

Mark R Looney

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	6,603 citations	34 h-index	81 g-index
101 ext. papers	8,351 ext. citations	11.2 avg, IF	5.85 L-index

#	Paper	IF	Citations
88	Targeting potential drivers of COVID-19: Neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	795
87	Platelets induce neutrophil extracellular traps in transfusion-related acute lung injury. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2661-71	15.9	646
86	The lung is a site of platelet biogenesis and a reservoir for haematopoietic progenitors. <i>Nature</i> , 2017 , 544, 105-109	50.4	541
85	Lineage-negative progenitors mobilize to regenerate lung epithelium after major injury. <i>Nature</i> , 2015 , 517, 621-5	50.4	397
84	Transfusion-related acute lung injury: incidence and risk factors. <i>Blood</i> , 2012 , 119, 1757-67	2.2	391
83	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	15.9	285
82	Stabilized imaging of immune surveillance in the mouse lung. <i>Nature Methods</i> , 2011 , 8, 91-6	21.6	265
81	Visualization of immediate immune responses to pioneer metastatic cells in the lung. <i>Nature</i> , 2016 , 531, 513-7	50.4	247
80	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, 1615-23	15.9	236
79	Transfusion-related acute lung injury: a review. <i>Chest</i> , 2004 , 126, 249-58	5.3	223
78	Maladaptive role of neutrophil extracellular traps in pathogen-induced lung injury. <i>JCI Insight</i> , 2018 , 3,	9.9	186
77	Spatiotemporally separated antigen uptake by alveolar dendritic cells and airway presentation to T cells in the lung. <i>Journal of Experimental Medicine</i> , 2012 , 209, 1183-99	16.6	138
76	Telomere dysfunction in alveolar epithelial cells causes lung remodeling and fibrosis. <i>JCI Insight</i> , 2016 , 1, e86704	9.9	129
75	Aspirin-triggered 15-epi-lipoxin A4 regulates neutrophil-platelet aggregation and attenuates acute lung injury in mice. <i>Blood</i> , 2014 , 124, 2625-34	2.2	123
74	Neutrophil extracellular traps are pathogenic in primary graft dysfunction after lung transplantation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 455-63	10.2	121
73	Reducing noninfectious risks of blood transfusion. <i>Anesthesiology</i> , 2011 , 115, 635-49	4.3	119
72	Animal models of mechanisms of SARS-CoV-2 infection and COVID-19 pathology. <i>British Journal of Pharmacology</i> , 2020 , 177, 4851-4865	8.6	102

71	Global absence and targeting of protective immune states in severe COVID-19. <i>Nature</i> , 2021 , 591, 124-130.	130.4	100
70	The Lung is a Host Defense Niche for Immediate Neutrophil-Mediated Vascular Protection. <i>Science Immunology</i> , 2017 , 2,	28	96
69	Directed transport of neutrophil-derived extracellular vesicles enables platelet-mediated innate immune response. <i>Nature Communications</i> , 2016 , 7, 13464	17.4	94
68	Extracellular DNA, Neutrophil Extracellular Traps, and Inflammasome Activation in Severe Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 1076-1085	10.2	83
67	A consensus redefinition of transfusion-related acute lung injury. <i>Transfusion</i> , 2019 , 59, 2465-2476	2.9	68
66	Receptor for advanced glycation end-products (RAGE) is an indicator of direct lung injury in models of experimental lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009 , 297, L1-5	5.8	67
65	CXCR4 identifies transitional bone marrow premonocytes that replenish the mature monocyte pool for peripheral responses. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2293-2314	16.6	66
64	CD47 deficiency protects mice from lipopolysaccharide-induced acute lung injury and Escherichia coli pneumonia. <i>Journal of Immunology</i> , 2008 , 180, 6947-53	5.3	52
63	Prospective study on the clinical course and outcomes in transfusion-related acute lung injury*. <i>Critical Care Medicine</i> , 2014 , 42, 1676-87	1.4	50
62	Live imaging of the lung. <i>Annual Review of Physiology</i> , 2014 , 76, 431-45	23.1	49
61	Role of CFTR expressed by neutrophils in modulating acute lung inflammation and injury in mice. <i>Inflammation Research</i> , 2011 , 60, 619-32	7.2	46
60	Direct visual instillation as a method for efficient delivery of fluid into the distal airspaces of anesthetized mice. <i>Experimental Lung Research</i> , 2004 , 30, 479-93	2.3	45
59	Prevention or Treatment of Ards With Aspirin: A Review of Preclinical Models and Meta-Analysis of Clinical Studies. <i>Shock</i> , 2017 , 47, 13-21	3.4	44
58	Transfusion reactions: newer concepts on the pathophysiology, incidence, treatment, and prevention of transfusion-related acute lung injury. <i>Critical Care Clinics</i> , 2012 , 28, 363-72, v	4.5	39
57	Pathophysiology of transfusion-related acute lung injury. <i>Current Opinion in Hematology</i> , 2010 , 17, 418-23.	3.3	36
56	Fresh and stored red blood cell transfusion equivalently induce subclinical pulmonary gas exchange deficit in normal humans. <i>Anesthesia and Analgesia</i> , 2012 , 114, 511-9	3.9	35
55	Animal models of transfusion-related acute lung injury. <i>Critical Care Medicine</i> , 2006 , 34, S132-6	1.4	35
54	Models of Lung Transplant Research: a consensus statement from the National Heart, Lung, and Blood Institute workshop. <i>JCI Insight</i> , 2017 , 2,	9.9	33

53	Recipient clinical risk factors predominate in possible transfusion-related acute lung injury. <i>Transfusion</i> , 2015 , 55, 947-52	2.9	32
52	Platelet-neutrophil interactions as a target for prevention and treatment of transfusion-related acute lung injury. <i>Current Pharmaceutical Design</i> , 2012 , 18, 3260-6	3.3	32
51	Lung megakaryocytes are immune modulatory cells. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	32
50	Live imaging of the lung. <i>Current Protocols in Cytometry</i> , 2012 , Chapter 12, Unit12.28	3.6	30
49	Decreased expression of both the alpha1- and alpha2-subunits of the Na-K-ATPase reduces maximal alveolar epithelial fluid clearance. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005 , 289, L104-10	5.8	30
48	Mitochondrial DNA Stimulates TLR9-Dependent Neutrophil Extracellular Trap Formation in Primary Graft Dysfunction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020 , 62, 364-372	5.7	30
47	Contemporary Risk Factors and Outcomes of Transfusion-Associated Circulatory Overload. <i>Critical Care Medicine</i> , 2018 , 46, 577-585	1.4	29
46	Platelet Biogenesis in the Lung Circulation. <i>Physiology</i> , 2019 , 34, 392-401	9.8	26
45	Experimental models of transfusion-related acute lung injury. <i>Transfusion Medicine Reviews</i> , 2011 , 25, 1-11	7.4	26
44	Bench-to-bedside review: the role of activated protein C in maintaining endothelial tight junction function and its relationship to organ injury. <i>Critical Care</i> , 2006 , 10, 239	10.8	23
43	Cystic fibrosis transmembrane conductance regulator dysfunction in platelets drives lung hyperinflammation. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2041-2053	15.9	20
42	The spatiotemporal cellular dynamics of lung immunity. <i>Trends in Immunology</i> , 2014 , 35, 379-86	14.4	18
41	Synaptophysin immunoreactivity in temporal lobe epilepsy-associated hippocampal sclerosis. <i>Acta Neuropathologica</i> , 1999 , 98, 179-85	14.3	18
40	LPS-induced Lung Platelet Recruitment Occurs Independently from Neutrophils, PSGL-1, and P-Selectin. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019 , 61, 232-243	5.7	16
39	Proposed revised nomenclature for transfusion-related acute lung injury. <i>Transfusion</i> , 2017 , 57, 709-713	2.9	15
38	Modulating Pathogenesis with Mobile-CRISPRi. <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	15
37	Complement activation on endothelium initiates antibody-mediated acute lung injury. <i>Journal of Clinical Investigation</i> , 2020 , 130, 5909-5923	15.9	14
36	Neutralizing Extracellular Histones in Acute Respiratory Distress Syndrome. A New Role for an Endogenous Pathway. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 122-124	10.2	13

35	Role of coagulation pathways and treatment with activated protein C in hyperoxic lung injury. <i>Thorax</i> , 2009 , 64, 114-20	7.3	13
34	Non-invasive Intratracheal Instillation in Mice. <i>Bio-protocol</i> , 2015 , 5,	0.9	10
33	Inhibiting Integrin $\alpha 5$ Reduces Ischemia-Reperfusion Injury in an Orthotopic Lung Transplant Model in Mice. <i>American Journal of Transplantation</i> , 2016 , 16, 1306-11	8.7	9
32	Mast cells in a murine lung ischemia-reperfusion model of primary graft dysfunction. <i>Respiratory Research</i> , 2014 , 15, 95	7.3	9
31	Newly recognized causes of acute lung injury: transfusion of blood products, severe acute respiratory syndrome, and avian influenza. <i>Clinics in Chest Medicine</i> , 2006 , 27, 591-600; abstract viii	5.3	9
30	Endogenous DEL-1 restrains melanoma lung metastasis by limiting myeloid cell-associated lung inflammation. <i>Science Advances</i> , 2020 , 6,	14.3	8
29	Mast cells present protrusions into blood vessels upon tracheal allergen challenge in mice. <i>PLoS ONE</i> , 2015 , 10, e0118513	3.7	8
28	Update on animal models for COVID-19 research. <i>British Journal of Pharmacology</i> , 2020 , 177, 5679-5681	8.6	8
27	Transfusion of Human Platelets Treated with Mirasol Pathogen Reduction Technology Does Not Induce Acute Lung Injury in Mice. <i>PLoS ONE</i> , 2015 , 10, e0133022	3.7	7
26	Synaptophysin immunohistochemistry densitometry measurement in resected human hippocampus: implication for the etiology of hippocampal sclerosis. <i>Epilepsy Research</i> , 1998 , 32, 335-44	3	7
25	Formaldehyde-induced hematopoietic stem and progenitor cell toxicity in mouse lung and nose. <i>Archives of Toxicology</i> , 2021 , 95, 693-701	5.8	7
24	In Vivo Measurement of Granzyme Proteolysis from Activated Immune Cells with PET. <i>ACS Central Science</i> , 2021 , 7, 1638-1649	16.8	7
23	Whither the Pulmonary Ward Attending? Preserving Subspecialty Exposure in United States Internal Medicine Residency Training. <i>Annals of the American Thoracic Society</i> , 2017 , 14, 565-568	4.7	6
22	GPR35 promotes neutrophil recruitment in response to serotonin metabolite 5-HIAA.. <i>Cell</i> , 2022 ,	56.2	6
21	Natural killer cells activated through NKG2D mediate lung ischemia-reperfusion injury. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	6
20	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022 , 66, e1-e14	5.7	5
19	CD97 promotes spleen dendritic cell homeostasis through the mechanosensing of red blood cells.. <i>Science</i> , 2022 , 375, eabi5965	33.3	5
18	Live imaging of the pulmonary immune environment. <i>Cellular Immunology</i> , 2020 , 350, 103862	4.4	5

17	162. <i>Cytokine</i> , 2013 , 63, 281	4	4
16	Universal Principled Review: A Community-Driven Method to Improve Peer Review. <i>Cell</i> , 2019 , 179, 1441-1445	5.645	4
15	An update of the transfusion-related acute lung injury (TRALI) definition. <i>Transfusion Clinique Et Biologique</i> , 2019 , 26, 354-356	1.9	3
14	Mirasol pathogen reduction technology treatment of human whole blood does not induce acute lung injury in mice. <i>PLoS ONE</i> , 2017 , 12, e0178725	3.7	3
13	Advances in Clinical and Basic Science of Coagulation: Illustrated abstracts of the 9th Chapel Hill Symposium on Hemostasis. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2018 , 2, 407-428	5.1	3
12	ADAM8 signaling drives neutrophil migration and ARDS severity.. <i>JCI Insight</i> , 2022 , 7,	9.9	3
11	Global Absence and Targeting of Protective Immune States in Severe COVID-19 2020 ,		3
10	Hypoimmune induced pluripotent stem cell-derived cell therapeutics treat cardiovascular and pulmonary diseases in immunocompetent allogeneic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
9	The role of protein C in sepsis. <i>Current Infectious Disease Reports</i> , 2007 , 3, 413-8	3.9	2
8	Transfusion-Related Acute Lung Injury: 36 years of Progress (1985-2021).. <i>Annals of the American Thoracic Society</i> , 2022 ,	4.7	2
7	Current concepts in TRALI pathogenesis. <i>ISBT Science Series</i> , 2016 , 11, 206-210	1.1	2
6	Sepsis promotes splenic production of a protective platelet pool with high CD40 ligand expression.. <i>Journal of Clinical Investigation</i> , 2022 ,	15.9	2
5	Lung Imaging in Animal Models. <i>Respiratory Medicine</i> , 2017 , 107-132	0.2	1
4	Reply: neutrophil extracellular traps in primary graft dysfunction after lung transplantation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 1089	10.2	0
3	TM Signals Monocytes Through Non-Canonical TGF β Receptor Signal Transduction. <i>Circulation Research</i> , 2021 , 128, 655-669	15.7	0
2	Dyspnea and Pulmonary Hypertension with Diffuse Centrilobular Nodules. <i>Annals of the American Thoracic Society</i> , 2016 , 13, 1858-1860	4.7	0
1	Chewing the fat on TRALI. <i>Blood</i> , 2021 , 137, 586-587	2.2	