

Nathalie Lamarche-Vane

List of Publications by Year in descending order

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2,527
citations

236925

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42
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all docs

42
docs citations

42
times ranked

3519
citing authors

#	ARTICLE	IF	CITATIONS
1	Microexon alternative splicing of small GTPase regulators: Implication in central nervous system diseases. Wiley Interdisciplinary Reviews RNA, 2022, 13, e1678.	6.4	6
2	Discovery of a dual Ras and ARF6 inhibitor from a GPCR endocytosis screen. Nature Communications, 2021, 12, 4688.	12.8	7
3	CdGAP promotes prostate cancer metastasis by regulating epithelial-to-mesenchymal transition, cell cycle progression, and apoptosis. Communications Biology, 2021, 4, 1042.	4.4	9
4	The calcium-activated protease calpain regulates netrin-1 receptor deleted in colorectal cancer-induced axon outgrowth in cortical neurons. Journal of Neurochemistry, 2020, 152, 315-332.	3.9	4
5	The chemokine CCL7 regulates invadopodia maturation and MMP-9 mediated collagen degradation in liver-metastatic carcinoma cells. Cancer Letters, 2020, 483, 98-113.	7.2	25
6	QUAKING Regulates Microexon Alternative Splicing of the Rho GTPase Pathway and Controls Microglia Homeostasis. Cell Reports, 2020, 33, 108560.	6.4	19
7	Regulators of Rho GTPases in the Nervous System: Molecular Implication in Axon Guidance and Neurological Disorders. International Journal of Molecular Sciences, 2019, 20, 1497.	4.1	32
8	Collagen IV-conveyed signals can regulate chemokine production and promote liver metastasis. Oncogene, 2018, 37, 3790-3805.	5.9	40
9	CdGAP/ARHGAP31 is regulated by RSK phosphorylation and binding to 14-3-3 β adaptor protein. Oncotarget, 2018, 9, 11646-11664.	1.8	10
10	Neuraminidases 3 and 4 regulate neuronal function by catabolizing brain gangliosides. FASEB Journal, 2017, 31, 3467-3483.	0.5	46
11	A Point Mutation in p190A RhoGAP Affects Ciliogenesis and Leads to Glomerulocystic Kidney Defects. PLoS Genetics, 2016, 12, e1005785.	3.5	21
12	Decrease of SYNGAP1 in GABAergic cells impairs inhibitory synapse connectivity, synaptic inhibition and cognitive function. Nature Communications, 2016, 7, 13340.	12.8	70
13	p120RasGAP Protein Mediates Netrin-1 Protein-induced Cortical Axon Outgrowth and Guidance. Journal of Biological Chemistry, 2016, 291, 4589-4602.	3.4	11
14	Direct measurement of oscillatory RhoA activity in embryonic cortical neurons stimulated with the axon guidance cue netrin-1 using fluorescence resonance energy transfer. Biology of the Cell, 2016, 108, 115-126.	2.0	11
15	CdGAP/ARHGAP31, a Cdc42/Rac1 GTPase regulator, is critical for vascular development and VEGF-mediated angiogenesis. Scientific Reports, 2016, 6, 27485.	3.3	24
16	CUX2 Protein Functions as an Accessory Factor in the Repair of Oxidative DNA Damage. Journal of Biological Chemistry, 2015, 290, 22520-22531.	3.4	45
17	Hsc70 chaperone activity underlies Trio GEF function in axon growth and guidance induced by netrin-1. Journal of Cell Biology, 2015, 210, 817-832.	5.2	34
18	Rho GTPases in embryonic development. Small GTPases, 2014, 5, e972857.	1.6	41

#	ARTICLE	IF	CITATIONS
19	Rho GTPases in neurodegeneration diseases. <i>Experimental Cell Research</i> , 2013, 319, 2384-2394.	2.6	38
20	Tyrosine Phosphorylation of the Rho Guanine Nucleotide Exchange Factor Trio Regulates Netrin-1/DCC-Mediated Cortical Axon Outgrowth. <i>Molecular and Cellular Biology</i> , 2013, 33, 739-751.	2.3	59
21	A Stretch of Polybasic Residues Mediates Cdc42 GTPase-activating Protein (CdGAP) Binding to Phosphatidylinositol 3,4,5-Trisphosphate and Regulates Its GAP Activity. <i>Journal of Biological Chemistry</i> , 2012, 287, 19610-19621.	3.4	13
22	Implication of Rho GTPases in Neurodegenerative Diseases. <i>Current Drug Targets</i> , 2011, 12, 1202-1215.	2.1	28
23	Cdc42 GTPase-activating protein (CdGAP) interacts with the SH3D domain of Intersectin through a novel basic-rich motif. <i>FEBS Letters</i> , 2011, 585, 847-853.	2.8	11
24	Gain-of-Function Mutations of ARHGAP31, a Cdc42/Rac1 GTPase Regulator, Cause Syndromic Cutis Aplasia and Limb Anomalies. <i>American Journal of Human Genetics</i> , 2011, 88, 574-585.	6.2	100
25	The activation of ezrin/radixin/moesin proteins is regulated by netrin-1 through Src kinase and RhoA/Rho kinase activities and mediates netrin-1-induced axon outgrowth. <i>Molecular Biology of the Cell</i> , 2011, 22, 3734-3746.	2.1	44
26	An Adaptor Role for Cytoplasmic Sam68 in Modulating Src Activity during Cell Polarization. <i>Molecular and Cellular Biology</i> , 2009, 29, 1933-1943.	2.3	45
27	Spatial and temporal activation of the small GTPases RhoA and Rac1 by the netrin-1 receptor UNC5a during neurite outgrowth. <i>Cellular Signalling</i> , 2009, 21, 1961-1973.	3.6	45
28	Compartmentalized DCC signalling is distinct from DCC localized to lipid rafts. <i>Biology of the Cell</i> , 2009, 101, 77-90.	2.0	26
29	Trio Mediates Netrin-1-Induced Rac1 Activation in Axon Outgrowth and Guidance. <i>Molecular and Cellular Biology</i> , 2008, 28, 2314-2323.	2.3	128
30	Glycogen Synthase Kinase-3 Phosphorylates CdGAP at a Consensus ERK 1 Regulatory Site. <i>Journal of Biological Chemistry</i> , 2007, 282, 3624-3631.	3.4	8
31	Current knowledge of the large RhoGAP family of proteins. <i>Biology of the Cell</i> , 2007, 99, 67-86.	2.0	390
32	CdGAP Associates with Actopaxin to Regulate Integrin-Dependent Changes in Cell Morphology and Motility. <i>Current Biology</i> , 2006, 16, 1375-1385.	3.9	51
33	The human orthologue of CdGAP is a phosphoprotein and a GTPase-activating protein for Cdc42 and Rac1 but not RhoA. <i>Biology of the Cell</i> , 2006, 98, 445-456.	2.0	28
34	Extracellular Signal-Regulated Kinase 1 Interacts with and Phosphorylates CdGAP at an Important Regulatory Site. <i>Molecular and Cellular Biology</i> , 2005, 25, 6314-6329.	2.3	40
35	A Novel Testicular RhoGAP-Domain Protein Induces Apoptosis1. <i>Biology of Reproduction</i> , 2004, 71, 1980-1990.	2.7	13
36	Phosphorylation of DCC by Fyn mediates Netrin-1 signaling in growth cone guidance. <i>Journal of Cell Biology</i> , 2004, 167, 687-698.	5.2	112

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37	Rac1 and Cdc42 but Not RhoA or Rho Kinase Activities Are Required for Neurite Outgrowth Induced by the Netrin-1 Receptor DCC (Deleted in Colorectal Cancer) in N1E-115 Neuroblastoma Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 15207-15214.	3.4	167
38	The Adaptor Protein Nck-1 Couples the Netrin-1 Receptor DCC (Deleted in Colorectal Cancer) to the Activation of the Small GTPase Rac1 through an Atypical Mechanism. <i>Journal of Biological Chemistry</i> , 2002, 277, 37788-37797.	3.4	98
39	The Activity of the GTPase-activating Protein CdGAP Is Regulated by the Endocytic Protein Intersectin. <i>Journal of Biological Chemistry</i> , 2002, 277, 6366-6373.	3.4	76
40	Endocytic protein intersectin-1 regulates actin assembly via Cdc42 and N-WASP. <i>Nature Cell Biology</i> , 2001, 3, 927-932.	10.3	337
41	Activation of the Small GTPase Rac Is Sufficient to Disrupt Cadherin-dependent Cell-Cell Adhesion in Normal Human Keratinocytes. <i>Molecular Biology of the Cell</i> , 2000, 11, 3703-3721.	2.1	143
42	CdGAP, a Novel Proline-rich GTPase-activating Protein for Cdc42 and Rac. <i>Journal of Biological Chemistry</i> , 1998, 273, 29172-29177.	3.4	72