Mauricio Rojas

List of Publications by Year
in descending order

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81 papers	5,643 citations	87888 38 h-index	82547 72 g-index
99 all docs	99 docs citations	99 times ranked	7527 citing authors

#	Article	IF	Citations
1	Bone Marrowâ€“Derived Mesenchymal Stem Cells in Repair of the Injured Lung. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 145-152.	2.9	748
2	PINK1 deficiency impairs mitochondrial homeostasis and promotes lung fibrosis. Journal of Clinical Investigation, 2015, 125, 521-538.	8.2	431
3	Proliferating SPP1/MERTK-expressing macrophages in idiopathic pulmonary fibrosis. European Respiratory Journal, 2019, 54, 1802441.	6.7	400
4	Prevention of endotoxin-induced systemic response by bone marrow-derived mesenchymal stem cells in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L131-L141.	2.9	329
5	Emerging therapies for idiopathic pulmonary fibrosis, a progressive age-related disease. Nature Reviews Drug Discovery, 2017, 16, 755-772.	46.4	251
6	IPF lung fibroblasts have a senescent phenotype. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L1164-L1173.	2.9	219
7	Single-cell analysis reveals fibroblast heterogeneity and myofibroblasts in systemic sclerosis-associated interstitial lung disease. Annals of the Rheumatic Diseases, 2019, 78, 1379-1387.	0.9	178
8	Aging Mesenchymal Stem Cells Fail to Protect Because of Impaired Migration and Antiinflammatory Response. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 787-798.	5.6	166
9	Mitochondria in the spotlight of aging and idiopathic pulmonary fibrosis. Journal of Clinical Investigation, 2017, 127, 405-414.	8.2	163
10	<scp>mTORC</scp> 1 activation decreases autophagy in aging and idiopathic pulmonary fibrosis and contributes to apoptosis resistance in <scp>IPF</scp> fibroblasts. Aging Cell, 2016, 15, 1103-1112.	6.7	140
11	Role of Endoplasmic Reticulum Stress in Age-Related Susceptibility to Lung Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 748-756.	2.9	118
12	Idiopathic Pulmonary Fibrosis: Aging, Mitochondrial Dysfunction, and Cellular Bioenergetics. Frontiers in Medicine, 2018, 5, 10.	2.6	115
13	Inflammatory Macrophage Expansion in Pulmonary Hypertension Depends upon Mobilization of Blood-Borne Monocytes. Journal of Immunology, 2018, 200, 3612-3625.	0.8	105
14	Mitochondria dysfunction and metabolic reprogramming as drivers of idiopathic pulmonary fibrosis. Redox Biology, 2020, 33, 101509.	9.0	104
15	miR-155 in the progression of lung fibrosis in systemic sclerosis. Arthritis Research and Therapy, 2016, 18, 155.	3.5	96
16	<scp>ATF</scp>3 represses <scp>PINK</scp>1 gene transcription in lung epithelial cells to control mitochondrial homeostasis. Aging Cell, 2018, 17, e12720.	6.7	86
17	Sympathetic Neuronal Activation Triggers Myeloid Progenitor Proliferation and Differentiation. Immunity, 2018, 49, 93-106.e7.	14.3	81
18	Applications and Approaches for Three-Dimensional Precision-Cut Lung Slices. Disease Modeling and Drug Discovery. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 681-691.	2.9	79

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19	Use of Senescence-Accelerated Mouse Model in Bleomycin-Induced Lung Injury Suggests That Bone Marrow-Derived Cells Can Alter the Outcome of Lung Injury in Aged Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 731-739.	3.6	76
20	Influence of age on wound healing and fibrosis. Journal of Pathology, 2013, 229, 310-322.	4.5	75
21	Oxidation of extracellular cysteine/cystine redox state in bleomycin-induced lung fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L37-L45.	2.9	73
22	Activation of Human Mesenchymal Stem Cells Impacts Their Therapeutic Abilities in Lung Injury by Increasing Interleukin (IL)-10 and IL-1RN Levels. Stem Cells Translational Medicine, 2013, 2, 884-895.	3.3	70
23	Senescence of bone marrow-derived mesenchymal stem cells from patients with idiopathic pulmonary fibrosis. Stem Cell Research and Therapy, 2018, 9, 257.	5.5	70
24	Aging and Interstitial Lung Diseases: Unraveling an Old Forgotten Player in the Pathogenesis of Lung Fibrosis. Seminars in Respiratory and Critical Care Medicine, 2010, 31, 607-617.	2.1	68
25	PINK1 attenuates mtDNA release in alveolar epithelial cells and TLR9 mediated profibrotic responses. PLoS ONE, 2019, 14, e0218003.	2.5	65
26	Transcriptional profiling of lung cell populations in idiopathic pulmonary arterial hypertension. Pulmonary Circulation, 2020, 10, 1-15.	1.7	64
27	TSP1â€“CD47 signaling is upregulated in clinical pulmonary hypertension and contributes to pulmonary arterial vasculopathy and dysfunction. Cardiovascular Research, 2017, 113, 15-29.	3.8	58
28	Microbiome in lung explants of idiopathic pulmonary fibrosis: a caseâ€“control study in patients with end-stage fibrosis. Thorax, 2018, 73, 481-484.	5.6	56
29	The Intersection of Aging Biology and the Pathobiology of Lung Diseases: A Joint NHLBI/NIA Workshop. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1492-1500.	3.6	55
30	BOLA (BolA Family Member 3) Deficiency Controls Endothelial Metabolism and Glycine Homeostasis in Pulmonary Hypertension. Circulation, 2019, 139, 2238-2255.	1.6	54
31	Disparate Interferon Signaling and Shared Aberrant Basaloid Cells in Single-Cell Profiling of Idiopathic Pulmonary Fibrosis and Systemic Sclerosis-Associated Interstitial Lung Disease. Frontiers in Immunology, 2021, 12, 595811.	4.8	54
32	Mesenchymal stem cells in the treatment of chronic lung disease. Respirology, 2016, 21, 1366-1375.	2.3	52
33	Inhomogeneity of local stiffness in the extracellular matrix scaffold of fibrotic mouse lungs. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 37, 186-195.	3.1	50
34	Aging and Lung Disease. Clinical Impact and Cellular and Molecular Pathways. Annals of the American Thoracic Society, 2015, 12, S222-S227.	3.2	50
35	MEF2C-MYOCD and Leiomodin1 Suppression by miRNA-214 Promotes Smooth Muscle Cell Phenotype Switching in Pulmonary Arterial Hypertension. PLoS ONE, 2016, 11, e0153780.	2.5	47
36	Cellular Senescence: The Trojan Horse in Chronic Lung Diseases. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 21-30.	2.9	45

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37	Targeting the deubiquitinase STAMBP inhibits NALP7 inflammasome activity. Nature Communications, 2017, 8, 15203.	12.8	44
38	Endothelial Nox1 oxidase assembly in human pulmonary arterial hypertension; driver of Gremlin1-mediated proliferation. Clinical Science, 2017, 131, 2019-2035.	4.3	43
39	Chemical inhibition of FBXO7 reduces inflammation and confers neuroprotection by stabilizing the mitochondrial kinase PINK1. JCI Insight, 2020, 5, .	5.0	40
40	Effect of Bone Marrow-Derived Mesenchymal Stem Cells on Endotoxin-Induced Oxidation of Plasma Cysteine and Glutathione in Mice. Stem Cells International, 2010, 2010, 1-9.	2.5	39
41	Aging promotes pro-fibrotic matrix production and increases fibrocyte recruitment during acute lung injury. Advances in Bioscience and Biotechnology (Print), 2014, 05, 19-30.	0.7	39
42	Frataxin deficiency promotes endothelial senescence in pulmonary hypertension. Journal of Clinical Investigation, 2021, 131, .	8.2	38
43	Interleukin-6 mediates neutrophil mobilization from bone marrow in pulmonary hypertension. Cellular and Molecular Immunology, 2021, 18, 374-384.	10.5	36
44	Cellular Senescence in Lung Fibrosis. International Journal of Molecular Sciences, 2021, 22, 7012.	4.1	33
45	Modified mesenchymal stem cells using miRNA transduction alter lung injury in a bleomycin model. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L92-L103.	2.9	32
46	MicroRNA-144-3p targets relaxin/insulin-like family peptide receptor 1 (RXFP1) expression in lung fibroblasts from patients with idiopathic pulmonary fibrosis. Journal of Biological Chemistry, 2019, 294, 5008-5022.	3.4	29
47	Regenerative medicine in the treatment of idiopathic pulmonary fibrosis: current position. Stem Cells and Cloning: Advances and Applications, 2015, 8, 61.	2.3	27
48	Toll interacting protein protects bronchial epithelial cells from bleomycinâ€induced apoptosis. FASEB Journal, 2020, 34, 9884-9898.	0.5	27
49	Intracellular Heat Shock Protein 70 Deficiency in Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 629-636.	2.9	26
50	Targeting Pulmonary Endothelial Hemoglobin Î± Improves Nitric Oxide Signaling and Reverses Pulmonary Artery Endothelial Dysfunction. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 733-744.	2.9	24
51	Molecular Signatures of Idiopathic Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 430-441.	2.9	23
52	Single cell RNA sequencing identifies IGFBP5 and QKI as ciliated epithelial cell genes associated with severe COPD. Respiratory Research, 2021, 22, 100.	3.6	18
53	Mesenchymal stem cells reduce ER stress via PERKâ€Nrf2 pathway in an aged mouse model. Respirology, 2020, 25, 417-426.	2.3	16
54	Computational repurposing of therapeutic small molecules from cancer to pulmonary hypertension. Science Advances, 2021, 7, eabh3794.	10.3	16

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55	Prevalence of intratumoral regulatory T cells expressing neuropilin-1 is associated with poorer outcomes in patients with cancer. Science Translational Medicine, 2021, 13, eabf8495.	12.4	16
56	Human ex vivo lung perfusion: a novel model to study human lung diseases. Scientific Reports, 2021, 11, 490.	3.3	15
57	Apoptosis of hematopoietic progenitor-derived adipose tissueâ€"resident macrophages contributes to insulin resistance after myocardial infarction. Science Translational Medicine, 2020, 12, .	12.4	13
58	Cigarette smoke exposure enhances transforming acidic coiled-coilâ€"containing protein 2 turnover and thereby promotes emphysema. JCI Insight, 2020, 5, .	5.0	13
59	Splenic hematopoietic stem cells display a preâ€activated phenotype. Immunology and Cell Biology, 2018, 96, 772-784.	2.3	12
60	Mitochondria, Aging, and Cellular Senescence: Implications for Scleroderma. Current Rheumatology Reports, 2020, 22, 37.	4.7	12
61	Impaired Bile Secretion Promotes Hepatobiliary Injury in Sickle Cell Disease. Hepatology, 2020, 72, 2165-2181.	7.3	12
62	Colocalization of Gene Expression and DNA Methylation with Genetic Risk Variants Supports Functional Roles of <i>MUC5B</i> and <i>DSP</i> in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1259-1270.	5.6	12
63	RNA sequencing identifies common pathways between cigarette smoke exposure and replicative senescence in human airway epithelia. BMC Genomics, 2019, 20, 22.	2.8	11
64	Topographic heterogeneity of lung microbiota in end-stage idiopathic pulmonary fibrosis: the Microbiome in Lung Explants-2 (MiLEs-2) study. Thorax, 2021, 76, 239-247.	5.6	11
65	Reduced Proportion and Activity of Natural Killer Cells in the Lung of Patients with Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 608-610.	5.6	9
66	Fatty acid nitroalkene reversal of established lung fibrosis. Redox Biology, 2022, 50, 102226.	9.0	9
67	Impaired anti-fibrotic effect of bone marrow-derived mesenchymal stem cell in a mouse model of pulmonary paracoccidioidomycosis. PLoS Neglected Tropical Diseases, 2017, 11, e0006006.	3.0	8
68	Deubiquitinase USP13 promotes extracellular matrix expression by stabilizing Smad4 in lung fibroblast cells. Translational Research, 2020, 223, 15-24.	5.0	7
69	Cardiomyocyte BRAF and type 1 RAF inhibitors promote cardiomyocyte and cardiac hypertrophy in mice <i>in vivo</i>. Biochemical Journal, 2022, 479, 401-424.	3.7	6
70	Loss of Amphiregulin drives inflammation and endothelial apoptosis in pulmonary hypertension. Life Science Alliance, 2022, 5, e202101264.	2.8	6
71	Parabiotic model for differentiating local and systemic effects of continuous and intermittent hypoxia. Journal of Applied Physiology, 2015, 118, 42-47.	2.5	5
72	Towards a global initiative for fibrosis treatment (GIFT). ERJ Open Research, 2017, 3, 00106-2017.	2.6	5

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73	Determination of Senescent Myofibroblasts in Precision-Cut Lung. Methods in Molecular Biology, 2021, 2299, 139-145.	0.9	4
74	Lost in Translation: Endoplasmic Reticulumâ€"Mitochondria Crosstalk in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 408-409.	2.9	3
75	Cigarette smoking is a secondary cause of folliculin loss. Thorax, 2023, 78, 402-408.	5.6	3
76	Mesenchymal Regulation of the Microvascular Niche in Chronic Lung Diseases. , 2019, 9, 1431-1441.		2
77	Building Strong Neighborhoods in the Lung with a Little Help from My Mesenchymal Stem Cells. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1176-1178.	5.6	2
78	Romulus and Remus of Inflammation: The Conflicting Roles of MAP2K1 and MAP2K2 in Acute Respiratory Distress Syndrome. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 479-480.	2.9	1
79	Editorial: Defining and Characterizing Respiratory Disease in an Aging Population. Frontiers in Medicine, 2022, 9, 889834.	2.6	1
80	Effect of a Surfactant Additive on Drug Transport and Distribution Uniformity After Aerosol Delivery to Ex Vivo Lungs. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2021, , .	1.4	0
81	IPF: Letâ€™s Keep the Focus on the A(ge)TII cell. American Journal of Respiratory and Critical Care Medicine, 0, , .	5.6	0