

Alexandre R Gingras

List of Publications by Year in descending order

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papers

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126708

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docs citations

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times ranked

4248
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Binding of Rap1 to Talin1 and to MRL Proteins Promotes Integrin Activation in CD4+ T Cells. Journal of Immunology, 2022, 208, 1378-1388.	0.4	6
2	Phostensin enables lymphocyte integrin activation and population of peripheral lymphoid organs. Journal of Experimental Medicine, 2022, 219, .	4.2	1
3	Kindlin-3 recruitment to the plasma membrane precedes high-affinity $\beta 2$ -integrin and neutrophil arrest from rolling. Blood, 2021, 137, 29-38.	0.6	30
4	Inhibition of the HEG1â€“KRIT1 interaction increases KLF4 and KLF2 expression in endothelial cells. FASEB BioAdvances, 2021, 3, 334-355.	1.3	8
5	Src-mediated phosphorylation of RIAM promotes integrin activation. Structure, 2021, 29, 305-307.	1.6	0
6	Optogenetics-based localization of talin to the plasma membrane promotes activation of $\beta 3$ integrins. Journal of Biological Chemistry, 2021, 296, 100675.	1.6	5
7	Frontline Science: A flexible kink in the transmembrane domain impairs $\beta 2$ integrin extension and cell arrest from rolling. Journal of Leukocyte Biology, 2020, 107, 175-183.	1.5	15
8	Signal Transduction: Physical Deformation of the Membrane Activates Integrins. Current Biology, 2020, 30, R397-R400.	1.8	7
9	Talin-1 is the principal platelet Rap1 effector of integrin activation. Blood, 2020, 136, 1180-1190.	0.6	52
10	Differential Use of Rap1 Effectors for Integrin Activation in Platelets and Lymphocytes. Blood, 2020, 136, 27-28.	0.6	0
11	Rap1 binding and a lipid-dependent helix in talin F1 domain promote integrin activation in tandem. Journal of Cell Biology, 2019, 218, 1799-1809.	2.3	45
12	Transmission of integrin $\beta 7$ transmembrane domain topology enables gut lymphoid tissue development. Journal of Cell Biology, 2018, 217, 1453-1465.	2.3	22
13	Rap1 binding to the talin 1 F0 domain makes a minimal contribution to murine platelet GPIIb-IIIa activation. Blood Advances, 2018, 2, 2358-2368.	2.5	30
14	Heart of glass anchors Rasip1 at endothelial cell-cell junctions to support vascular integrity. ELife, 2016, 5, e11394.	2.8	43
15	Structural Basis of Dimeric Rasip1 RA Domain Recognition of the Ras Subfamily of GTP-Binding Proteins. Structure, 2016, 24, 2152-2162.	1.6	15
16	The Crystal Structure of Pneumolysin at 2.0 Å.. Resolution Reveals the Molecular Packing of the Pre-pore Complex. Scientific Reports, 2015, 5, 13293.	1.6	50
17	Molecular basis of sugar recognition by collectin-K1 and the effects of mutations associated with 3MC syndrome. BMC Biology, 2015, 13, 27.	1.7	49
18	The methyltransferase Ezh2 controls cell adhesion and migration through direct methylation of the extranuclear regulatory protein talin. Nature Immunology, 2015, 16, 505-516.	7.0	144

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19	Reconstructing Integrin Activation In Vitro. <i>Methods in Molecular Biology</i> , 2013, 1046, 1-17.	0.4	5
20	Structural studies on full-length talin1 reveal a compact auto-inhibited dimer: Implications for talin activation. <i>Journal of Structural Biology</i> , 2013, 184, 21-32.	1.3	100
21	RIAM and Vinculin Binding to Talin Are Mutually Exclusive and Regulate Adhesion Assembly and Turnover. <i>Journal of Biological Chemistry</i> , 2013, 288, 8238-8249.	1.6	169
22	The Structure of the Ternary Complex of Krev Interaction Trapped 1 (KRIT1) Bound to Both the Rap1 GTPase and the Heart of Glass (HEG1) Cytoplasmic Tail. <i>Journal of Biological Chemistry</i> , 2013, 288, 23639-23649.	1.6	44
23	Structural basis of the C1q/C1s interaction and its central role in assembly of the C1 complex of complement activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13916-13920.	3.3	86
24	Integrins protect cardiomyocytes from ischemia/reperfusion injury. <i>Journal of Clinical Investigation</i> , 2013, 123, 4294-4308.	3.9	52
25	Structural basis of the junctional anchorage of the cerebral cavernous malformations complex. <i>Journal of Cell Biology</i> , 2012, 199, 39-48.	2.3	61
26	Talin Contains A C-Terminal Calpain2 Cleavage Site Important In Focal Adhesion Dynamics. <i>PLoS ONE</i> , 2012, 7, e34461.	1.1	59
27	Structural Basis of Mannan-Binding Lectin Recognition by Its Associated Serine Protease MASP-1: Implications for Complement Activation. <i>Structure</i> , 2011, 19, 1635-1643.	1.6	55
28	A mechanism of Rap1-induced stabilization of endothelial cell-cell junctions. <i>Molecular Biology of the Cell</i> , 2011, 22, 2509-2519.	0.9	59
29	Studies on the morphology and spreading of human endothelial cells define key inter- and intramolecular interactions for talin1. <i>European Journal of Cell Biology</i> , 2010, 89, 661-673.	1.6	71
30	The domain structure of talin: Residues 1815-1973 form a five-helix bundle containing a cryptic vinculin-binding site. <i>FEBS Letters</i> , 2010, 584, 2237-2241.	1.3	19
31	Structure of a double ubiquitin-like domain in the talin head: a role in integrin activation. <i>EMBO Journal</i> , 2010, 29, 1069-1080.	3.5	127
32	Central Region of Talin Has a Unique Fold That Binds Vinculin and Actin. <i>Journal of Biological Chemistry</i> , 2010, 285, 29577-29587.	1.6	65
33	Control of High Affinity Interactions in the Talin C Terminus. <i>Journal of Biological Chemistry</i> , 2009, 284, 13832-13842.	1.6	38
34	Structural Determinants of Integrin Binding to the Talin Rod. <i>Journal of Biological Chemistry</i> , 2009, 284, 8866-8876.	1.6	73
35	The Structure of an Interdomain Complex That Regulates Talin Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 15097-15106.	1.6	107
36	Trypanosoma cruzi calreticulin: A possible role in Chagas disease autoimmunity. <i>Molecular Immunology</i> , 2009, 46, 1092-1099.	1.0	33

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37	NMR assignment of the C-terminal actin-binding domain of talin. Biomolecular NMR Assignments, 2008, 2, 17-19.	0.4	3
38	The structure of the C-terminal actin-binding domain of talin. EMBO Journal, 2008, 27, 458-469.	3.5	159
39	Crystal structure of the Ca ²⁺ -form and Ca ²⁺ -binding kinetics of metastasis-associated protein, S100A4. FEBS Letters, 2008, 582, 1651-1656.	1.3	29
40	Structural model and functional significance of pH-dependent talin-actin binding for focal adhesion remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14436-14441.	3.3	115
41	Integrin connections to the cytoskeleton through talin and vinculin. Biochemical Society Transactions, 2008, 36, 235-239.	1.6	122
42	Talin at a glance. Journal of Cell Science, 2008, 121, 1345-1347.	1.2	182
43	Structural and Dynamic Characterization of a Vinculin Binding Site in the Talin Rod. Biochemistry, 2006, 45, 1805-1817.	1.2	73
44	The Activity of the Vinculin Binding Sites in Talin Is Influenced by the Stability of the Helical Bundles That Make Up The Talin Rod. Journal of Biological Chemistry, 2006, 281, 7458-7467.	1.6	47
45	A Vinculin Binding Domain from the Talin Rod Unfolds to Form a Complex with the Vinculin Head. Structure, 2005, 13, 65-74.	1.6	101
46	Mapping and Consensus Sequence Identification for Multiple Vinculin Binding Sites within the Talin Rod. Journal of Biological Chemistry, 2005, 280, 37217-37224.	1.6	172
47	The Classical Activation Pathway of the Human Complement System Is Specifically Inhibited by Calreticulin from <i>Trypanosoma cruzi</i> . Journal of Immunology, 2004, 172, 3042-3050.	0.4	115
48	Activation of a vinculin-binding site in the talin rod involves rearrangement of a five-helix bundle. EMBO Journal, 2004, 23, 2942-2951.	3.5	159
49	Biochemical and functional characterization of the interaction between pentraxin 3 and C1q. European Journal of Immunology, 2003, 33, 465-473.	1.6	317
50	Direct binding of C1q to apoptotic cells and cell blebs induces complement activation. European Journal of Immunology, 2002, 32, 1726.	1.6	276