

# Clifford A Lowell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2618390/publications.pdf>

Version: 2024-02-01

90  
papers

7,656  
citations

57758

44  
h-index

56724

83  
g-index

93  
all docs

93  
docs citations

93  
times ranked

11143  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfusion-related acute lung injury: incidence and risk factors. <i>Blood</i> , 2012, 119, 1757-1767.	1.4	493
2	The Ins and Outs of Leukocyte Integrin Signaling. <i>Annual Review of Immunology</i> , 2009, 27, 339-362.	21.8	473
3	Characterization of the B Lymphocyte Populations in Lyn-Deficient Mice and the Role of Lyn in Signal Initiation and Down-Regulation. <i>Immunity</i> , 1997, 7, 69-81.	14.3	409
4	Comparative analysis of the efficiency and specificity of myeloid-Cre deleting strains using ROSA-EYFP reporter mice. <i>Journal of Immunological Methods</i> , 2014, 408, 89-100.	1.4	403
5	Syk Is Required for Integrin Signaling in Neutrophils. <i>Immunity</i> , 2002, 16, 547-558.	14.3	391
6	Lipopolysaccharide (LPS)-induced Macrophage Activation and Signal Transduction in the Absence of Src-Family Kinases Hck, Fgr, and Lyn. <i>Journal of Experimental Medicine</i> , 1997, 185, 1661-1670.	8.5	380
7	Platelet depletion and aspirin treatment protect mice in a two-event model of transfusion-related acute lung injury. <i>Journal of Clinical Investigation</i> , 2009, 119, 3450-61.	8.2	342
8	Essential role of Src-family protein tyrosine kinases in NF- $\kappa$ B activation during B cell development. <i>Nature Immunology</i> , 2003, 4, 274-279.	14.5	277
9	Neutrophils and their Fc $\gamma$ receptors are essential in a mouse model of transfusion-related acute lung injury. <i>Journal of Clinical Investigation</i> , 2006, 116, 1615-1623.	8.2	273
10	Src-family and Syk Kinases in Activating and Inhibitory Pathways in Innate Immune Cells: Signaling Cross Talk. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a002352-a002352.	5.5	209
11	Src-family kinases: rheostats of immune cell signaling. <i>Molecular Immunology</i> , 2004, 41, 631-643.	2.2	202
12	SLAMF7 is critical for phagocytosis of haematopoietic tumour cells via Mac-1 integrin. <i>Nature</i> , 2017, 544, 493-497.	27.8	188
13	Defective negative regulation of antigen receptor signaling in Lyn-deficient B lymphocytes. <i>Current Biology</i> , 1998, 8, 545-553.	3.9	158
14	Impaired Integrin-Dependent Function in Wiskott-Aldrich Syndrome Protein-Deficient Murine and Human Neutrophils. <i>Immunity</i> , 2006, 25, 285-295.	14.3	130
15	Signalling thresholds and negative B-cell selection in acute lymphoblastic leukaemia. <i>Nature</i> , 2015, 521, 357-361.	27.8	127
16	Multiple roles of Lyn kinase in myeloid cell signaling and function. <i>Immunological Reviews</i> , 2009, 228, 23-40.	6.0	124
17	The Src family kinases Hck, Fgr, and Lyn are critical for the generation of the in vivo inflammatory environment without a direct role in leukocyte recruitment. <i>Journal of Experimental Medicine</i> , 2014, 211, 1993-2011.	8.5	124
18	Integrin signal transduction in myeloid leukocytes. <i>Journal of Leukocyte Biology</i> , 1999, 65, 313-320.	3.3	121

#	ARTICLE	IF	CITATIONS
19	Intracellular signalling during neutrophil recruitment. <i>Cardiovascular Research</i> , 2015, 107, 373-385.	3.8	120
20	Mac-1 Signaling via Src-Family and Syk Kinases Results in Elastase-Dependent Thrombohemorrhagic Vasculopathy. <i>Immunity</i> , 2006, 25, 271-283.	14.3	111
21	Lupus-like kidney disease in mice deficient in the Src family tyrosine kinases Lyn and Fyn. <i>Current Biology</i> , 2001, 11, 34-38.	3.9	107
22	Distinct Roles for Neutrophils and Dendritic Cells in Inflammation and Autoimmunity in motheaten Mice. <i>Immunity</i> , 2013, 38, 489-501.	14.3	107
23	B Cell-Specific Loss of Lyn Kinase Leads to Autoimmunity. <i>Journal of Immunology</i> , 2014, 192, 919-928.	0.8	104
24	Actin Cytoskeleton Reorganization by Syk Regulates Fc $\gamma$ 3 Receptor Responsiveness by Increasing Its Lateral Mobility and Clustering. <i>Developmental Cell</i> , 2014, 29, 534-546.	7.0	103
25	ROS-Triggered Phosphorylation of Complex II by Fgr Kinase Regulates Cellular Adaptation to Fuel Use. <i>Cell Metabolism</i> , 2014, 19, 1020-1033.	16.2	101
26	Splenic Dendritic Cells Survey Red Blood Cells for Missing Self-CD47 to Trigger Adaptive Immune Responses. <i>Immunity</i> , 2015, 43, 764-775.	14.3	101
27	Myeloid cells, BAFF, and IFN- $\beta$ establish an inflammatory loop that exacerbates autoimmunity in Lyn-deficient mice. <i>Journal of Experimental Medicine</i> , 2010, 207, 1757-1773.	8.5	93
28	The Lyn Tyrosine Kinase Negatively Regulates Neutrophil Integrin Signaling. <i>Journal of Immunology</i> , 2003, 171, 1319-1327.	0.8	92
29	Overview: Studying Integrins In Vivo. <i>Methods in Molecular Biology</i> , 2011, 757, 369-397.	0.9	88
30	Requirement for MyD88 Signaling in B Cells and Dendritic Cells for Germinal Center Anti-Nuclear Antibody Production in Lyn-Deficient Mice. <i>Journal of Immunology</i> , 2014, 192, 875-885.	0.8	83
31	The Neutrophil Btk Signalosome Regulates Integrin Activation during Sterile Inflammation. <i>Immunity</i> , 2016, 44, 73-87.	14.3	80
32	Hyperactivated MyD88 signaling in dendritic cells, through specific deletion of Lyn kinase, causes severe autoimmunity and inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3311-20.	7.1	78
33	STIM1 calcium sensor is required for activation of the phagocyte oxidase during inflammation and host defense. <i>Blood</i> , 2014, 123, 2238-2249.	1.4	76
34	Leishmania Uses Mincle to Target an Inhibitory ITAM Signaling Pathway in Dendritic Cells that Dampens Adaptive Immunity to Infection. <i>Immunity</i> , 2016, 45, 788-801.	14.3	76
35	Relief of tumor hypoxia unleashes the tumoricidal potential of neutrophils. <i>Journal of Clinical Investigation</i> , 2019, 130, 389-403.	8.2	70
36	B cell-derived IL-10 suppresses inflammatory disease in Lyn-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E823-32.	7.1	69

#	ARTICLE	IF	CITATIONS
37	Neutrophils: Their Role in Innate and Adaptive Immunity 2017. <i>Journal of Immunology Research</i> , 2017, 1-2.	2.2	64
38	Store-operated calcium signaling in neutrophils. <i>Journal of Leukocyte Biology</i> , 2015, 98, 497-502.	3.3	59
39	Shp1 function in myeloid cells. <i>Journal of Leukocyte Biology</i> , 2017, 102, 657-675.	3.3	58
40	Inhibition of Hematopoietic Cell Kinase Activity Suppresses Myeloid Cell-Mediated Colon Cancer Progression. <i>Cancer Cell</i> , 2017, 31, 563-575.e5.	16.8	57
41	A CD19-Dependent Signaling Pathway Regulates Autoimmunity in Lyn-Deficient Mice. <i>Journal of Immunology</i> , 2001, 167, 2469-2478.	0.8	56
42	STIM1 and STIM2 cooperatively regulate mouse neutrophil store-operated calcium entry and cytokine production. <i>Blood</i> , 2017, 130, 1565-1577.	1.4	53
43	The Lyn Tyrosine Kinase Differentially Regulates Dendritic Cell Generation and Maturation. <i>Journal of Immunology</i> , 2005, 175, 2880-2889.	0.8	52
44	Skap2 is required for $\beta$ 2 integrin-mediated neutrophil recruitment and functions. <i>Journal of Experimental Medicine</i> , 2017, 214, 851-874.	8.5	49
45	Neutrophils in acute inflammation: current concepts and translational implications. <i>Blood</i> , 2022, 139, 2130-2144.	1.4	45
46	FleA Expression in <i>Aspergillus fumigatus</i> Is Recognized by Fucosylated Structures on Mucins and Macrophages to Prevent Lung Infection. <i>PLoS Pathogens</i> , 2016, 12, e1005555.	4.7	44
47	Recipient clinical risk factors predominate in possible transfusion-related acute lung injury. <i>Transfusion</i> , 2015, 55, 947-952.	1.6	40
48	CRAC channel regulation of innate immune cells in health and disease. <i>Cell Calcium</i> , 2019, 78, 56-65.	2.4	37
49	Rewiring Phagocytic Signal Transduction. <i>Immunity</i> , 2006, 24, 243-245.	14.3	32
50	Complement activation on endothelium initiates antibody-mediated acute lung injury. <i>Journal of Clinical Investigation</i> , 2020, 130, 5909-5923.	8.2	32
51	LynA regulates an inflammation-sensitive signaling checkpoint in macrophages. <i>ELife</i> , 2015, 4, .	6.0	31
52	The Src-Family Kinases Hck and Fgr Regulate Early Lipopolysaccharide-Induced Myeloid Cell Recruitment into the Lung and Their Ability To Secrete Chemokines. <i>Journal of Immunology</i> , 2015, 195, 2383-2395.	0.8	29
53	Neutrophils in animal models of autoimmune disease. <i>Seminars in Immunology</i> , 2016, 28, 174-186.	5.6	29
54	Downregulation of the Syk Signaling Pathway in Intestinal Dendritic Cells Is Sufficient To Induce Dendritic Cells That Inhibit Colitis. <i>Journal of Immunology</i> , 2016, 197, 2948-2957.	0.8	27

#	ARTICLE	IF	CITATIONS
55	ORAI1 and ORAI2 modulate murine neutrophil calcium signaling, cellular activation, and host defense. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24403-24414.	7.1	27
56	Flow cytometric detection of CD10 (cALLA) on peripheral blood B lymphocytes of neonates. British Journal of Haematology, 1999, 107, 712-715.	2.5	25
57	Role of MyD88 signaling in the imiquimod-induced mouse model of psoriasis: focus on innate myeloid cells. Journal of Leukocyte Biology, 2017, 102, 791-803.	3.3	23
58	Shp1 Loss Enhances Macrophage Effector Function and Promotes Anti-Tumor Immunity. Frontiers in Immunology, 2020, 11, 576310.	4.8	23
59	L-selectin shedding affects bacterial clearance in the lung: a new regulatory pathway for integrin outside-in signaling. Blood, 2019, 134, 1445-1457.	1.4	22
60	A neutrophil subset defined by intracellular olfactomedin 4 is associated with mortality in sepsis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L892-L902.	2.9	21
61	Cutting Edge: B Cell Receptor (BCR) Cross-Talk: The IL-4-Induced Alternate Pathway for BCR Signaling Operates in Parallel with the Classical Pathway, Is Sensitive to Rottlerin, and Depends on Lyn. Journal of Immunology, 2007, 178, 4726-4730.	0.8	20
62	Cross-Talk between Shp1 and PIPKÎ³ Controls Leukocyte Recruitment. Journal of Immunology, 2015, 195, 1152-1161.	0.8	20
63	CARD9 mediates dendritic cell-induced development of Lyn deficiency-associated autoimmune and inflammatory diseases. Science Signaling, 2019, 12, .	3.6	19
64	A CD22-Shp1 phosphatase axis controls integrin Î²7 display and B cell function in mucosal immunity. Nature Immunology, 2021, 22, 381-390.	14.5	19
65	Immune Defense Protein Expression in Highly Purified Mouse Lung Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 802-813.	2.9	18
66	Early Targeting of L-Selectin on Leukocytes Promotes Recovery after Spinal Cord Injury, Implicating Novel Mechanisms of Pathogenesis. ENeuro, 2018, 5, ENEURO.0101-18.2018.	1.9	18
67	PRN473, an inhibitor of Bruton's tyrosine kinase, inhibits neutrophil recruitment <i>via</i> inhibition of macrophage antigen-1 signalling. British Journal of Pharmacology, 2018, 175, 429-439.	5.4	17
68	Therapeutic inhibition of the SRC-kinase HCK facilitates T cell tumor infiltration and improves response to immunotherapy. Science Advances, 2022, 8, .	10.3	16
69	Src family kinase-mediated vesicle trafficking is critical for neutrophil basement membrane penetration. Haematologica, 2020, 105, 1845-1856.	3.5	14
70	Determinants of Divergent Adaptive Immune Responses after Airway Sensitization with Ligands of Toll-Like Receptor 5 or Toll-Like Receptor 9. PLoS ONE, 2016, 11, e0167693.	2.5	11
71	Efficiency and Specificity of Gene Deletion in Lung Epithelial Doxycycline-Inducible Cre Mice. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 248-257.	2.9	10
72	Spleen tyrosine kinase facilitates neutrophil activation and worsens long-term neurologic deficits after spinal cord injury. Journal of Neuroinflammation, 2021, 18, 302.	7.2	9

#	ARTICLE	IF	CITATIONS
73	Neutrophils give us a shock. <i>Journal of Clinical Investigation</i> , 2011, 121, 1260-1263.	8.2	8
74	MyD88 Shapes Vaccine Immunity by Extrinsically Regulating Survival of CD4+ T Cells during the Contraction Phase. <i>PLoS Pathogens</i> , 2016, 12, e1005787.	4.7	7
75	Diabetes With Multiple Autoimmune and Inflammatory Conditions Linked to an Activating SKAP2 Mutation. <i>Diabetes Care</i> , 2021, 44, 1816-1825.	8.6	5
76	HIV-1 Nef Induces Hck/Lyn-Dependent Expansion of Myeloid-Derived Suppressor Cells Associated with Elevated Interleukin-17/G-CSF Levels. <i>Journal of Virology</i> , 2021, 95, e0047121.	3.4	5
77	B cell autoimmunity at the extremes. <i>Nature Immunology</i> , 2017, 18, 1065-1066.	14.5	4
78	Inhibitory affinity modulation of Fc $\gamma$ RIIA ligand binding by glycosphingolipids by inside-out signaling. <i>Cell Reports</i> , 2021, 35, 109142.	6.4	4
79	Neutrophil-specific deletion of Syk results in recruitment-independent stabilization of the barrier and a long-term improvement in cognitive function after traumatic injury to the developing brain. <i>Neurobiology of Disease</i> , 2021, 157, 105430.	4.4	4
80	A dominant function of LynB kinase in preventing autoimmunity. <i>Science Advances</i> , 2022, 8, eabj5227.	10.3	3
81	Targeting NF-KB Activation in Novel Intracranial Models of CNS Lymphoma. <i>Blood</i> , 2016, 128, 777-777.	1.4	2
82	The Ubiquitin-Modifying Enzyme A20 Terminates C-Type Lectin Receptor Signals and Is a Suppressor of Host Defense against Systemic Fungal Infection. <i>Infection and Immunity</i> , 2020, 88, .	2.2	1
83	Novel Intracranial Xenografts Of CNS Lymphoma Implicate a Role For Cereblon As a Mediator Of Lenalidomide Efficacy. <i>Blood</i> , 2013, 122, 374-374.	1.4	1
84	Mechanisms of Pre-B Cell Receptor-Inactivation In Acute Lymphoblastic Leukemia. <i>Blood</i> , 2010, 116, 147-147.	1.4	1
85	Signal Integration by Translocation and Phosphorylation of PKC $\zeta$ in the B Cell Alternate Pathway. <i>Journal of Immunology</i> , 2021, 207, ji2100295.	0.8	0
86	Immunoreceptor tyrosine-based activation motif (ITAM)-containing adapters DAP12 and FcR $\gamma$ required for E-selectin mediated slow rolling. <i>FASEB Journal</i> , 2008, 22, 1071.1.	0.5	0
87	Regulation of myeloproliferation and M2 macrophage programming by Lyn/Hck, SHIP and Stat5. <i>FASEB Journal</i> , 2008, 22, 844.9.	0.5	0
88	SYK Is a Tumor Suppressor In Pre-B Cell Acute Lymphoblastic Leukemia and Not a Therapeutic Target. <i>Blood</i> , 2010, 116, 4199-4199.	1.4	0
89	Inhibitory Receptors and Phosphatases Enable Oncogenic Tyrosine Kinase Signaling In B Cell Lineage Leukemia. <i>Blood</i> , 2013, 122, 229-229.	1.4	0
90	Targeted Activation of B Cell Autoimmunity Checkpoints in Acute Lymphoblastic Leukemia. <i>Blood</i> , 2015, 126, 3716-3716.	1.4	0