

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	High-Density Proximity Mapping Reveals the Subcellular Organization of mRNA-Associated Granules and Bodies. <i>Molecular Cell</i> , 2018, 69, 517-532.e11.	9.7	583
2	Identification of an evolutionarily conserved superfamily of DOCK180-related proteins with guanine nucleotide exchange activity. <i>Journal of Cell Science</i> , 2002, 115, 4901-4913.	2.0	381
3	GEF what? Dock180 and related proteins help Rac to polarize cells in new ways. <i>Trends in Cell Biology</i> , 2007, 17, 383-393.	7.9	302
4	A novel and evolutionarily conserved PtdIns(3,4,5)P3-binding domain is necessary for DOCK180 signalling. <i>Nature Cell Biology</i> , 2005, 7, 797-807.	10.3	205
5	The atypical Rac activator Dock180 (Dock1) regulates myoblast fusion <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15446-15451.	7.1	150
6	Neutrophil extracellular traps target senescent vasculature for tissue remodeling in retinopathy. <i>Science</i> , 2020, 369, .	12.6	139
7	Insights into the biological functions of Dock family guanine nucleotide exchange factors. <i>Genes and Development</i> , 2014, 28, 533-547.	5.9	129
8	The Receptor Tyrosine Kinase AXL Is Required at Multiple Steps of the Metastatic Cascade during HER2-Positive Breast Cancer Progression. <i>Cell Reports</i> , 2018, 23, 1476-1490.	6.4	127
9	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
10	PSTPIP Is a Substrate of PTP-PEST and Serves as a Scaffold Guiding PTP-PEST Toward a Specific Dephosphorylation of WASP. <i>Journal of Biological Chemistry</i> , 2002, 277, 2973-2986.	3.4	116
11	<sc>SHLD</sc> 2/ <sc>FAM</sc> 35A coöperates with <sc>REV</sc> 7 to coordinate <sc>DNA</sc> doubleâ€strand break repair pathway choice. <i>EMBO Journal</i> , 2018, 37, .	7.8	111
12	The Rac1 exchange factor Dock5 is essential for bone resorption by osteoclasts. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 1099-1110.	2.8	106
13	G-protein coupled receptor BAI3 promotes myoblast fusion in vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3745-3750.	7.1	105
14	Rac-specific guanine nucleotide exchange factor DOCK1 is a critical regulator of HER2-mediated breast cancer metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7434-7439.	7.1	87
15	An ð-Helical Extension of the ELMO1 Pleckstrin Homology Domain Mediates Direct Interaction to DOCK180 and Is Critical in Rac Signaling. <i>Molecular Biology of the Cell</i> , 2008, 19, 4837-4851.	2.1	85
16	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. <i>Journal of Biological Chemistry</i> , 1999, 274, 20550-20560.	3.4	76
17	Axl Phosphorylates Elmo Scaffold Proteins To Promote Rac Activation and Cell Invasion. <i>Molecular and Cellular Biology</i> , 2015, 35, 76-87.	2.3	64
18	Structural Basis of Membrane Targeting by the Dock180 Family of Rho Family Guanine Exchange Factors (Rho-GEFs). <i>Journal of Biological Chemistry</i> , 2010, 285, 13211-13222.	3.4	59

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19	Rac1 activation in podocytes induces the spectrum of nephrotic syndrome. <i>Kidney International</i> , 2017, 92, 349-364.	5.2	53
20	An Evolutionarily Conserved Autoinhibitory Molecular Switch in ELMO Proteins Regulates Rac Signaling. <i>Current Biology</i> , 2010, 20, 2021-2027.	3.9	49
21	DOCK180 Is a Rac Activator That Regulates Cardiovascular Development by Acting Downstream of CXCR4. <i>Circulation Research</i> , 2010, 107, 1102-1105.	4.5	46
22	Phosphatidic Acid-dependent Recruitment and Function of the Rac Activator DOCK1 during Dorsal Ruffle Formation. <i>Journal of Biological Chemistry</i> , 2013, 288, 8092-8100.	3.4	46
23	Opening up on ELMO regulation. <i>Small GTPases</i> , 2011, 2, 268-275.	1.6	43
24	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. <i>Journal of Biological Chemistry</i> , 2011, 286, 38969-38979.	3.4	42
25	GFI1 facilitates efficient DNA repair by regulating PRMT1 dependent methylation of MRE11 and 53BP1. <i>Nature Communications</i> , 2018, 9, 1418.	12.8	42
26	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
27	Spatiotemporal regulation of the GPCR activity of BAI3 by C1qL4 and Stabilin-2 controls myoblast fusion. <i>Nature Communications</i> , 2018, 9, 4470.	12.8	40
28	The E3 Ubiquitin Ligase HectD1 Suppresses EMT and Metastasis by Targeting the A-TIP ACF7 for Degradation. <i>Cell Reports</i> , 2018, 22, 1016-1030.	6.4	39
29	ELMO Recruits Actin Cross-linking Family 7 (ACF7) at the Cell Membrane for Microtubule Capture and Stabilization of Cellular Protrusions. <i>Journal of Biological Chemistry</i> , 2013, 288, 1184-1199.	3.4	38
30	In Vitro Guanine Nucleotide Exchange Activity of DHR23/DOCKER/CZH2 Domains. <i>Methods in Enzymology</i> , 2006, 406, 41-57.	1.0	37
31	AXL confers cell migration and invasion by hijacking a PEAK1-regulated focal adhesion protein network. <i>Nature Communications</i> , 2020, 11, 3586.	12.8	37
32	A licensing step links AID to transcription elongation for mutagenesis in B cells. <i>Nature Communications</i> , 2018, 9, 1248.	12.8	35
33	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
34	Formation of a PKC ζ / β -catenin complex in endothelial cells promotes angiopoietin-1-induced collective directional migration and angiogenic sprouting. <i>Blood</i> , 2012, 120, 3371-3381.	1.4	33
35	Polarized Dock Activity Drives Shh-Mediated Axon Guidance. <i>Developmental Cell</i> , 2018, 46, 410-425.e7.	7.0	32
36	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

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37	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
38	Cell adhesion controlled by adhesion G protein-coupled receptor GPR124/ADGRA2 is mediated by a protein complex comprising intersectins and Elmo-Dock. <i>Journal of Biological Chemistry</i> , 2017, 292, 12178-12191.	3.4	24
39	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
40	ARL15 modulates magnesium homeostasis through N-glycosylation of CNNMs. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5427-5445.	5.4	18
41	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
42	Ras GTPases interaction with effector domains. <i>Communicative and Integrative Biology</i> , 2013, 6, e24298.	1.4	12
43	Strength Through Unity: The Power of the Mega-Scaffold MACF1. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 641727.	3.7	11
44	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
45	NSCLC metastasis: going with ELMO3. <i>Oncotarget</i> , 2014, 5, 5850-5851.	1.8	10
46	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
47	The Rac-specific exchange factors Dock1 and Dock5 are dispensable for the establishment of the glomerular filtration barrier in vivo. <i>Small GTPases</i> , 2013, 4, 221-230.	1.6	9
48	Elmo2 Is a Regulator of Insulin-dependent Glut4 Membrane Translocation. <i>Journal of Biological Chemistry</i> , 2016, 291, 16150-16161.	3.4	9
49	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
50	POGZ promotes homology-directed DNA repair in an HP1-dependent manner. <i>EMBO Reports</i> , 2022, 23, e51041.	4.5	9
51	ClipR-59 Interacts with Elmo2 and Modulates Myoblast Fusion. <i>Journal of Biological Chemistry</i> , 2015, 290, 6130-6140.	3.4	7
52	GFI1 tethers the NuRD complex to open and transcriptionally active chromatin in myeloid progenitors. <i>Communications Biology</i> , 2021, 4, 1356.	4.4	6
53	Two Lipids That Give Direction. <i>Science</i> , 2009, 324, 346-347.	12.6	4
54	Defining the interactomes of proteins involved in cytoskeletal dynamics using high-throughput proximity-dependent biotinylation in cellulo. <i>STAR Protocols</i> , 2022, 3, 101075.	1.2	4

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55	Biallelic ELMO3 mutations and loss of function for DOCK-mediated RAC1 activation result in intellectual disability. Small GTPases, 2021, , 1-8.	1.6	3