

Alexandre R Gingras

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,615
citations

126708

33
h-index

205818

48
g-index

54
all docs

54
docs citations

54
times ranked

4248
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical and functional characterization of the interaction between pentraxin 3 and C1q. <i>European Journal of Immunology</i> , 2003, 33, 465-473.	1.6	317
2	Direct binding of C1q to apoptotic cells and cell blebs induces complement activation. <i>European Journal of Immunology</i> , 2002, 32, 1726.	1.6	276
3	Talin at a glance. <i>Journal of Cell Science</i> , 2008, 121, 1345-1347.	1.2	182
4	Mapping and Consensus Sequence Identification for Multiple Vinculin Binding Sites within the Talin Rod. <i>Journal of Biological Chemistry</i> , 2005, 280, 37217-37224.	1.6	172
5	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
6	Activation of a vinculin-binding site in the talin rod involves rearrangement of a five-helix bundle. <i>EMBO Journal</i> , 2004, 23, 2942-2951.	3.5	159
7	The structure of the C-terminal actin-binding domain of talin. <i>EMBO Journal</i> , 2008, 27, 458-469.	3.5	159
8	The methyltransferase Ezh2 controls cell adhesion and migration through direct methylation of the extranuclear regulatory protein talin. <i>Nature Immunology</i> , 2015, 16, 505-516.	7.0	144
9	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
10	Integrin connections to the cytoskeleton through talin and vinculin. <i>Biochemical Society Transactions</i> , 2008, 36, 235-239.	1.6	122
11	The Classical Activation Pathway of the Human Complement System Is Specifically Inhibited by Calreticulin from <i>Trypanosoma cruzi</i> . <i>Journal of Immunology</i> , 2004, 172, 3042-3050.	0.4	115
12	Structural model and functional significance of pH-dependent talin-actin binding for focal adhesion remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14436-14441.	3.3	115
13	The Structure of an Interdomain Complex That Regulates Talin Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 15097-15106.	1.6	107
14	A Vinculin Binding Domain from the Talin Rod Unfolds to Form a Complex with the Vinculin Head. <i>Structure</i> , 2005, 13, 65-74.	1.6	101
15	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
16	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
17	Structural and Dynamic Characterization of a Vinculin Binding Site in the Talin Rod. <i>Biochemistry</i> , 2006, 45, 1805-1817.	1.2	73
18	Structural Determinants of Integrin Binding to the Talin Rod. <i>Journal of Biological Chemistry</i> , 2009, 284, 8866-8876.	1.6	73

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19	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
20	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
21	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
22	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
23	Talin Contains A C-Terminal Calpain2 Cleavage Site Important In Focal Adhesion Dynamics. <i>PLoS ONE</i> , 2012, 7, e34461.	1.1	59
24	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
25	Talin-1 is the principal platelet Rap1 effector of integrin activation. <i>Blood</i> , 2020, 136, 1180-1190.	0.6	52
26	Integrins protect cardiomyocytes from ischemia/reperfusion injury. <i>Journal of Clinical Investigation</i> , 2013, 123, 4294-4308.	3.9	52
27	The Crystal Structure of Pneumolysin at 2.0 Å... Resolution Reveals the Molecular Packing of the Pre-pore Complex. <i>Scientific Reports</i> , 2015, 5, 13293.	1.6	50
28	Molecular basis of sugar recognition by collectin-K1 and the effects of mutations associated with 3MC syndrome. <i>BMC Biology</i> , 2015, 13, 27.	1.7	49
29	The Activity of the Vinculin Binding Sites in Talin Is Influenced by the Stability of the Helical Bundles That Make Up The Talin Rod. <i>Journal of Biological Chemistry</i> , 2006, 281, 7458-7467.	1.6	47
30	Rap1 binding and a lipid-dependent helix in talin F1 domain promote integrin activation in tandem. <i>Journal of Cell Biology</i> , 2019, 218, 1799-1809.	2.3	45
31	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
32	Heart of glass anchors Rasip1 at endothelial cell-cell junctions to support vascular integrity. <i>ELife</i> , 2016, 5, e11394.	2.8	43
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	Trypanosoma cruzi calreticulin: A possible role in Chagasâ€™ disease autoimmunity. <i>Molecular Immunology</i> , 2009, 46, 1092-1099.	1.0	33
35	Rap1 binding to the talin 1 FO domain makes a minimal contribution to murine platelet GPIIb-IIIa activation. <i>Blood Advances</i> , 2018, 2, 2358-2368.	2.5	30
36	Kindlin-3 recruitment to the plasma membrane precedes high-affinity Î²2-integrin and neutrophil arrest from rolling. <i>Blood</i> , 2021, 137, 29-38.	0.6	30

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37	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
38	Transmission of integrin Î27 transmembrane domain topology enables gut lymphoid tissue development. Journal of Cell Biology, 2018, 217, 1453-1465.	2.3	22
39	The domain structure of talin: Residues 1815-1973 form a five-helix bundle containing a cryptic vinculin-binding site. FEBS Letters, 2010, 584, 2237-2241.	1.3	19
40	Structural Basis of Dimeric Rasip1 RA Domain Recognition of the Ras Subfamily of GTP-Binding Proteins. Structure, 2016, 24, 2152-2162.	1.6	15
41	Frontline Science: A flexible kink in the transmembrane domain impairs Î22 integrin extension and cell arrest from rolling. Journal of Leukocyte Biology, 2020, 107, 175-183.	1.5	15
42	Inhibition of the HEG1-KRIT1 interaction increases KLF4 and KLF2 expression in endothelial cells. FASEB BioAdvances, 2021, 3, 334-355.	1.3	8
43	Signal Transduction: Physical Deformation of the Membrane Activates Integrins. Current Biology, 2020, 30, R397-R400.	1.8	7
44	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
45	Reconstructing Integrin Activation In Vitro. Methods in Molecular Biology, 2013, 1046, 1-17.	0.4	5
46	Optogenetics-based localization of talin to the plasma membrane promotes activation of Î23 integrins. Journal of Biological Chemistry, 2021, 296, 100675.	1.6	5
47	NMR assignment of the C-terminal actin-binding domain of talin. Biomolecular NMR Assignments, 2008, 2, 17-19.	0.4	3
48	Phostensin enables lymphocyte integrin activation and population of peripheral lymphoid organs. Journal of Experimental Medicine, 2022, 219, .	4.2	1
49	Src-mediated phosphorylation of RIAM promotes integrin activation. Structure, 2021, 29, 305-307.	1.6	0
50	Differential Use of Rap1 Effectors for Integrin Activation in Platelets and Lymphocytes. Blood, 2020, 136, 27-28.	0.6	0