Carlo Laudanna

List of Publications by Citations

57 papers	6,482 citations	26 h-index	61 g-index
61 ext. papers	7,213 ext. citations	9.4 avg, IF	5.56 L-index

#	Paper	IF	Citations
57	Getting to the site of inflammation: the leukocyte adhesion cascade updated. *Nature Reviews Immunology*, **2007**, 7, 678-89	36.5	2949
56	Chemokines trigger immediate beta2 integrin affinity and mobility changes: differential regulation and roles in lymphocyte arrest under flow. *Immunity*, **2000**, 13, 759-69	32.3	440
55	Analyzing biological network parameters with CentiScaPe. *Bioinformatics*, **2009**, 25, 2857-9	7.2	349
54	GDF-15 is an inhibitor of leukocyte integrin activation required for survival after myocardial infarction in mice. *Nature Medicine*, **2011**, 17, 581-8	50.5	316
53	Chronic tumor necrosis factor alters T cell responses by attenuating T cell receptor signaling. *Journal of Experimental Medicine*, **1997**, 185, 1573-84	16.6	257
52	Rapid leukocyte integrin activation by chemokines. *Immunological Reviews*, **2002**, 186, 37-46	11.3	245
51	Evidence of zeta protein kinase C involvement in polymorphonuclear neutrophil integrin-dependent adhesion and chemotaxis. *Journal of Biological Chemistry*, **1998**, 273, 30306-15	5.4	193
50	Elevation of intracellular cAMP inhibits RhoA activation and integrin-dependent leukocyte adhesion induced by chemoattractants. *Journal of Biological Chemistry*, **1997**, 272, 24141-4	5.4	170
49	RhoA and zeta PKC control distinct modalities of LFA-1 activation by chemokines: critical role of LFA-1 affinity triggering in lymphocyte in vivo homing. *Immunity*, **2004**, 20, 25-35	32.3	170
48	Regulation of conformer-specific activation of the integrin LFA-1 by a chemokine-triggered Rho signaling module. *Nature Immunology*, **2009**, 10, 185-94	19.1	122
47	Neutrophils produce biologically active macrophage inflammatory protein-3 (MIP-3 / CCL20 and MIP-3 / CCL19. *European Journal of Immunology*, **2001**, 31, 1981-1988	6.1	122
46	Right on the spot. *Thrombosis and Haemostasis*, **2006**, 95, 5-11	7	118
45	The Src family kinases Hck and Fgr are dispensable for inside-out, chemoattractant-induced signaling regulating beta 2 integrin affinity and valency in neutrophils, but are required for beta 2 integrin-mediated outside-in signaling involved in sustained adhesion. *Journal of Immunology*, **2006**, 177, 604-11	5.3	97
44	Quantitative differences in chemokine receptor engagement generate diversity in integrin-dependent lymphocyte adhesion. *Journal of Immunology*, **2002**, 169, 2303-12	5.3	77
43	Biological network analysis with CentiScaPe: centralities and experimental dataset integration. *F1000Research*, **2014**, 3, 139	3.6	71
42	Phagocytosis of opsonized yeast induces tumor necrosis factor-alpha mRNA accumulation and protein release by human polymorphonuclear leukocytes. *Journal of Leukocyte Biology*, **1991**, 50, 223-8	6.5	68
41	The soluble D2D3(88-274) fragment of the urokinase receptor inhibits monocyte chemotaxis and integrin-dependent cell adhesion. *Journal of Cell Science*, **2004**, 117, 2909-16	5.3	63

40	Biological network analysis with CentiScaPe: centralities and experimental dataset integration. *F1000Research*, **2014**, 3, 139	3.6	53
39	Chemokines and the signaling modules regulating integrin affinity. *Frontiers in Immunology*, **2012**, 3, 127	8.4	47
38	TIM-1 glycoprotein binds the adhesion receptor P-selectin and mediates T cell trafficking during inflammation and autoimmunity. *Immunity*, **2014**, 40, 542-53	32.3	45
37	Right on the spot. Chemokine triggering of integrin-mediated arrest of rolling leukocytes. *Thrombosis and Haemostasis*, **2006**, 95, 5-11	7	44
36	Sulfatides trigger cytokine gene expression and secretion in human monocytes. *FEBS Letters*, **1994**, 350, 66-70	3.8	34
35	Fam65b is a new transcriptional target of FOXO1 that regulates RhoA signaling for T lymphocyte migration. *Journal of Immunology*, **2013**, 190, 748-55	5.3	32
34	The atypical receptor CCRL2 is required for CXCR2-dependent neutrophil recruitment and tissue damage. *Blood*, **2017**, 130, 1223-1234	2.2	31
33	RhoA is involved in LFA-1 extension triggered by CXCL12 but not in a novel outside-in LFA-1 activation facilitated by CXCL9. *Journal of Immunology*, **2008**, 180, 2815-23	5.3	30
32	JAK tyrosine kinases promote hierarchical activation of Rho and Rap modules of integrin activation. *Journal of Cell Biology*, **2013**, 203, 1003-19	7.3	29
31	Beta-arrestin 2 is required for the induction and strengthening of integrin-mediated leukocyte adhesion during CXCR2-driven extravasation. *Blood*, **2009**, 114, 1073-82	2.2	22
30	Finding the shortest path with PesCa: a tool for network reconstruction. *F1000Research*, **2015**, 4, 484	3.6	22
29	Motility analysis of pancreatic adenocarcinoma cells reveals a role for the atypical zeta isoform of protein kinase C in cancer cell movement. *Laboratory Investigation*, **2003**, 83, 1155-63	5.9	20
28	JAK2 tyrosine kinase mediates integrin activation induced by CXCL12 in B-cell chronic lymphocytic leukemia. *Oncotarget*, **2015**, 6, 34245-57	3.3	20
27	Creating, generating and comparing random network models with Network Randomizer. *F1000Research*, **2016**, 5, 2524	3.6	19
26	Computational identification of phospho-tyrosine sub-networks related to acanthocyte generation in neuroacanthocytosis. *PLoS ONE*, **2012**, 7, e31015	3.7	17
25	Protein tyrosine phosphatase receptor type is a JAK phosphatase and negatively regulates leukocyte integrin activation. *Journal of Immunology*, **2015**, 194, 2168-79	5.3	16
24	Integrin activation in the immune system. *Wiley Interdisciplinary Reviews: Systems Biology and Medicine*, **2009**, 1, 116-127	6.6	16
23	Concurrency in leukocyte vascular recognition: developing the tools for a predictive computer model. *Trends in Immunology*, **2004**, 25, 411-6	14.4	16

22	SOS1, ARHGEF1, and DOCK2 rho-GEFs Mediate JAK-Dependent LFA-1 Activation by Chemokines. *Journal of Immunology*, **2017**, 198, 708-717	5.3	14
21	New models of intravital microscopy for analysis of chemokine receptor-mediated leukocyte vascular recognition. *Journal of Immunological Methods*, **2003**, 273, 115-23	2.5	14
20	CXCR4- and BCR-triggered integrin activation in B-cell chronic lymphocytic leukemia cells depends on JAK2-activated Bruton's tyrosine kinase. *Oncotarget*, **2018**, 9, 35123-35140	3.3	14
19	Node interference and robustness: performing virtual knock-out experiments on biological networks: the case of leukocyte integrin activation network. *PLoS ONE*, **2014**, 9, e88938	3.7	13
18	RHOA and PRKCZ control different aspects of cell motility in pancreatic cancer metastatic clones. *Molecular Cancer*, **2010**, 9, 61	42.1	13
17	Urokinase plasminogen activator inhibits HIV virion release from macrophage-differentiated chronically infected cells via activation of RhoA and PKC. *PLoS ONE*, **2011**, 6, e23674	3.7	12
16	Proteomics-based network analysis characterizes biological processes and pathways activated by preconditioned mesenchymal stem cells in cardiac repair mechanisms. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 1190-1199	4	8
15	Monocyte-to-macrophage switch reversibly impaired by Ibrutinib. *Oncotarget*, **2019**, 10, 1943-1956	3.3	8
14	Efficient lysis of B-chronic lymphocytic leukemia cells by the plant-derived sesquiterpene alcohol bisabolol, a dual proapoptotic and antiautophagic agent. *Oncotarget*, **2018**, 9, 25877-25890	3.3	5
13	Synergistic efficacy of the dual PI3K- inhibitor duvelisib with the Bcl-2 inhibitor venetoclax in Richter syndrome PDX models. *Blood*, **2021**, 137, 3378-3389	2.2	5
12	Neutrophils produce biologically active macrophage inflammatory protein-3 (MIP-3 / CCL20 and MIP-3 / CCL19 **2001**, 31, 1981		5
11	Oxyresveratrol-Loaded PLGA Nanoparticles Inhibit Oxygen Free Radical Production by Human Monocytes: Role in Nanoparticle Biocompatibility. *Molecules*, **2021**, 26,	4.8	3
10	Activation of Protein Tyrosine Phosphatase Receptor Type S Suppresses Mechanisms of Adhesion and Survival in Chronic Lymphocytic Leukemia Cells. *Journal of Immunology*, **2021**, 207, 671-684	5.3	2
9	Analysis of integrin-dependent rapid adhesion under laminar-flow conditions. *Methods in Molecular Biology*, **2004**, 239, 17-26	1.4	1
8	Efficient Simulation and Parametrization of Stochastic Petri Nets in SystemC: A Case study from Systems Biology **2019**,		1
7	Neutrophils produce biologically active macrophage inflammatory protein-3 (MIP-3 / CCL20 and MIP-3 / CCL19 **2001**, 31, 1981		1
6	Lymphocyte-endothelial cell interaction **2006**, 39-54		0
5	Analysing omics data sets with weighted nodes networks (WNNets). *Scientific Reports*, **2021**, 11, 14447	4.9	0

List of Publications

4	CCR7 signalosomes are preassembled on tips of lymphocyte microvilli in proximity to LFA-1. *Biophysical Journal*, **2021**, 120, 4002-4012	2.9	0
3	A PI3K□mimetic peptide triggers CFTR gating, bronchodilation, and reduced inflammation in obstructive airway diseases.. *Science Translational Medicine*, **2022**, 14, eabl6328	17.5	0
2	Computational Methods for Signal Transduction **2019**, 201-237		
1	Mechanisms of Leukocyte Integrin Activation **2006**, 68-81		