

Joe G N Garcia

List of Publications by Year in descending order

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237
papers

15,415
citations

14655

66
h-index

21540

114
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237
all docs

237
docs citations

237
times ranked

13320
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytoskeletal regulation of pulmonary vascular permeability. <i>Journal of Applied Physiology</i> , 2001, 91, 1487-1500.	2.5	892
2	Sphingosine 1-phosphate promotes endothelial cell barrier integrity by Edg-dependent cytoskeletal rearrangement. <i>Journal of Clinical Investigation</i> , 2001, 108, 689-701.	8.2	773
3	Regulation of endothelial cell gap formation and barrier dysfunction: Role of myosin light chain phosphorylation. <i>Journal of Cellular Physiology</i> , 1995, 163, 510-522.	4.1	511
4	Genetic variants associated with idiopathic pulmonary fibrosis susceptibility and mortality: a genome-wide association study. <i>Lancet Respiratory Medicine</i> , 2013, 1, 309-317.	10.7	486
5	Protective Effects of Sphingosine 1-Phosphate in Murine Endotoxin-induced Inflammatory Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 169, 1245-1251.	5.6	483
6	Pre- β -Cell Colony-enhancing Factor as a Potential Novel Biomarker in Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 361-370.	5.6	386
7	Activated Protein C Mediates Novel Lung Endothelial Barrier Enhancement. <i>Journal of Biological Chemistry</i> , 2005, 280, 17286-17293.	3.4	349
8	Pulmonary Endothelial Cell Barrier Enhancement by Sphingosine 1-Phosphate. <i>Journal of Biological Chemistry</i> , 2004, 279, 24692-24700.	3.4	271
9	Peripheral Blood Mononuclear Cell Gene Expression Profiles Predict Poor Outcome in Idiopathic Pulmonary Fibrosis. <i>Science Translational Medicine</i> , 2013, 5, 205ra136.	12.4	242
10	Focal Adhesions. <i>Circulation Research</i> , 2006, 98, 606-616.	4.5	238
11	Magnitude-dependent regulation of pulmonary endothelial cell barrier function by cyclic stretch. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 285, L785-L797.	2.9	233
12	Sphingosine 1-Phosphate Reduces Vascular Leak in Murine and Canine Models of Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 987-993.	5.6	211
13	Differential effect of MLC kinase in TNF- α -induced endothelial cell apoptosis and barrier dysfunction. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 280, L1168-L1178.	2.9	200
14	Novel Polymorphisms in the Myosin Light Chain Kinase Gene Confer Risk for Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 34, 487-495.	2.9	197
15	A Variant in the Promoter of <i>MUC5B</i> and Idiopathic Pulmonary Fibrosis. <i>New England Journal of Medicine</i> , 2011, 364, 1576-1577.	27.0	185
16	Endothelial cell barrier regulation by sphingosine 1-phosphate. <i>Journal of Cellular Biochemistry</i> , 2004, 92, 1075-1085.	2.6	180
17	Microtubule disassembly induces cytoskeletal remodeling and lung vascular barrier dysfunction: Role of Rho-dependent mechanisms. <i>Journal of Cellular Physiology</i> , 2004, 201, 55-70.	4.1	170
18	A Differentiation-dependent Splice Variant of Myosin Light Chain Kinase, MLCK1, Regulates Epithelial Tight Junction Permeability. <i>Journal of Biological Chemistry</i> , 2004, 279, 55506-55513.	3.4	151

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19	Extracellular nicotinamide phosphoribosyltransferase (NAMPT) promotes M2 macrophage polarization in chronic lymphocytic leukemia. <i>Blood</i> , 2015, 125, 111-123.	1.4	151
20	Differential Effects of Sphingosine 1-Phosphate Receptors on Airway and Vascular Barrier Function in the Murine Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 43, 394-402.	2.9	150
21	Epoxy-cyclopentenone-Containing Oxidized Phospholipids Restore Endothelial Barrier Function via Cdc42 and Rac. <i>Circulation Research</i> , 2004, 95, 892-901.	4.5	146
22	Cytoskeletal Activation and Altered Gene Expression in Endothelial Barrier Regulation by Simvastatin. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2004, 30, 662-670.	2.9	144
23	S1P induces FA remodeling in human pulmonary endothelial cells: role of Rac, GIT1, FAK, and paxillin. <i>Journal of Applied Physiology</i> , 2003, 94, 1193-1203.	2.5	143
24	Adherent neutrophils activate endothelial myosin light chain kinase: role in transendothelial migration. <i>Journal of Applied Physiology</i> , 1998, 84, 1817-1821.	2.5	137
25	Nontuberculous Mycobacterial Disease Mortality in the United States, 1999-2010: A Population-Based Comparative Study. <i>PLoS ONE</i> , 2014, 9, e91879.	2.5	131
26	Sphingosine-1-Phosphate, FTY720, and Sphingosine-1-Phosphate Receptors in the Pathobiology of Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 6-17.	2.9	127
27	Unique Toll-Like Receptor 4 Activation by NAMPT/PBEF Induces NF- κ B Signaling and Inflammatory Lung Injury. <i>Scientific Reports</i> , 2015, 5, 13135.	3.3	126
28	Involvement of site-specific FAK phosphorylation in sphingosine-1-phosphate- and thrombin-induced focal adhesion remodeling: role of Src and GIT. <i>FASEB Journal</i> , 2003, 17, 2240-2249.	0.5	123
29	A Single Human Myosin Light Chain Kinase Gene (MLCK; MYLK) Transcribes Multiple Nonmuscle Isoforms. <i>Genomics</i> , 1999, 57, 256-267.	2.9	122
30	Genetic determinants of risk in pulmonary arterial hypertension: international genome-wide association studies and meta-analysis. <i>Lancet Respiratory Medicine</i> , 2019, 7, 227-238.	10.7	122
31	Endothelial HIF-2 α Contributes to Severe Pulmonary Hypertension by Inducing Endothelial-to-Mesenchymal Transition. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, ajplung.00096.2.	2.9	121
32	Variation in the myosin light chain kinase gene is associated with development of acute lung injury after major trauma*. <i>Critical Care Medicine</i> , 2008, 36, 2794-2800.	0.9	120
33	Thrombin receptor activating peptides induce Ca ²⁺ mobilization, barrier dysfunction, prostaglandin synthesis, and platelet-derived growth factor mRNA expression in cultured endothelium. <i>Journal of Cellular Physiology</i> , 1993, 156, 541-549.	4.1	117
34	Validation of a 52-gene risk profile for outcome prediction in patients with idiopathic pulmonary fibrosis: an international, multicentre, cohort study. <i>Lancet Respiratory Medicine</i> , 2017, 5, 857-868.	10.7	115
35	Orthologous gene-expression profiling in multi-species models: search for candidate genes. <i>Genome Biology</i> , 2004, 5, R34.	9.6	112
36	Essential Role of Pre-B-Cell Colony Enhancing Factor in Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 605-617.	5.6	111

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37	Involvement of microtubules and Rho pathway in TGF- β 1-induced lung vascular barrier dysfunction. <i>Journal of Cellular Physiology</i> , 2005, 204, 934-947.	4.1	107
38	Biochemical Regulation of the Nonmuscle Myosin Light Chain Kinase Isoform in Bovine Endothelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 19, 767-776.	2.9	103
39	Regulation of endothelial cell myosin light chain kinase by Rho, cortactin, and p60 ^{src} . <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L989-L998.	2.9	103
40	Abl Tyrosine Kinase Phosphorylates Nonmuscle Myosin Light Chain Kinase to Regulate Endothelial Barrier Function. <i>Molecular Biology of the Cell</i> , 2010, 21, 4042-4056.	2.1	101
41	Genomic assessment of a multikinase inhibitor, sorafenib, in a rodent model of pulmonary hypertension. <i>Physiological Genomics</i> , 2008, 33, 278-291.	2.3	100
42	p38 MAP kinase-dependent regulation of endothelial cell permeability. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 287, L911-L918.	2.9	98
43	Caspase-dependent cleavage of myosin light chain kinase (MLCK) is involved in TNF-mediated bovine pulmonary endothelial cell apoptosis. <i>FASEB Journal</i> , 2003, 17, 407-416.	0.5	96
44	Pre-B-cell-colony-enhancing factor is critically involved in thrombin-induced lung endothelial cell barrier dysregulation. <i>Microvascular Research</i> , 2005, 70, 142-151.	2.5	95
45	Differential Regulation of Human Lung Epithelial and Endothelial Barrier Function by Thrombin. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2004, 31, 517-527.	2.9	92
46	Novel interaction of cortactin with endothelial cell myosin light chain kinase. <i>Biochemical and Biophysical Research Communications</i> , 2002, 298, 511-519.	2.1	91
47	Differential regulation of diverse physiological responses to VEGF in pulmonary endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 281, L1500-L1511.	2.9	86
48	Endothelial cell barrier enhancement by ATP is mediated by the small GTPase Rac and cortactin. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L289-L295.	2.9	83
49	Integrating microRNAs into a system biology approach to acute lung injury. <i>Translational Research</i> , 2011, 157, 180-190.	5.0	81
50	Enhanced interaction between focal adhesion and adherens junction proteins: Involvement in sphingosine 1-phosphate-induced endothelial barrier enhancement. <i>Microvascular Research</i> , 2009, 77, 304-313.	2.5	79
51	Role of Nrf2 and Autophagy in Acute Lung Injury. <i>Current Pharmacology Reports</i> , 2016, 2, 91-101.	3.0	77
52	The Consequences of Overlapping G-Quadruplexes and i-Motifs in the Platelet-Derived Growth Factor Receptor β Core Promoter Nucleosome Hypersensitive Element Can Explain the Unexpected Effects of Mutations and Provide Opportunities for Selective Targeting of Both Structures by Small Molecules To Downregulate Gene Expression. <i>Journal of the American Chemical Society</i> , 2017, 139, 7456-7475.	18.7	77
53	Deficiency of Akt1, but not Akt2, attenuates the development of pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L208-L220.	2.9	75
54	Microarray analysis of regional cellular responses to local mechanical stress in acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L851-L861.	2.9	74

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55	Hyaluronic Acid Binding Protein 2 Is a Novel Regulator of Vascular Integrity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 483-490.	2.4	74
56	A transcribed pseudogene of <i>MYLK</i> promotes cell proliferation. <i>FASEB Journal</i> , 2011, 25, 2305-2312.	0.5	74
57	Nampt secreted from cardiomyocytes promotes development of cardiac hypertrophy and adverse ventricular remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H415-H426.	3.2	74
58	Thrombin-mediated Focal Adhesion Plaque Reorganization in Endothelium: Role of Protein Phosphorylation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1997, 17, 443-455.	2.9	73
59	Peripheral Blood Gene Expression as a Novel Genomic Biomarker in Complicated Sarcoidosis. <i>PLoS ONE</i> , 2012, 7, e44818.	2.5	73
60	Role of c-Met/Phosphatidylinositol 3-Kinase (PI3k)/Akt Signaling in Hepatocyte Growth Factor (HGF)-mediated Lamellipodia Formation, Reactive Oxygen Species (ROS) Generation, and Motility of Lung Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 13476-13491.	3.4	73
61	Signaling Pathways Involved in Adenosine Triphosphate-Induced Endothelial Cell Barrier Enhancement. <i>Circulation Research</i> , 2005, 97, 115-124.	4.5	72
62	Pleiotropic Effects of Interleukin-6 in a Two-Hit Murine Model of Acute Respiratory Distress Syndrome. <i>Pulmonary Circulation</i> , 2014, 4, 280-288.	1.7	72
63	Imatinib attenuates inflammation and vascular leak in a clinically relevant two-hit model of acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L1294-L1304.	2.9	72
64	Expression of a Novel High Molecular-Weight Myosin Light Chain Kinase in Endothelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 19, 758-766.	2.9	70
65	Non-Muscle Myosin Light Chain Kinase Isoform Is a Viable Molecular Target in Acute Inflammatory Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 44, 40-52.	2.9	69
66	Pathogenic role of calcium-sensing receptors in the development and progression of pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L846-L859.	2.9	69
67	ATP promotes cell survival via regulation of cytosolic $[Ca^{2+}]$ and Bcl-2/Bax ratio in lung cancer cells. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C99-C114.	4.6	68
68	Identification of Jak-STAT signaling involvement in sarcoidosis severity via a novel microRNA-regulated peripheral blood mononuclear cell gene signature. <i>Scientific Reports</i> , 2017, 7, 4237.	3.3	67
69	Critical involvement of p38 MAP kinase in pertussis toxin-induced cytoskeletal reorganization and lung permeability. <i>FASEB Journal</i> , 2002, 16, 1064-1076.	0.5	66
70	Racial Differences in Mortality from Severe Acute Respiratory Failure in the United States, 2008-2012. <i>Annals of the American Thoracic Society</i> , 2016, 13, 2184-2189.	3.2	64
71	Regulation of Hyperoxia-induced NADPH Oxidase Activation in Human Lung Endothelial Cells by the Actin Cytoskeleton and Cortactin. <i>Journal of Biological Chemistry</i> , 2007, 282, 23284-23295.	3.4	63
72	Simvastatin Attenuates Radiation-Induced Murine Lung Injury and Dysregulated Lung Gene Expression. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 44, 415-422.	2.9	62

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73	Mechanical Stress Induces Pre-B-cell Colony-Enhancing Factor/NAMPT Expression via Epigenetic Regulation by miR-374a and miR-568 in Human Lung Endothelium. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 409-418.	2.9	62
74	Sphingosine-1-phosphate lyase is an endogenous suppressor of pulmonary fibrosis: role of S1P signalling and autophagy. Thorax, 2015, 70, 1138-1148.	5.6	62
75	A variant of the myosin light chain kinase gene is associated with severe asthma in African Americans. Genetic Epidemiology, 2007, 31, 296-305.	1.3	60
76	LPS-induced Acute Lung Injury Involves NF- κ B-mediated Downregulation of SOX18. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 614-624.	2.9	59
77	Regulation of endothelial cell barrier function by calcium/calmodulin-dependent protein kinase II. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L983-L990.	2.9	58
78	Regulation of the Micromechanical Properties of Pulmonary Endothelium by S1P and Thrombin: Role of Cortactin. Biophysical Journal, 2008, 95, 886-894.	0.5	58
79	Ezrin/radixin/moesin proteins differentially regulate endothelial hyperpermeability after thrombin. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L240-L255.	2.9	58
80	Bixin protects mice against ventilation-induced lung injury in an NRF2-dependent manner. Scientific Reports, 2016, 6, 18760.	3.3	58
81	Role of sphingolipids in murine radiation-induced lung injury: protection by sphingosine 1-phosphate analogs. FASEB Journal, 2011, 25, 3388-3400.	0.5	57
82	Nicotinamide Phosphoribosyltransferase Promotes Pulmonary Vascular Remodeling and Is a Therapeutic Target in Pulmonary Arterial Hypertension. Circulation, 2017, 135, 1532-1546.	1.6	57
83	Thrombin-induced prostacyclin biosynthesis in human endothelium: Role of guanine nucleotide regulatory proteins in stimulus/coupling responses. Journal of Cellular Physiology, 1990, 142, 186-193.	4.1	56
84	Polymorphisms in the myosin light chain kinase gene that confer risk of severe sepsis are associated with a lower risk of asthma. Journal of Allergy and Clinical Immunology, 2007, 119, 1111-1118.	2.9	56
85	Endothelial eNAMPT amplifies pre-clinical acute lung injury: efficacy of an eNAMPT-neutralising monoclonal antibody. European Respiratory Journal, 2021, 57, 2002536.	6.7	53
86	Genome-Wide Association Study in African Americans with Acute Respiratory Distress Syndrome Identifies the Selectin P Ligand Gene as a Risk Factor. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1421-1432.	5.6	50
87	Development of a biomarker mortality risk model in acute respiratory distress syndrome. Critical Care, 2019, 23, 410.	5.8	50
88	Critical role of PBEF expression in pulmonary cell inflammation and permeability. Cell Biology International, 2009, 33, 19-30.	3.0	49
89	Pathogenic Role of mTORC1 and mTORC2 in Pulmonary Hypertension. JACC Basic To Translational Science, 2018, 3, 744-762.	4.1	47
90	Endothelial cell myosin light chain kinase (MLCK) regulates TNF α -induced NF κ B activity. Journal of Cellular Biochemistry, 2005, 94, 351-364.	2.6	45

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91	Quantitative distribution and colocalization of non-muscle myosin light chain kinase isoforms and cortactin in human lung endothelium. <i>Microvascular Research</i> , 2010, 80, 75-88.	2.5	45
92	Role of Migratory Inhibition Factor in Age-Related Susceptibility to Radiation Lung Injury via NF-E2â€œRelated Factorâ€œ2 and Antioxidant Regulation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 269-278.	2.9	45
93	FTY720 (S)-Phosphonate Preserves Sphingosine 1-Phosphate Receptor 1 Expression and Exhibits Superior Barrier Protection to FTY720 in Acute Lung Injury. <i>Critical Care Medicine</i> , 2014, 42, e189-e199.	0.9	45
94	Metabolic Changes Precede the Development of Pulmonary Hypertension in the Monocrotaline Exposed Rat Lung. <i>PLoS ONE</i> , 2016, 11, e0150480.	2.5	44
95	The role of caldesmon in the regulation of endothelial cytoskeleton and migration. <i>Journal of Cellular Physiology</i> , 2005, 203, 520-528.	4.1	43
96	Use of consomic rats for genomic insights into ventilator-associated lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L292-L302.	2.9	43
97	Protective effects of high-molecular weight Polyethylene Glycol (PEG) in human lung endothelial cell barrier regulation: Role of actin cytoskeletal rearrangement. <i>Microvascular Research</i> , 2009, 77, 174-186.	2.5	43
98	Inhibition of serine palmitoyltransferase delays the onset of radiation-induced pulmonary fibrosis through the negative regulation of sphingosine kinase-1 expression. <i>Journal of Lipid Research</i> , 2012, 53, 1553-1568.	4.2	43
99	Functional promoter variants in sphingosine 1-phosphate receptor 3 associate with susceptibility to sepsis-associated acute respiratory distress syndrome. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 305, L467-L477.	2.9	43
100	Involvement of c-Src in diperoxovanadate-induced endothelial cell barrier dysfunction. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 279, L441-L451.	2.9	42
101	Novel Role for Non-muscle Myosin Light Chain Kinase (MLCK) in Hyperoxia-induced Recruitment of Cytoskeletal Proteins, NADPH Oxidase Activation, and Reactive Oxygen Species Generation in Lung Endothelium. <i>Journal of Biological Chemistry</i> , 2012, 287, 9360-9375.	3.4	42
102	MicroRNA Regulation of Nonmuscle Myosin Light Chain Kinase Expression in Human Lung Endothelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 58-66.	2.9	42
103	â€œN-of-1<i> pathways</i>â€œ™ unveils personal deregulated mechanisms from a single pair of RNA-Seq samples: towards precision medicine. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014, 21, 1015-1025.	4.4	42
104	A functional genomic model for predicting prognosis in idiopathic pulmonary fibrosis. <i>BMC Pulmonary Medicine</i> , 2015, 15, 147.	2.0	42
105	Wading into the Genomic Pool to Unravel Acute Lung Injury Genetics. <i>Proceedings of the American Thoracic Society</i> , 2007, 4, 69-76.	3.5	41
106	Divergent changes of p53 in pulmonary arterial endothelial and smooth muscle cells involved in the development of pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L216-L228.	2.9	41
107	Phosphatase 2A is involved in endothelial cell microtubule remodeling and barrier regulation. <i>Journal of Cellular Biochemistry</i> , 2004, 92, 534-546.	2.6	40
108	The <i>NAMPT</i> Promoter Is Regulated by Mechanical Stress, Signal Transducer and Activator of Transcription 5, and Acute Respiratory Distress Syndromeâ€œAssociated Genetic Variants. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 660-667.	2.9	40

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109	Nuclear factor, erythroid 2-like 2-associated molecular signature predicts lung cancer survival. <i>Scientific Reports</i> , 2015, 5, 16889.	3.3	39
110	RPA1 binding to NRF2 switches ARE-dependent transcriptional activation to ARE-NREâ€œdependent repression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10352-E10361.	7.1	39
111	Direct Extracellular NAMPT Involvement in Pulmonary Hypertension and Vascular Remodeling. Transcriptional Regulation by SOX and HIF-2Î±. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 92-103.	2.9	39
112	The usefulness of bronchoalveolar lavage in identifying past occupational exposure to asbestos: A light and electron microscopy study. <i>American Journal of Industrial Medicine</i> , 1991, 19, 619-628.	2.1	38
113	Functional variants of the sphingosine-1-phosphate receptor 1 gene associate with asthma susceptibility. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 126, 241-249.e3.	2.9	38
114	Phorbol esters increase MLC phosphorylation and actin remodeling in bovine lung endothelium without increased contraction. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 285, L415-L426.	2.9	37
115	Comparison of SNP tagging methods using empirical data: association study of 713 SNPs on chromosome 12q14.3â€œ12q24.21 for asthma and total serum IgE in an African Caribbean population. <i>Genetic Epidemiology</i> , 2006, 30, 609-619.	1.3	37
116	Nicotinamide Phosphoribosyltransferase Inhibitor Is a Novel Therapeutic Candidate in Murine Models of Inflammatory Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 223-228.	2.9	37
117	Genomic insights into acute inflammatory lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L1113-L1117.	2.9	36
118	Dysregulated Nox4 ubiquitination contributes to redox imbalance and age-related severity of acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L297-L308.	2.9	36
119	Tetramethylpyrazine: A promising drug for the treatment of pulmonary hypertension. <i>British Journal of Pharmacology</i> , 2020, 177, 2743-2764.	5.4	36
120	Intracellular interaction of myosin light chain kinase with macrophage migration inhibition factor (MIF) in endothelium. <i>Journal of Cellular Biochemistry</i> , 2005, 95, 849-858.	2.6	35
121	Novel Mechanism for Nicotinamide Phosphoribosyltransferase Inhibition of TNF-Î±â€œmediated Apoptosis in Human Lung Endothelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 36-44.	2.9	34
122	Highâ€œefficiency transient transfection of endothelial cells for functional analysis. <i>FASEB Journal</i> , 2000, 14, 2486-2494.	0.5	33
123	Genomic and Genetic Approaches to Deciphering Acute Respiratory Distress Syndrome Risk and Mortality. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 1027-1052.	5.4	33
124	Role of p38 MAP kinase in diperoxovanadate-induced phospholipase D activation in endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 281, L435-L449.	2.9	32
125	Interaction of cortactin and Arp2/3 complex is required for sphingosine-1-phosphate-induced endothelial cell remodeling. <i>Experimental Cell Research</i> , 2004, 298, 107-121.	2.6	32
126	Particulate matter disrupts human lung endothelial cell barrier integrity via Rhoâ€œdependent pathways. <i>Pulmonary Circulation</i> , 2017, 7, 617-623.	1.7	32

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127	A transgenic mouse with vascular endothelial over-expression of the non-muscle myosin light chain kinase-2 isoform is susceptible to inflammatory lung injury: role of sexual dimorphism and age. <i>Translational Research</i> , 2008, 151, 141-153.	5.0	31
128	Integrin α 24 attenuates SHP2 and MAPK signaling and reduces human lung endothelial inflammatory responses. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 718-724.	2.6	31
129	Excessive mechanical stress increases HMGB1 expression in human lung microvascular endothelial cells via STAT3. <i>Microvascular Research</i> , 2014, 92, 50-55.	2.5	31
130	Nano-Biomechanical Study of Spatio-Temporal Cytoskeleton Rearrangements that Determine Subcellular Mechanical Properties and Endothelial Permeability. <i>Scientific Reports</i> , 2015, 5, 11097.	3.3	31
131	Capsaicin-induced Ca^{2+} signaling is enhanced via upregulated TRPV1 channels in pulmonary artery smooth muscle cells from patients with idiopathic PAH. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L309-L325.	2.9	30
132	Strategies to Dampen COVID-19-mediated lung and systemic inflammation and vascular injury. <i>Translational Research</i> , 2021, 232, 37-48.	5.0	30
133	Regulation of endothelial cell myosin light chain phosphorylation and permeability by vanadate. , 1998, 70, 141-155.		29
134	Pertussis toxin directly activates endothelial cell p42/p44 MAP kinases via a novel signaling pathway. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C1233-C1241.	4.6	29
135	Transcriptomics of bronchoalveolar lavage cells identifies new molecular endotypes of sarcoidosis. <i>European Respiratory Journal</i> , 2021, 58, 2002950.	6.7	29
136	Endothelial upregulation of mechanosensitive channel Piezo1 in pulmonary hypertension. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C1010-C1027.	4.6	29
137	Junctional complex and focal adhesion rearrangement mediates pulmonary endothelial barrier enhancement by FTY720 S-phosphonate. <i>Microvascular Research</i> , 2015, 99, 102-109.	2.5	28
138	An update on sphingosine-1-phosphate receptor 1 modulators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3585-3591.	2.2	28
139	Role of secreted extracellular nicotinamide phosphoribosyltransferase (eNAMPT) in prostate cancer progression: Novel biomarker and therapeutic target. <i>EBioMedicine</i> , 2020, 61, 103059.	6.1	28
140	Respiratory health of Hispanic migrant farm workers in Indiana. , 1996, 29, 23-32.		27
141	Role of Integrin α 24 in Lung Endothelial Cell Inflammatory Responses to Mechanical Stress. <i>Scientific Reports</i> , 2015, 5, 16529.	3.3	27
142	Lysozyme and bilirubin bind to ACE and regulate its conformation and shedding. <i>Scientific Reports</i> , 2016, 6, 34913.	3.3	27
143	Induction of endothelial monolayer permeability by phosphatidate. <i>Journal of Cellular Biochemistry</i> , 1999, 75, 105-117.	2.6	26
144	Epigenetic contribution of the myosin light chain kinase gene to the risk for acute respiratory distress syndrome. <i>Translational Research</i> , 2017, 180, 12-21.	5.0	26

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