. FEBS Letters, 2019, 593, 395-405.	2.8	6
10	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. Autism Research, 2018, 11, 1098-1109.	3.8	22
11	A simple and robust real-time qPCR method for the detection of PIK3CA mutations. Scientific Reports, 2018, 8, 4290.	3.3	28
12	PTEN. , 2018, , 4274-4279.		0
13	Prostate cancer, PI3K, PTEN and prognosis. Clinical Science, 2017, 131, 197-210.	4.3	146
14	Importin-11 keeps PTEN safe from harm. Journal of Cell Biology, 2017, 216, 539-541.	5.2	1
15	GSK3 and its interactions with the PI3K/AKT/mTOR signalling network. Advances in Biological Regulation, 2017, 65, 5-15.	2.3	328
16	The PTEN protein: cellular localization and post-translational regulation. Biochemical Society Transactions, 2016, 44, 273-278.	3.4	43
17	Controlling PTEN (Phosphatase and Tensin Homolog) Stability. Journal of Biological Chemistry, 2016, 291, 18465-18473.	3.4	14
18	Inherited PTEN mutations and the prediction of phenotype. Seminars in Cell and Developmental Biology, 2016, 52, 30-38.	5.0	78

#	ARTICLE	IF	CITATIONS
19	In Cell and In Vitro Assays to Measure PTEN Ubiquitination. <i>Methods in Molecular Biology</i> , 2016, 1388, 155-165.	0.9	7
20	Assays to Measure PTEN Lipid Phosphatase Activity In Vitro from Purified Enzyme or Immunoprecipitates. <i>Methods in Molecular Biology</i> , 2016, 1447, 95-105.	0.9	2
21	Assaying PTEN catalysis in vitro. <i>Methods</i> , 2015, 77-78, 51-57.	3.8	9
22	Functionally distinct groups of inherited PTEN mutations in autism and tumour syndromes. <i>Journal of Medical Genetics</i> , 2015, 52, 128-134.	3.2	99
23	Three-dimensional bioprinting of complex cell laden alginate hydrogel structures. <i>Biofabrication</i> , 2015, 7, 045012.	7.1	320
24	Yeast-based methods to assess PTEN phosphoinositide phosphatase activity in vivo. <i>Methods</i> , 2015, 77-78, 172-179.	3.8	13
25	Class I PI 3-kinases: Function and evolution. <i>Advances in Biological Regulation</i> , 2015, 59, 53-64.	2.3	66
26	PTEN inhibitors: An evaluation of current compounds. <i>Advances in Biological Regulation</i> , 2015, 57, 102-111.	2.3	57
27	Phosphorylation by Akt within the ST loop of AMPK- α 1 down-regulates its activation in tumour cells. <i>Biochemical Journal</i> , 2014, 459, 275-287.	3.7	176
28	A Unified Nomenclature and Amino Acid Numbering for Human PTEN. <i>Science Signaling</i> , 2014, 7, pe15.	3.6	50
29	Mutant PTEN in Cancer: Worse Than Nothing. <i>Cell</i> , 2014, 157, 527-529.	28.9	13
30	MC1R Is a Potent Regulator of PTEN after UV Exposure in Melanocytes. <i>Molecular Cell</i> , 2013, 51, 409-422.	9.7	122
31	Where Is PTEN?. <i>Science</i> , 2013, 341, 355-356.	12.6	10
32	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.	1.6	46
33	Cross Talk between the Akt and p38 β Pathways in Macrophages Downstream of Toll-Like Receptor Signaling. <i>Molecular and Cellular Biology</i> , 2013, 33, 4152-4165.	2.3	74
34	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.	2.3	29
35	Phosphorylation of the Actin Binding Protein Drebrin at S647 Is Regulated by Neuronal Activity and PTEN. <i>PLoS ONE</i> , 2013, 8, e71957.	2.5	33
36	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.	3.4	23

#	ARTICLE	IF	CITATIONS
37	PTEN Protein Phosphatase Activity Correlates with Control of Gene Expression and Invasion, a Tumor-Suppressing Phenotype, But Not with AKT Activity. <i>Science Signaling</i> , 2012, 5, ra18.	3.6	107
38	PTEN: An Intercellular Peacekeeper?. <i>Science Signaling</i> , 2012, 5, pe50.	3.6	11
39	Distinct inactivation of PI3K signalling by PTEN and 5-phosphatases. <i>Advances in Biological Regulation</i> , 2012, 52, 205-213.	2.3	30
40	The PTEN and Myotubularin Phosphoinositide 3-Phosphatases: Linking Lipid Signalling to Human Disease. <i>Sub-Cellular Biochemistry</i> , 2012, 58, 281-336.	2.4	16
41	Non-genomic loss of PTEN function in cancer: not in my genes. <i>Trends in Pharmacological Sciences</i> , 2011, 32, 131-140.	8.7	137
42	A Screen for Novel Phosphoinositide 3-kinase Effector Proteins. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.003178.	3.8	26
43	Indirect mechanisms of carcinogenesis via downregulation of PTEN function. <i>Advances in Enzyme Regulation</i> , 2010, 50, 112-118.	2.6	13
44	Mechanism of Activation of PKB/Akt by the Protein Phosphatase Inhibitor Calyculin A. <i>Cell Biochemistry and Biophysics</i> , 2010, 58, 147-156.	1.8	6
45	Migration Stimulating Factor (MSF) promotes fibroblast migration by inhibiting AKT. <i>Cellular Signalling</i> , 2010, 22, 1655-1659.	3.6	11
46	Leptin Regulates AMPA Receptor Trafficking via PTEN Inhibition. <i>Journal of Neuroscience</i> , 2010, 30, 4088-4101.	3.6	104
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.	3.4	45
48	Prdx1 inhibits tumorigenesis via regulating PTEN/AKT activity. <i>EMBO Journal</i> , 2009, 28, 1505-1517.	7.8	302
49	MyosinV controls PTEN function and neuronal cell size. <i>Nature Cell Biology</i> , 2009, 11, 1191-1196.	10.3	82
50	The significance of PTEN's protein phosphatase activity. <i>Advances in Enzyme Regulation</i> , 2009, 49, 190-196.	2.6	47
51	P-REX2a Driving Tumorigenesis by PTEN Inhibition. <i>Science Signaling</i> , 2009, 2, pe68.	3.6	6
52	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. <i>Journal of Biological Chemistry</i> , 2008, 283, 27653-27667.	3.4	96
53	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.	8.2	403
54	Chemoresistant KM12C Colon Cancer Cells Are Addicted to Low Cyclic AMP Levels in a Phosphodiesterase 4-Regulated Compartment via Effects on Phosphoinositide 3-Kinase. <i>Cancer Research</i> , 2007, 67, 5248-5257.	0.9	68

#	ARTICLE	IF	CITATIONS
55	PTEN is destabilized by phosphorylation on Thr366. <i>Biochemical Journal</i> , 2007, 405, 439-444.	3.7	140
56	Substrate specificity and acute regulation of the tumour suppressor phosphatase, PTEN. <i>Biochemical Society Symposia</i> , 2007, 74, 69-80.	2.7	14
57	Differential redox regulation within the PTP superfamily. <i>Cellular Signalling</i> , 2007, 19, 1521-1530.	3.6	89
58	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.	3.9	178
59	Stimulation of PI 3-kinase signaling via inhibition of the tumor suppressor phosphatase, PTEN. <i>Advances in Enzyme Regulation</i> , 2007, 47, 184-194.	2.6	45
60	The Redox Regulation of PI 3-Kinase-Dependent Signaling. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1765-1774.	5.4	134
61	A novel leptin signalling pathway via PTEN inhibition in hypothalamic cell lines and pancreatic Î²-cells. <i>EMBO Journal</i> , 2006, 25, 2377-2387.	7.8	103
62	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.	2.0	137
63	Hypomorphic Mutation of PDK1 Suppresses Tumorigenesis in PTEN+/Δ ⁺ Mice. <i>Current Biology</i> , 2005, 15, 1839-1846.	3.9	141
64	Phosphoinositide-Dependent Protein Kinases. , 2004, , 292-296.		0
65	Small Molecule Antagonists of the Î²-1 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.	0.9	164
66	The TSC1-2 tumor suppressor controls insulin-PI3K signaling via regulation of IRS proteins. <i>Journal of Cell Biology</i> , 2004, 166, 213-223.	5.2	1,013
67	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.	3.4	25
68	PTEN function: how normal cells control it and tumour cells lose it. <i>Biochemical Journal</i> , 2004, 382, 1-11.	3.7	448
69	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.	3.7	63
70	The tumour-suppressor function of PTEN requires an N-terminal lipid-binding motif. <i>Biochemical Journal</i> , 2004, 379, 301-307.	3.7	144
71	Redox regulation of PI 3-kinase signalling via inactivation of PTEN. <i>EMBO Journal</i> , 2003, 22, 5501-5510.	7.8	536
72	PTEN: The down side of PI 3-kinase signalling. <i>Cellular Signalling</i> , 2002, 14, 285-295.	3.6	393

#	ARTICLE	IF	CITATIONS
73	Decreased insulin binding to mononuclear leucocytes and erythrocytes from dogs after S-nitroso-N-acetypenicillamine administration. BMC Biochemistry, 2002, 3, 1.	4.4	15
74	Cloning and characterisation of hAps1 and hAps2, human diadenosine polyphosphate-metabolising Nudix hydrolases. BMC Biochemistry, 2002, 3, 20.	4.4	39
75	Phosphoinositide-Regulated Kinases and Phosphoinositide Phosphatases. Chemical Reviews, 2001, 101, 2365-2380.	47.7	112
76	TPIP: a novel phosphoinositide 3-phosphatase. Biochemical Journal, 2001, 360, 277-283.	3.7	136
77	Targeting mutants of PTEN reveal distinct subsets of tumour suppressor functions. Biochemical Journal, 2001, 357, 427.	3.7	40
78	TPIP: a novel phosphoinositide 3-phosphatase. Biochemical Journal, 2001, 360, 277.	3.7	95
79	Targeting mutants of PTEN reveal distinct subsets of tumour suppressor functions. Biochemical Journal, 2001, 357, 427-435.	3.7	61
80	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.	3.7	22
81	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.	3.7	74
82	$\hat{\text{I}}^{21}$ -Integrin and PTEN control the phosphorylation of protein kinase C. Biochemical Journal, 2000, 352, 425-433.	3.7	31
83	A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B. Biochemical Journal, 2000, 352, 617-622.	3.7	49