

Nathalie Lamarche-Vane

List of Publications by Year in descending order

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42
papers

2,527
citations

236925

25
h-index

265206

42
g-index

42
all docs

42
docs citations

42
times ranked

3519
citing authors

#	ARTICLE	IF	CITATIONS
1	Current knowledge of the large RhoGAP family of proteins. <i>Biology of the Cell</i> , 2007, 99, 67-86.	2.0	390
2	Endocytic protein intersectin-1 regulates actin assembly via Cdc42 and N-WASP. <i>Nature Cell Biology</i> , 2001, 3, 927-932.	10.3	337
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Decrease of SYNGAP1 in GABAergic cells impairs inhibitory synapse connectivity, synaptic inhibition and cognitive function. <i>Nature Communications</i> , 2016, 7, 13340.	12.8	70
12	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
13	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
14	Neuraminidases 3 and 4 regulate neuronal function by catabolizing brain gangliosides. <i>FASEB Journal</i> , 2017, 31, 3467-3483.	0.5	46
15	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
16	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
17	CUX2 Protein Functions as an Accessory Factor in the Repair of Oxidative DNA Damage. <i>Journal of Biological Chemistry</i> , 2015, 290, 22520-22531.	3.4	45
18	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

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19	Rho GTPases in embryonic development. <i>Small GTPases</i> , 2014, 5, e972857.	1.6	41
20	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
21	Collagen IV-conveyed signals can regulate chemokine production and promote liver metastasis. <i>Oncogene</i> , 2018, 37, 3790-3805.	5.9	40
22	Rho GTPases in neurodegeneration diseases. <i>Experimental Cell Research</i> , 2013, 319, 2384-2394.	2.6	38
23	Hsc70 chaperone activity underlies Trio GEF function in axon growth and guidance induced by netrin-1. <i>Journal of Cell Biology</i> , 2015, 210, 817-832.	5.2	34
24	Regulators of Rho GTPases in the Nervous System: Molecular Implication in Axon Guidance and Neurological Disorders. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1497.	4.1	32
25	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
26	Implication of Rho GTPases in Neurodegenerative Diseases. <i>Current Drug Targets</i> , 2011, 12, 1202-1215.	2.1	28
27	Compartmentalized DCC signalling is distinct from DCC localized to lipid rafts. <i>Biology of the Cell</i> , 2009, 101, 77-90.	2.0	26
28	The chemokine CCL7 regulates invadopodia maturation and MMP-9 mediated collagen degradation in liver-metastatic carcinoma cells. <i>Cancer Letters</i> , 2020, 483, 98-113.	7.2	25
29	CdGAP/ARHGAP31, a Cdc42/Rac1 GTPase regulator, is critical for vascular development and VEGF-mediated angiogenesis. <i>Scientific Reports</i> , 2016, 6, 27485.	3.3	24
30	A Point Mutation in p190A RhoGAP Affects Ciliogenesis and Leads to Glomerulocystic Kidney Defects. <i>PLoS Genetics</i> , 2016, 12, e1005785.	3.5	21
31	QUAKING Regulates Microexon Alternative Splicing of the Rho GTPase Pathway and Controls Microglia Homeostasis. <i>Cell Reports</i> , 2020, 33, 108560.	6.4	19
32	A Novel Testicular RhoGAP-Domain Protein Induces Apoptosis1. <i>Biology of Reproduction</i> , 2004, 71, 1980-1990.	2.7	13
33	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
34	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
35	p120RasGAP Protein Mediates Netrin-1 Protein-induced Cortical Axon Outgrowth and Guidance. <i>Journal of Biological Chemistry</i> , 2016, 291, 4589-4602.	3.4	11
36	Direct measurement of oscillatory RhoA activity in embryonic cortical neurons stimulated with the axon guidance cue netrin-1 using fluorescence resonance energy transfer. <i>Biology of the Cell</i> , 2016, 108, 115-126.	2.0	11

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37	CdGAP/ARHGAP31 is regulated by RSK phosphorylation and binding to 14-3-3 ² adaptor protein. <i>Oncotarget</i> , 2018, 9, 11646-11664.	1.8	10
38	CdGAP promotes prostate cancer metastasis by regulating epithelial-to-mesenchymal transition, cell cycle progression, and apoptosis. <i>Communications Biology</i> , 2021, 4, 1042.	4.4	9
39	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
40	Discovery of a dual Ras and ARF6 inhibitor from a GPCR endocytosis screen. <i>Nature Communications</i> , 2021, 12, 4688.	12.8	7
41	Microexon alternative splicing of small GTPase regulators: Implication in central nervous system diseases. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1678.	6.4	6
42	The calcium-activated protease calpain regulates netrin-1 receptor deleted in colorectal cancer-induced axon outgrowth in cortical neurons. <i>Journal of Neurochemistry</i> , 2020, 152, 315-332.	3.9	4