

Jean-François Côté

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,900
citations

147801

31
h-index

149698

56
g-index

62
all docs

62
docs citations

62
times ranked

5505
citing authors

#	ARTICLE	IF	CITATIONS
1	POGZ promotes homology-directed DNA repair in an HP1-dependent manner. <i>EMBO Reports</i> , 2022, 23, e51041.	4.5	9
2	Defining the interactomes of proteins involved in cytoskeletal dynamics using high-throughput proximity-dependent biotinylation in cellulose. <i>STAR Protocols</i> , 2022, 3, 101075.	1.2	4
3	AXL Receptor Tyrosine Kinase as a Promising Therapeutic Target Directing Multiple Aspects of Cancer Progression and Metastasis. <i>Cancers</i> , 2022, 14, 466.	3.7	20
4	Interphase microtubule disassembly is a signaling cue that drives cell rounding at mitotic entry. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	10
5	Biallelic ELMO3 mutations and loss of function for DOCK-mediated RAC1 activation result in intellectual disability. <i>Small GTPases</i> , 2021, , 1-8.	1.6	3
6	Strength Through Unity: The Power of the Mega-Scaffold MACF1. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 641727.	3.7	11
7	ARL15 modulates magnesium homeostasis through N-glycosylation of CNNMs. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5427-5445.	5.4	18
8	Targeting Axl favors an antitumorigenic microenvironment that enhances immunotherapy responses by decreasing Hif-1 α levels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	42
9	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
10	GFI1 tethers the NuRD complex to open and transcriptionally active chromatin in myeloid progenitors. <i>Communications Biology</i> , 2021, 4, 1356.	4.4	6
11	Mapping the proximity interaction network of the Rho-family GTPases reveals signalling pathways and regulatory mechanisms. <i>Nature Cell Biology</i> , 2020, 22, 120-134.	10.3	123
12	Structure of the DOCK2-ELMO1 complex provides insights into regulation of the auto-inhibited state. <i>Nature Communications</i> , 2020, 11, 3464.	12.8	34
13	AXL confers cell migration and invasion by hijacking a PEA3-regulated focal adhesion protein network. <i>Nature Communications</i> , 2020, 11, 3586.	12.8	37
14	Neutrophil extracellular traps target senescent vasculature for tissue remodeling in retinopathy. <i>Science</i> , 2020, 369, .	12.6	139
15	Shedding of cancer susceptibility candidate 4 by the convertases PC7/furin unravels a novel secretory protein implicated in cancer progression. <i>Cell Death and Disease</i> , 2020, 11, 665.	6.3	10
16	The endosomal sorting adaptor HD-PTP is required for ephrin-B:EphB signalling in cellular collapse and spinal motor axon guidance. <i>Scientific Reports</i> , 2019, 9, 11945.	3.3	17
17	AXL knockdown gene signature reveals a drug repurposing opportunity for a class of antipsychotics to reduce growth and metastasis of triple-negative breast cancer. <i>Oncotarget</i> , 2019, 10, 2055-2067.	1.8	32
18	Gfi1b regulates the level of Wnt/ β -catenin signaling in hematopoietic stem cells and megakaryocytes. <i>Nature Communications</i> , 2019, 10, 1270.	12.8	31

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19	GFI1 facilitates efficient DNA repair by regulating PRMT1 dependent methylation of MRE11 and 53BP1. Nature Communications, 2018, 9, 1418.	12.8	42
20	The E3 Ubiquitin Ligase HectD1 Suppresses EMT and Metastasis by Targeting the TIP ACF7 for Degradation. Cell Reports, 2018, 22, 1016-1030.	6.4	39
21	High-Density Proximity Mapping Reveals the Subcellular Organization of mRNA-Associated Granules and Bodies. Molecular Cell, 2018, 69, 517-532.e11.	9.7	583
22	The Receptor Tyrosine Kinase AXL Is Required at Multiple Steps of the Metastatic Cascade during HER2-Positive Breast Cancer Progression. Cell Reports, 2018, 23, 1476-1490.	6.4	127
23	Spatiotemporal regulation of the GPCR activity of BAI3 by C1qL4 and Stabilin-2 controls myoblast fusion. Nature Communications, 2018, 9, 4470.	12.8	40
24	SHLD2/FAM35A cooperates with REV7 to coordinate DNA double-strand break repair pathway choice. EMBO Journal, 2018, 37, .	7.8	111
25	Polarized Dock Activity Drives Shh-Mediated Axon Guidance. Developmental Cell, 2018, 46, 410-425.e7.	7.0	32
26	A licensing step links AID to transcription elongation for mutagenesis in B cells. Nature Communications, 2018, 9, 1248.	12.8	35
27	Cell adhesion controlled by adhesion G protein-coupled receptor GPR124/ADGRA2 is mediated by a protein complex comprising intersectins and Elmo2/Dock. Journal of Biological Chemistry, 2017, 292, 12178-12191.	3.4	24
28	Rac1 activation in podocytes induces the spectrum of nephrotic syndrome. Kidney International, 2017, 92, 349-364.	5.2	53
29	Elmo2 Is a Regulator of Insulin-dependent Glut4 Membrane Translocation. Journal of Biological Chemistry, 2016, 291, 16150-16161.	3.4	9
30	ClipR-59 Interacts with Elmo2 and Modulates Myoblast Fusion. Journal of Biological Chemistry, 2015, 290, 6130-6140.	3.4	7
31	Axl Phosphorylates Elmo Scaffold Proteins To Promote Rac Activation and Cell Invasion. Molecular and Cellular Biology, 2015, 35, 76-87.	2.3	64
32	G-protein coupled receptor BAI3 promotes myoblast fusion in vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3745-3750.	7.1	105
33	Insights into the biological functions of Dock family guanine nucleotide exchange factors. Genes and Development, 2014, 28, 533-547.	5.9	129
34	NSCLC metastasis: going with ELMO3. Oncotarget, 2014, 5, 5850-5851.	1.8	10
35	Phosphatidic Acid-dependent Recruitment and Function of the Rac Activator DOCK1 during Dorsal Ruffle Formation. Journal of Biological Chemistry, 2013, 288, 8092-8100.	3.4	46
36	The Rac-specific exchange factors Dock1 and Dock5 are dispensable for the establishment of the glomerular filtration barrier in vivo. Small GTPases, 2013, 4, 221-230.	1.6	9

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37	Rac-specific guanine nucleotide exchange factor DOCK1 is a critical regulator of HER2-mediated breast cancer metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7434-7439.	7.1	87
38	Ras GTPases™ interaction with effector domains. Communicative and Integrative Biology, 2013, 6, e24298.	1.4	12
39	ELMO Recruits Actin Cross-linking Family 7 (ACF7) at the Cell Membrane for Microtubule Capture and Stabilization of Cellular Protrusions. Journal of Biological Chemistry, 2013, 288, 1184-1199.	3.4	38
40	Formation of a PKC β /p12-catenin complex in endothelial cells promotes angiopoietin-1-induced collective directional migration and angiogenic sprouting. Blood, 2012, 120, 3371-3381.	1.4	33
41	The Rac1 exchange factor Dock5 is essential for bone resorption by osteoclasts. Journal of Bone and Mineral Research, 2011, 26, 1099-1110.	2.8	106
42	Opening up on ELMO regulation. Small GTPases, 2011, 2, 268-275.	1.6	43
43	The Arf Family GTPase Arl4A Complexes with ELMO Proteins to Promote Actin Cytoskeleton Remodeling and Reveals a Versatile Ras-binding Domain in the ELMO Proteins Family. Journal of Biological Chemistry, 2011, 286, 38969-38979.	3.4	42
44	An Evolutionarily Conserved Autoinhibitory Molecular Switch in ELMO Proteins Regulates Rac Signaling. Current Biology, 2010, 20, 2021-2027.	3.9	49
45	Structural Basis of Membrane Targeting by the Dock180 Family of Rho Family Guanine Exchange Factors (Rho-GEFs). Journal of Biological Chemistry, 2010, 285, 13211-13222.	3.4	59
46	DOCK180 Is a Rac Activator That Regulates Cardiovascular Development by Acting Downstream of CXCR4. Circulation Research, 2010, 107, 1102-1105.	4.5	46
47	Two Lipids That Give Direction. Science, 2009, 324, 346-347.	12.6	4
48	An α -Helical Extension of the ELMO1 Pleckstrin Homology Domain Mediates Direct Interaction to DOCK180 and Is Critical in Rac Signaling. Molecular Biology of the Cell, 2008, 19, 4837-4851.	2.1	85
49	The atypical Rac activator Dock180 (Dock1) regulates myoblast fusion <i>in vivo</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15446-15451.	7.1	150
50	GEF what? Dock180 and related proteins help Rac to polarize cells in new ways. Trends in Cell Biology, 2007, 17, 383-393.	7.9	302
51	In Vitro Guanine Nucleotide Exchange Activity of DHR23/DOCKER/CZH2 Domains. Methods in Enzymology, 2006, 406, 41-57.	1.0	37
52	A novel and evolutionarily conserved PtdIns(3,4,5)P3-binding domain is necessary for DOCK180 signalling. Nature Cell Biology, 2005, 7, 797-807.	10.3	205
53	PSTPIP Is a Substrate of PTP-PEST and Serves as a Scaffold Guiding PTP-PEST Toward a Specific Dephosphorylation of WASP. Journal of Biological Chemistry, 2002, 277, 2973-2986.	3.4	116
54	Identification of an evolutionarily conserved superfamily of DOCK180-related proteins with guanine nucleotide exchange activity. Journal of Cell Science, 2002, 115, 4901-4913.	2.0	381

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55	Intact LIM 3 and LIM 4 Domains of Paxillin Are Required for the Association to a Novel Polyproline Region (Pro 2) of Protein-Tyrosine Phosphatase-PEST. Journal of Biological Chemistry, 1999, 274, 20550-20560.	3.4	76