Nullin Divecha

List of Publications by Year
in descending order

91 papers	8,292 citations	57758 44 h-index	48315 88 g-index
93 all docs	93 docs citations	93 times ranked	8524 citing authors

#	Article	IF	Citations
1	Identification and optimization of a novel series of selective PIP5K inhibitors. Bioorganic and Medicinal Chemistry, 2022, 54, 116557.	3.0	5
2	â€œModulating Phosphoinositide Profiles as a Roadmap for Treatment in Acute Myeloid Leukemiaâ€• Frontiers in Oncology, 2021, 11, 678824.	2.8	5
3	PIP4Ks impact on PI3K, FOXP3, and UHRF1 signaling and modulate human regulatory T cell proliferation and immunosuppressive activity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
4	Proteomic characterization of GSK3Î² knockout shows altered cell adhesion and metabolic pathway utilisation in colorectal cancer cells. PLoS ONE, 2021, 16, e0246707.	2.5	0
5	Deep proteomic analysis of Dnmt1 mutant/hypomorphic colorectal cancer cells reveals dysregulation of epithelialâ€“mesenchymal transition and subcellular re-localization of Beta-Catenin. Epigenetics, 2020, 15, 107-121.	2.7	4
6	Exploring the controversial role of PI3K signalling in CD4+ regulatory T (T-Reg) cells. Advances in Biological Regulation, 2020, 76, 100722.	2.3	5
7	Proteomic Analysis of Azacitidine-Induced Degradation Profiles Identifies Multiple Chromatin and Epigenetic Regulators Including Uhrf1 and Dnmt1 as Sensitive to Azacitidine. Journal of Proteome Research, 2019, 18, 1032-1042.	3.7	9
8	Phosphatidylinositol 5 Phosphate (PI5P): From Behind the Scenes to the Front (Nuclear) Stage. International Journal of Molecular Sciences, 2019, 20, 2080.	4.1	28
9	Phosphatidylinositol-5-Phosphate 4-Kinases Regulate Cellular Lipid Metabolism By Facilitating Autophagy. Molecular Cell, 2018, 70, 531-544.e9.	9.7	68
10	PIP4K2B: Coupling GTP Sensing to PtdIns5P Levels to Regulate Tumorigenesis. Trends in Biochemical Sciences, 2016, 41, 473-475.	7.5	3
11	Phosphoinositides in the nucleus and myogenic differentiation: how a nuclear turtle with a PHD builds muscle. Biochemical Society Transactions, 2016, 44, 299-306.	3.4	3
12	The Basal Transcription Complex Component TAF3 Transduces Changes in Nuclear Phosphoinositides into Transcriptional Output. Molecular Cell, 2015, 58, 453-467.	9.7	67
13	PIP4K and the role of nuclear phosphoinositides in tumour suppression. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 898-910.	2.4	58
14	A targeted knockdown screen of genes coding for phosphoinositide modulators identifies PIP4K2A as required for acute myeloid leukemia cell proliferation and survival. Oncogene, 2015, 34, 1253-1262.	5.9	76
15	Accessibility of Different Histone H3-Binding Domains of UHRF1 Is Allosterically Regulated by Phosphatidylinositol 5-Phosphate. Molecular Cell, 2014, 54, 905-919.	9.7	108
16	The hexosamine biosynthesis pathway and Oâ€Glc<scp>NA</scp>cylation maintain insulinâ€stimulated <scp>PI</scp>3Kâ€<scp>PKB</scp> phosphorylation and tumour cell growth after shortâ€term glucose deprivation. FEBS Journal, 2014, 281, 3591-3608.	4.7	26
17	PtdIns5 P is an oxidative stressâ€induced second messenger that regulates PKB activation. FASEB Journal, 2013, 27, 1644-1656.	0.5	52
18	Role of phosphatidylinositol 5-phosphate 4-kinase Î± in zebrafish development. International Journal of Biochemistry and Cell Biology, 2013, 45, 1293-1301.	2.8	17

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19	PtdIns5P and Pin1 in oxidative stress signaling. Advances in Biological Regulation, 2013, 53, 179-189.	2.3	35
20	Measurement of phosphoinositides in the zebrafish Danio rerio. Nature Protocols, 2013, 8, 1058-1072.	12.0	28
21	Low PIP4K2B Expression in Human Breast Tumors Correlates with Reduced Patient Survival: A Role for PIP4K2B in the Regulation of E-Cadherin Expression. Cancer Research, 2013, 73, 6913-6925.	0.9	41
22	Collaboration of AMPK and PKC to induce phosphorylation of Ser413 on PIP5K1B resulting in decreased kinase activity and reduced PtdIns(4,5)P2 synthesis in response to oxidative stress and energy restriction. Biochemical Journal, 2013, 455, 347-358.	3.7	10
23	Nuclear phosphoinositides and their impact on nuclear functions. FEBS Journal, 2013, 280, 6295-6310.	4.7	82
24	Phosphatidylinositol 5-phosphate 4-kinase (PIP4K) regulates TOR signaling and cell growth during Drosophila development. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5963-5968.	7.1	66
25	Impaired neural development in a zebrafish model for Lowe syndrome. Human Molecular Genetics, 2012, 21, 1744-1759.	2.9	69
26	Centralspindlin links the mitotic spindle to the plasma membrane during cytokinesis. Nature, 2012, 492, 276-279.	27.8	131
27	Regulation of Phosphatidylinositol-5-Phosphate Signaling by Pin1 Determines Sensitivity to Oxidative Stress. Science Signaling, 2012, 5, ra86.	3.6	38
28	Diacylglycerol kinase Î¸ counteracts protein kinase C-mediated inactivation of the EGF receptor. International Journal of Biochemistry and Cell Biology, 2012, 44, 1791-1799.	2.8	8
29	Divergent functions of the myotubularin (MTM) homologs AtMTM1 and AtMTM2 in Arabidopsis thaliana: evolution of the plant MTM family. Plant Journal, 2012, 70, 866-878.	5.7	20
30	Nuclear Phosphoinositides: Location, Regulation and Function. Sub-Cellular Biochemistry, 2012, 59, 335-361.	2.4	34
31	Phosphoinositide signalling in the nucleus. Advances in Enzyme Regulation, 2011, 51, 91-99.	2.6	42
32	Class II Phosphoinositide 3-Kinase Regulates Exocytosis of Insulin Granules in Pancreatic Î² Cells. Journal of Biological Chemistry, 2011, 286, 4216-4225.	3.4	130
33	Identification of Nuclear Phosphatidylinositol 4,5-Bisphosphate-Interacting Proteins by Neomycin Extraction. Molecular and Cellular Proteomics, 2011, 10, S1-S15.	3.8	107
34	Phosphoinositide phosphatase SHIP-1 regulates apoptosis induced by edelfosine, Fas ligation and DNA damage in mouse lymphoma cells. Biochemical Journal, 2011, 440, 127-135.	3.7	9
35	PIP4KÎ² interacts with and modulates nuclear localization of the high-activity PtdIns5P-4-kinase isoform PIP4KÎ±. Biochemical Journal, 2010, 430, 223-235.	3.7	99
36	Lipid Kinases: Charging PtdIns(4,5)P2 Synthesis. Current Biology, 2010, 20, R154-R157.	3.9	14

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37	Rac controls PIP5K localisation and PtdIns(4,5)P2 synthesis, which modulates vinculin localisation and neurite dynamics. Journal of Cell Science, 2010, 123, 3535-3546.	2.0	41
38	Methods to Assess Changes in the Pattern of Nuclear Phosphoinositides. Methods in Molecular Biology, 2010, 645, 165-177.	0.9	2
39	Phosphatidylinositol 5-Phosphate Links Dehydration Stress to the Activity of ARABIDOPSIS TRITHORAX-LIKE Factor ATX1. PLoS ONE, 2010, 5, e13396.	2.5	55
40	PIP5K-driven PtdIns(4,5)P2 synthesis: regulation and cellular functions. Journal of Cell Science, 2009, 122, 3837-3850.	2.0	265
41	Methods for the Determination of the Mass of Nuclear PtdIns4P, PtdIns5P, and PtdIns(4,5)P 2. Methods in Molecular Biology, 2009, 462, 1-14.	0.9	8
42	Assaying Endogenous Phosphatidylinositol-4-Phosphate 5-Kinase (PIP5K) Activities. Methods in Molecular Biology, 2009, 462, 1-12.	0.9	0
43	Is there a role for diacylglycerol kinase-Î¶ in cell cycle regulation?. Advances in Enzyme Regulation, 2008, 48, 31-39.	2.6	5
44	Investigation into the mechanism regulating MRP localization. Experimental Cell Research, 2008, 314, 330-341.	2.6	4
45	Overexpression of PPK-1, the Caenorhabditis elegans Type I PIP kinase, inhibits growth cone collapse in the developing nervous system and causes axonal degeneration in adults. Developmental Biology, 2008, 313, 384-397.	2.0	34
46	A Casein Kinase 1 and PAR Proteins Regulate Asymmetry of a PIP2 Synthesis Enzyme for Asymmetric Spindle Positioning. Developmental Cell, 2008, 15, 198-208.	7.0	76
47	Regulation of connexin43 gap junctional communication by phosphatidylinositol 4,5-bisphosphate. Journal of Cell Biology, 2007, 177, 881-891.	5.2	74
48	Use of the GRP1 PH domain as a tool to measure the relative levels of PtdIns(3,4,5)P3 through a protein-lipid overlay approach. Journal of Lipid Research, 2007, 48, 726-732.	4.2	27
49	Intravital imaging of fluorescent markers and FRET probes by DNA tattooing. BMC Biotechnology, 2007, 7, 2.	3.3	23
50	Protein kinase C inhibits binding of diacylglycerol kinase-Î¶ to the retinoblastoma protein. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 352-357.	4.1	17
51	Evaluation and Optimization of ZIC-HILIC-RP as an Alternative MudPIT Strategy. Journal of Proteome Research, 2007, 6, 937-946.	3.7	182
52	Nuclear PtdIns5P as a Transducer of Stress Signaling: An In Vivo Role for PIP4Kbeta. Molecular Cell, 2006, 23, 685-695.	9.7	194
53	Long-term starvation and ageing induce AGE-1/PI 3-kinase-dependent translocation of DAF-16/FOXO to the cytoplasm. BMC Biology, 2006, 4, 1.	3.8	118
54	Visualization of PtdIns3Pdynamics in living plant cells. Plant Journal, 2006, 47, 687-700.	5.7	245

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55	A Role for PtdIns(4,5)P2 and PIP5KÎ± in Regulating Stress-Induced Apoptosis. Current Biology, 2006, 16, 1850-1856.	3.9	44
56	The Retinoblastoma Family Proteins Bind to and Activate Diacylglycerol KinaseÎ¶. Journal of Biological Chemistry, 2006, 281, 858-866.	3.4	51
57	Translocation of Diacylglycerol Kinase Î¸ from Cytosol to Plasma Membrane in Response to Activation of G Protein-coupled Receptors and Protein Kinase C. Journal of Biological Chemistry, 2005, 280, 9870-9878.	3.4	70
58	An emerging role for PtdIns(4,5)P2-mediated signalling in human disease. Trends in Pharmacological Sciences, 2005, 26, 654-660.	8.7	86
59	Of yeast and men. EMBO Reports, 2004, 5, 865-866.	4.5	6
60	Linking lipids to chromatin. Current Opinion in Genetics and Development, 2004, 14, 196-202.	3.3	68
61	Structureâ€“activity relationship of diacylglycerol kinase Î¸. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2004, 1636, 169-174.	2.4	35
62	Mammalian SIRT1 Represses Forkhead Transcription Factors. Cell, 2004, 116, 551-563.	28.9	1,284
63	The PHD Finger of the Chromatin-Associated Protein ING2 Functions as a Nuclear Phosphoinositide Receptor. Cell, 2003, 114, 99-111.	28.9	467
64	The C-terminal Domain of Rac1 Contains Two Motifs That Control Targeting and Signaling Specificity. Journal of Biological Chemistry, 2003, 278, 39166-39175.	3.4	98
65	T lymphocyte nuclear diacylglycerol is derived from both de novo synthesis and phosphoinositide hydrolysis. International Journal of Biochemistry and Cell Biology, 2002, 34, 158-168.	2.8	14
66	Essential Role of Type IÎ± Phosphatidylinositol 4-Phosphate 5-Kinase in Neurite Remodeling. Current Biology, 2002, 12, 241-245.	3.9	68
67	Type I PIPkinases Interact with and Are Regulated by the Retinoblastoma Susceptibility Gene Productâ€”pRB. Current Biology, 2002, 12, 582-587.	3.9	41
68	The FYVE domain in Smad anchor for receptor activation (SARA) is sufficient for localization of SARA in early endosomes and regulates TGFâ€Î²2/Smad signalling. Genes To Cells, 2002, 7, 321-331.	1.2	137
69	Inositol lipids are regulated during cell cycle progression in the nuclei of murine erythroleukaemia cells. Biochemical Journal, 2001, 357, 905.	3.7	89
70	Identification of a new polyphosphoinositide in plants, phosphatidylinositol 5-monophosphate (PtdIns5P), and its accumulation upon osmotic stress. Biochemical Journal, 2001, 360, 491.	3.7	81
71	Inositol lipids are regulated during cell cycle progression in the nuclei of murine erythroleukaemia cells. Biochemical Journal, 2001, 357, 905-910.	3.7	143
72	Identification of a new polyphosphoinositide in plants, phosphatidylinositol 5-monophosphate (PtdIns5P), and its accumulation upon osmotic stress. Biochemical Journal, 2001, 360, 491-498.	3.7	106

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73	Nuclear targeting of the Î² isoform of Type II phosphatidylinositol phosphate kinase (phosphatidylinositol 5-phosphate 4-kinase) by its Î±-helix 7. Biochemical Journal, 2000, 346, 587.	3.7	33
74	Nuclear targeting of the Î² isoform of Type II phosphatidylinositol phosphate kinase (phosphatidylinositol 5-phosphate 4-kinase) by its Î±-helix 7. Biochemical Journal, 2000, 346, 587-591.	3.7	113
75	7 DNA-dependent protein kinase and related proteins. , 1999, , 91-104.		23
76	Hyperosmotic stress induces rapid synthesis of phosphatidyl- D -inositol 3,5-bisphosphate in plant cells. Planta, 1999, 208, 294-298.	3.2	132
77	Multivesicular body morphogenesis requires phosphatidyl-inositol 3-kinase activity. Current Biology, 1999, 9, 55-58.	3.9	203
78	Nuclei contain two differentially regulated pools of diacylglycerol. Current Biology, 1999, 9, 437-440.	3.9	84
79	Regulation of type IIÎ± phosphatidylinositol phosphate kinase localisation by the protein kinase CK2. Current Biology, 1999, 9, 983-S1.	3.9	48
80	Marked for nuclear export?. Nature, 1998, 394, 619-620.	27.8	15
81	Regulation of PtdIns4P 5-kinase C by thrombin-stimulated changes in its phosphorylation state in human platelets. Biochemical Journal, 1998, 329, 115-119.	3.7	31
82	Metabolism and possible compartmentalization of inositol lipids in isolated rat-liver nuclei. Biochemical Journal, 1997, 327, 569-576.	3.7	130
83	Phospholipases in the nucleus. Seminars in Cell and Developmental Biology, 1997, 8, 323-331.	5.0	17
84	Cloning and characterisation of two new cDNAs encoding murine triple LIM domains. Gene, 1995, 156, 283-286.	2.2	16
85	Phospholipid signaling. Cell, 1995, 80, 269-278.	28.9	629
86	DNA-dependent protein kinase catalytic subunit: A relative of phosphatidylinositol 3-kinase and the ataxia telangiectasia gene product. Cell, 1995, 82, 849-856.	28.9	712
87	Inositides and the nucleus and inositides in the nucleus. Cell, 1993, 74, 405-407.	28.9	227
88	Unclear or nuclear: another role for the phosphatidylinositol cycle?. Biochemical Society Transactions, 1993, 21, 877-878.	3.4	7
89	Phospholipids in the nucleusâ€"metabolism and possible functions. Seminars in Cell Biology, 1992, 3, 225-235.	3.4	68
90	Molecular species analysis of 1,2-diacylglycerols and phosphatidic acid formed during bombesin stimulation of Swiss 3T3 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1991, 1093, 184-188.	4.1	18

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91	Basic proline-rich proteins of murine parotid glands. Induction of mRNA by isoprenaline and post-secretion processing. FEBS Journal, 1989, 181, 371-379.	0.2	9