Mark R Looney

List of Publications by Year
in descending order

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91 papers	9,581 citations	81900 39 h-index	48315 88 g-index
101 all docs	101 docs citations	101 times ranked	14752 citing authors

#	Article	IF	Citations
1	Targeting potential drivers of COVID-19: Neutrophil extracellular traps. Journal of Experimental Medicine, 2020, 217, .	8.5	1,193
2	Platelets induce neutrophil extracellular traps in transfusion-related acute lung injury. Journal of Clinical Investigation, 2012, 122, 2661-2671.	8.2	838
3	The lung is a site of platelet biogenesis and a reservoir for haematopoietic progenitors. Nature, 2017, 544, 105-109.	27.8	805
4	Lineage-negative progenitors mobilize to regenerate lung epithelium after major injury. Nature, 2015, 517, 621-625.	27.8	562
5	Transfusion-related acute lung injury: incidence and risk factors. Blood, 2012, 119, 1757-1767.	1.4	493
6	Visualization of immediate immune responses to pioneer metastatic cells in the lung. Nature, 2016, 531, 513-517.	27.8	348
7	Platelet depletion and aspirin treatment protect mice in a two-event model of transfusion-related acute lung injury. Journal of Clinical Investigation, 2009, 119, 3450-61.	8.2	342
8	Stabilized imaging of immune surveillance in the mouse lung. Nature Methods, 2011, 8, 91-96.	19.0	337
9	Maladaptive role of neutrophil extracellular traps in pathogen-induced lung injury. JCI Insight, 2018, 3, .	5.0	315
10	Neutrophils and their FcÂ receptors are essential in a mouse model of transfusion-related acute lung injury. Journal of Clinical Investigation, 2006, 116, 1615-1623.	8.2	273
11	Transfusion-Related Acute Lung Injury. Chest, 2004, 126, 249-258.	0.8	258
12	Global absence and targeting of protective immune states in severe COVID-19. Nature, 2021, 591, 124-130.	27.8	206
13	Telomere dysfunction in alveolar epithelial cells causes lung remodeling and fibrosis. JCI Insight, 2016, 1, e86704.	5.0	192
14	Neutrophil Extracellular Traps Are Pathogenic in Primary Graft Dysfunction after Lung Transplantation. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 455-463.	5.6	187
15	Extracellular DNA, Neutrophil Extracellular Traps, and Inflammasome Activation in Severe Asthma. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1076-1085.	5.6	165
16	Aspirin-triggered 15-epi-lipoxin A4 regulates neutrophil-platelet aggregation and attenuates acute lung injury in mice. Blood, 2014, 124, 2625-2634.	1.4	164
17	Spatiotemporally separated antigen uptake by alveolar dendritic cells and airway presentation to T cells in the lung. Journal of Experimental Medicine, 2012, 209, 1183-1199.	8.5	162
18	Animal models of mechanisms of <scp>SARSâ€CoVâ€2</scp> infection and <scp>COVIDâ€19</scp> pathology. British Journal of Pharmacology, 2020, 177, 4851-4865.	5.4	158

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19	The lung is a host defense niche for immediate neutrophil-mediated vascular protection. Science Immunology, 2017, 2, .	11.9	153
20	Directed transport of neutrophil-derived extracellular vesicles enables platelet-mediated innate immune response. Nature Communications, 2016, 7, 13464.	12.8	143
21	Reducing Noninfectious Risks of Blood Transfusion. Anesthesiology, 2011, 115, 635-649.	2.5	131
22	A consensus redefinition of transfusionâ€related acute lung injury. Transfusion, 2019, 59, 2465-2476.	1.6	120
23	CXCR4 identifies transitional bone marrow premonocytes that replenish the mature monocyte pool for peripheral responses. Journal of Experimental Medicine, 2016, 213, 2293-2314.	8.5	108
24	Lung megakaryocytes are immune modulatory cells. Journal of Clinical Investigation, 2021, 131, .	8.2	96
25	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, e1-e14.	2.9	82
26	Receptor for advanced glycation end-products (RAGE) is an indicator of direct lung injury in models of experimental lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L1-L5.	2.9	77
27	CD47 Deficiency Protects Mice from Lipopolysaccharide-Induced Acute Lung Injury and Escherichia coli Pneumonia. Journal of Immunology, 2008, 180, 6947-6953.	0.8	70
28	Mitochondrial DNA Stimulates TLR9-Dependent Neutrophil Extracellular Trap Formation in Primary Graft Dysfunction. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 364-372.	2.9	70
29	Prevention or Treatment of Ards With Aspirin. Shock, 2017, 47, 13-21.	2.1	67
30	Prospective Study on the Clinical Course and Outcomes in Transfusion-Related Acute Lung Injury*. Critical Care Medicine, 2014, 42, 1676-1687.	0.9	62
31	DIRECT VISUAL INSTILLATION AS A METHOD FOR EFFICIENT DELIVERY OF FLUID INTO THE DISTAL AIRSPACES OF ANESTHETIZED MICE. Experimental Lung Research, 2004, 30, 479-493.	1.2	59
32	Live Imaging of the Lung. Annual Review of Physiology, 2014, 76, 431-445.	13.1	59
33	Role of CFTR expressed by neutrophils in modulating acute lung inflammation and injury in mice. Inflammation Research, 2011, 60, 619-632.	4.0	55
34	Models of Lung Transplant Research: a consensus statement from the National Heart, Lung, and Blood Institute workshop. JCI Insight, 2017, 2, .	5.0	55
35	GPR35 promotes neutrophil recruitment in response to serotonin metabolite 5-HIAA. Cell, 2022, 185, 815-830.e19.	28.9	52
36	Transfusion Reactions. Critical Care Clinics, 2012, 28, 363-372.	2.6	51

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37	Pathophysiology of transfusion-related acute lung injury. Current Opinion in Hematology, 2010, 17, 418-423.	2.5	48
38	Contemporary Risk Factors and Outcomes of Transfusion-Associated Circulatory Overload*. Critical Care Medicine, 2018, 46, 577-585.	0.9	48
39	Platelet Biogenesis in the Lung Circulation. Physiology, 2019, 34, 392-401.	3.1	45
40	Cystic fibrosis transmembrane conductance regulator dysfunction in platelets drives lung hyperinflammation. Journal of Clinical Investigation, 2020, 130, 2041-2053.	8.2	44
41	Fresh and Stored Red Blood Cell Transfusion Equivalently Induce Subclinical Pulmonary Gas Exchange Deficit in Normal Humans. Anesthesia and Analgesia, 2012, 114, 511-519.	2.2	42
42	CD97 promotes spleen dendritic cell homeostasis through the mechanosensing of red blood cells. Science, 2022, 375, eabi5965.	12.6	42
43	Platelet-neutrophil Interactions as a Target for Prevention and Treatment of Transfusion- related Acute Lung Injury. Current Pharmaceutical Design, 2012, 18, 3260-3266.	1.9	40
44	Recipient clinical risk factors predominate in possible transfusionâ€related acute lung injury. Transfusion, 2015, 55, 947-952.	1.6	40
45	Animal models of transfusion-related acute lung injury. Critical Care Medicine, 2006, 34, S132-S136.	0.9	39
46	LPS-induced Lung Platelet Recruitment Occurs Independently from Neutrophils, PSGL-1, and P-Selectin. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 232-243.	2.9	38
47	Live Imaging of the Lung. , 2012, Chapter 12, Unit12.28.		34
48	Experimental Models of Transfusion-Related Acute Lung Injury. Transfusion Medicine Reviews, 2011, 25, 1-11.	2.0	33
49	Decreased expression of both the Î±1- and Î±2-subunits of the Na-K-ATPase reduces maximal alveolar epithelial fluid clearance. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L104-L110.	2.9	32
50	Natural killer cells activated through NKG2D mediate lung ischemia-reperfusion injury. Journal of Clinical Investigation, 2021, 131, .	8.2	32
51	Complement activation on endothelium initiates antibody-mediated acute lung injury. Journal of Clinical Investigation, 2020, 130, 5909-5923.	8.2	32
52	Modulating Pathogenesis with Mobile-CRISPRi. Journal of Bacteriology, 2019, 201, .	2.2	31
53	Neutrophil sandwiches injure the microcirculation. Nature Medicine, 2009, 15, 364-366.	30.7	30
54	In Vivo Measurement of Granzyme Proteolysis from Activated Immune Cells with PET. ACS Central Science, 2021, 7, 1638-1649.	11.3	30

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55	Bench-to-bedside review: the role of activated protein C in maintaining endothelial tight junction function and its relationship to organ injury. Critical Care, 2006, 10, 239.	5.8	28
56	Sepsis promotes splenic production of a protective platelet pool with high CD40 ligand expression. Journal of Clinical Investigation, 2022, 132, .	8.2	28
57	The spatiotemporal cellular dynamics of lung immunity. Trends in Immunology, 2014, 35, 379-386.	6.8	22
58	Hypoimmune induced pluripotent stem cellâ€“derived cell therapeutics treat cardiovascular and pulmonary diseases in immunocompetent allogeneic mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
59	Synaptophysin immunoreactivity in temporal lobe epilepsy-associated hippocampal sclerosis. Acta Neuropathologica, 1999, 98, 179-185.	7.7	19
60	Endogenous DEL-1 restrains melanoma lung metastasis by limiting myeloid cellâ€“associated lung inflammation. Science Advances, 2020, 6, .	10.3	18
61	ADAM8 signaling drives neutrophil migration and ARDS severity. JCI Insight, 2022, 7, .	5.0	18
62	Neutralizing Extracellular Histones in Acute Respiratory Distress Syndrome. A New Role for an Endogenous Pathway. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 122-124.	5.6	17
63	Non-invasive Intratracheal Instillation in Mice. Bio-protocol, 2015, 5, .	0.4	17
64	Proposed revised nomenclature for transfusionâ€related acute lung injury. Transfusion, 2017, 57, 709-713.	1.6	16
65	Role of coagulation pathways and treatment with activated protein C in hyperoxic lung injury. Thorax, 2009, 64, 114-120.	5.6	14
66	Mast Cells Present Protrusions into Blood Vessels upon Tracheal Allergen Challenge in Mice. PLoS ONE, 2015, 10, e0118513.	2.5	12
67	Inhibiting Integrin Î±vÎ²5 Reduces Ischemiaâ€“Reperfusion Injury in an Orthotopic Lung Transplant Model in Mice. American Journal of Transplantation, 2016, 16, 1306-1311.	4.7	12
68	Newly Recognized Causes of Acute Lung Injury: Transfusion of Blood Products, Severe Acute Respiratory Syndrome, and Avian Influenza. Clinics in Chest Medicine, 2006, 27, 591-600.	2.1	11
69	Formaldehyde-induced hematopoietic stem and progenitor cell toxicity in mouse lung and nose. Archives of Toxicology, 2021, 95, 693-701.	4.2	11
70	Mast cells in a murine lung ischemia-reperfusion model of primary graft dysfunction. Respiratory Research, 2014, 15, 95.	3.6	9
71	Transfusion of Human Platelets Treated with Mirasol Pathogen Reduction Technology Does Not Induce Acute Lung Injury in Mice. PLoS ONE, 2015, 10, e0133022.	2.5	9
72	Î²2M Signals Monocytes Through Non-Canonical TGFÎ² Receptor Signal Transduction. Circulation Research, 2021, 128, 655-669.	4.5	9

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73	New Insights into Clinical and Mechanistic Heterogeneity of the Acute Respiratory Distress Syndrome: Summary of the Aspen Lung Conference 2021. American Journal of Respiratory Cell and Molecular Biology, 2022, 67, 284-308.	2.9	9
74	The role of protein C in sepsis. Current Infectious Disease Reports, 2007, 3, 413-418.	3.0	8
75	Live imaging of the pulmonary immune environment. Cellular Immunology, 2020, 350, 103862.	3.0	8
76	Update on animal models for COVIDâ€19 research. British Journal of Pharmacology, 2020, 177, 5679-5681.	5.4	8
77	Synaptophysin immunohistochemistry densitometry measurement in resected human hippocampus: implication for the etiology of hippocampal sclerosis. Epilepsy Research, 1998, 32, 335-344.	1.6	7
78	An update of the transfusion-related acute lung injury (TRALI) definition. Transfusion Clinique Et Biologique, 2019, 26, 354-356.	0.4	7
79	Whither the Pulmonary Ward Attending? Preserving Subspecialty Exposure in United States Internal Medicine Residency Training. Annals of the American Thoracic Society, 2017, 14, 565-568.	3.2	6
80	Universal Principled Review: A Community-Driven Method to Improve Peer Review. Cell, 2019, 179, 1441-1445.	28.9	6
81	162. Cytokine, 2013, 63, 281.	3.2	5
82	Mirasol pathogen reduction technology treatment of human whole blood does not induce acute lung injury in mice. PLoS ONE, 2017, 12, e0178725.	2.5	5
83	Advances in Clinical and Basic Science of Coagulation: Illustrated abstracts of the 9th Chapel Hill Symposium on Hemostasis. Research and Practice in Thrombosis and Haemostasis, 2018, 2, 407-428.	2.3	5
84	Transfusion-Related Acute Lung Injury: 36 years of Progress (1985-2021). Annals of the American Thoracic Society, 2022, , .	3.2	5
85	Current concepts in <scp>TRALI</scp> pathogenesis. ISBT Science Series, 2016, 11, 206-210.	1.1	3
86	Acute lung injury after blood product transfusion: Are the times changing?*. Critical Care Medicine, 2008, 36, 1968-1970.	0.9	2
87	Lung Imaging in Animal Models. Respiratory Medicine, 2017, , 107-132.	0.1	2
88	Reply: Neutrophil Extracellular Traps in Primary Graft Dysfunction after Lung Transplantation. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 1089-1089.	5.6	1
89	Chewing the fat on TRALI. Blood, 2021, 137, 586-587.	1.4	1
90	Dyspnea and Pulmonary Hypertension with Diffuse Centrilobular Nodules. Annals of the American Thoracic Society, 2016, 13, 1858-1860.	3.2	1

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91	Two-event Transfusion-related Acute Lung Injury Mouse Model. Bio-protocol, 2015, 5, .	0.4	0