

Laura E Fredenburgh

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

3,264
citations

172457

29
h-index

214800

47
g-index

48
all docs

48
docs citations

48
times ranked

6259
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanosignaling through YAP and TAZ drives fibroblast activation and fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L344-L357.	2.9	570
2	Circulating Mitochondrial DNA in Patients in the ICU as a Marker of Mortality: Derivation and Validation. <i>PLoS Medicine</i> , 2013, 10, e1001577.	8.4	354
3	Matrix Remodeling Promotes Pulmonary Hypertension through Feedback Mechanoactivation of the YAP/TAZ-miR-130/301 Circuit. <i>Cell Reports</i> , 2015, 13, 1016-1032.	6.4	193
4	The Role of Heme Oxygenase-1 in Pulmonary Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 36, 158-165.	2.9	178
5	Circadian rhythm reprogramming during lung inflammation. <i>Nature Communications</i> , 2014, 5, 4753.	12.8	147
6	Metabolomic Derangements Are Associated with Mortality in Critically Ill Adult Patients. <i>PLoS ONE</i> , 2014, 9, e87538.	2.5	127
7	Increased Odds of Death for Patients with Interstitial Lung Disease and COVID-19: A Caseâ€“Control Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1710-1713.	5.6	108
8	Ageing and anatomical variations in lung tissue stiffness. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L946-L955.	2.9	103
9	NEDD9 targets <i>COL3A1</i> to promote endothelial fibrosis and pulmonary arterial hypertension. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	89
10	Absence of Cyclooxygenase-2 Exacerbates Hypoxia-Induced Pulmonary Hypertension and Enhances Contractility of Vascular Smooth Muscle Cells. <i>Circulation</i> , 2008, 117, 2114-2122.	1.6	80
11	A phase I trial of low-dose inhaled carbon monoxide in sepsis-induced ARDS. <i>JCI Insight</i> , 2018, 3, .	5.0	78
12	VTE in ICU Patients With COVID-19. <i>Chest</i> , 2020, 158, 2130-2135.	0.8	76
13	Identification of miRNA-rich vesicles in bronchoalveolar lavage fluid: Insights into the function and heterogeneity of extracellular vesicles. <i>Journal of Controlled Release</i> , 2019, 294, 43-52.	9.9	74
14	A Case of COVID-19 and <i>Pneumocystis jirovecii</i> Coinfection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 136-138.	5.6	68
15	Haeme oxygenase signalling pathway: implications for cardiovascular disease. <i>European Heart Journal</i> , 2015, 36, 1512-1518.	2.2	66
16	Cyclooxygenase-2 Deficiency Leads to Intestinal Barrier Dysfunction and Increased Mortality during Polymicrobial Sepsis. <i>Journal of Immunology</i> , 2011, 187, 5255-5267.	0.8	60
17	Inflammasome activation in neutrophils of patients with severe COVID-19. <i>Blood Advances</i> , 2022, 6, 2001-2013.	5.2	59
18	Distal vessel stiffening is an early and pivotal mechanobiological regulator of vascular remodeling and pulmonary hypertension. <i>JCI Insight</i> , 2016, 1, .	5.0	58

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19	RIPK3 mediates pathogenesis of experimental ventilator-induced lung injury. <i>JCI Insight</i> , 2018, 3, .	5.0	57
20	The Regulation of Proresolving Lipid Mediator Profiles in Baboon Pneumonia by Inhaled Carbon Monoxide. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 314-325.	2.9	56
21	Arterial stiffness induces remodeling phenotypes in pulmonary artery smooth muscle cells via YAP/TAZ-mediated repression of cyclooxygenase-2. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L628-L647.	2.9	55
22	Plasma surfactant protein-D as a diagnostic biomarker for acute respiratory distress syndrome: validation in US and Korean cohorts. <i>BMC Pulmonary Medicine</i> , 2017, 17, 204.	2.0	45
23	Interstitial Lung Abnormalities Are Associated with Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 138-141.	5.6	44
24	Carbonic Anhydrase Inhibition Ameliorates Inflammation and Experimental Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 512-524.	2.9	43
25	Measured pulmonary arterial tissue stiffness is highly sensitive to AFM indenter dimensions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 74, 118-127.	3.1	42
26	Metabolome alterations in severe critical illness and vitamin D status. <i>Critical Care</i> , 2017, 21, 193.	5.8	40
27	Circulating cell death biomarker TRAIL is associated with increased organ dysfunction in sepsis. <i>JCI Insight</i> , 2019, 4, .	5.0	38
28	Circulating RIPK3 levels are associated with mortality and organ failure during critical illness. <i>JCI Insight</i> , 2018, 3, .	5.0	32
29	Effects of inhaled CO administration on acute lung injury in baboons with pneumococcal pneumonia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L834-L846.	2.9	31
30	Plasma mitochondrial DNA and metabolomic alterations in severe critical illness. <i>Critical Care</i> , 2018, 22, 360.	5.8	31
31	Inflammatory and Vasoactive Effects of Serum Following Inhalation of Varied Complex Mixtures. <i>Cardiovascular Toxicology</i> , 2016, 16, 163-171.	2.7	30
32	NOS-2 Inhibition in Phosgene-Induced Acute Lung Injury. <i>Toxicological Sciences</i> , 2015, 146, 89-100.	3.1	28
33	Cyclooxygenase-2 Inhibition and Hypoxia-Induced Pulmonary Hypertension: Effects on Pulmonary Vascular Remodeling and Contractility. <i>Trends in Cardiovascular Medicine</i> , 2009, 19, 31-37.	4.9	27
34	Metabolites Associated With Malnutrition in the Intensive Care Unit Are Also Associated With 28-Day Mortality. <i>Journal of Parenteral and Enteral Nutrition</i> , 2017, 41, 188-197.	2.6	26
35	Phospholipase D isoforms differentially regulate leukocyte responses to acute lung injury. <i>Journal of Leukocyte Biology</i> , 2018, 103, 919-932.	3.3	24
36	Mechanobiological Feedback in Pulmonary Vascular Disease. <i>Frontiers in Physiology</i> , 2018, 9, 951.	2.8	23

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37	Magnetic resonance imaging provides sensitive in vivo assessment of experimental ventilator-induced lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L208-L218.	2.9	16
38	Whole blood RNA sequencing reveals a unique transcriptomic profile in patients with ARDS following hematopoietic stem cell transplantation. <i>Respiratory Research</i> , 2019, 20, 15.	3.6	16
39	Attributable mortality of acute respiratory distress syndrome: a systematic review, meta-analysis and survival analysis using targeted minimum loss-based estimation. <i>Thorax</i> , 2021, 76, 1176-1185.	5.6	16
40	Semi-quantitative visual assessment of chest radiography is associated with clinical outcomes in critically ill patients. <i>Respiratory Research</i> , 2019, 20, 218.	3.6	12
41	A Novel Protective Role for Matrix Metalloproteinase-8 in the Pulmonary Vasculature. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1433-1451.	5.6	11
42	Mild Persistent Asthma – Polling Results. <i>New England Journal of Medicine</i> , 2007, 357, 179-180.	27.0	8
43	Intermediate versus standard dose heparin prophylaxis in COVID-19 ICU patients: A propensity score-matched analysis. <i>Thrombosis Research</i> , 2021, 203, 57-60.	1.7	8
44	The Mechanobiology of Vascular Remodeling in the Aging Lung. <i>Physiology</i> , 2022, 37, 28-38.	3.1	7
45	Reply to Blaize et al.: COVID-19-related Respiratory Failure and Lymphopenia Do Not Seem Associated with Pneumocystosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1736-1737.	5.6	5
46	Noncanonical role for Ku70/80 in the prevention of allergic airway inflammation via maintenance of airway epithelial cell organelle homeostasis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L728-L741.	2.9	3
47	Endogenous Carbon Monoxide Production and Diffusing Capacity of the Lung for Carbon Monoxide in Sepsis-Induced Acute Respiratory Distress Syndrome. , 2020, 2, e0286.		1
48	Possible selection bias limits the interpretation of single-cell transcriptomics data of steroid-resistant asthma exacerbation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2102858118.	7.1	1