

Mingyao Liu

List of Publications by Year in descending order

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326
papers

17,016
citations

14655

66
h-index

22166

113
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330
all docs

330
docs citations

330
times ranked

15299
citing authors

#	ARTICLE	IF	CITATIONS
1	Normothermic Ex Vivo Lung Perfusion in Clinical Lung Transplantation. <i>New England Journal of Medicine</i> , 2011, 364, 1431-1440.	27.0	898
2	Ischemiaâ€“Reperfusionâ€“induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 490-511.	5.6	845
3	Injurious Mechanical Ventilation and End-Organ Epithelial Cell Apoptosis and Organ Dysfunction in an Experimental Model of Acute Respiratory Distress Syndrome. <i>JAMA - Journal of the American Medical Association</i> , 2003, 289, 2104.	7.4	604
4	Technique for Prolonged Normothermic Ex Vivo Lung Perfusion. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 1319-1325.	0.6	441
5	Curcumin-induced suppression of cell proliferation correlates with down-regulation of cyclin D1 expression and CDK4-mediated retinoblastoma protein phosphorylation. <i>Oncogene</i> , 2002, 21, 8852-8861.	5.9	316
6	A Model-Driven Scheme to Compensate the Strain-Based Non-Intrusive Dynamic Pressure Measurement for Hydraulic Pipe. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-12.	4.7	314
7	Bile acid aspiration and the development of bronchiolitis obliterans after lung transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 129, 1144-1152.	0.8	290
8	Inhibition of pulmonary surfactant function by meconium. <i>American Journal of Obstetrics and Gynecology</i> , 1991, 164, 477-481.	1.3	259
9	Functional Repair of Human Donor Lungs by IL-10 Gene Therapy. <i>Science Translational Medicine</i> , 2009, 1, 4ra9.	12.4	258
10	Interleukin-8 Release during Early Reperfusion Predicts Graft Function in Human Lung Transplantation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 165, 211-215.	5.6	243
11	Acute lung injury and cell death: how many ways can cells die?. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L632-L641.	2.9	197
12	Regulation by cAMP-dependent protein kinase of a G-protein-mediated phospholipase C. <i>Nature</i> , 1996, 382, 83-87.	27.8	194
13	Mechanical force-induced signal transduction in lung cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 277, L667-L683.	2.9	183
14	Inhaled Carbon Monoxide Confers Antiinflammatory Effects against Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 613-620.	5.6	175
15	A GABAergic system in airway epithelium is essential for mucus overproduction in asthma. <i>Nature Medicine</i> , 2007, 13, 862-867.	30.7	174
16	MiR-93 enhances angiogenesis and metastasis by targeting LATS2. <i>Cell Cycle</i> , 2012, 11, 4352-4365.	2.6	174
17	Dynamic Changes in Apoptotic and Necrotic Cell Death Correlate with Severity of Ischemiaâ€“Reperfusion Injury in Lung Transplantation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000, 162, 1932-1939.	5.6	168
18	TNFÎ±-Induced Long Pentraxin PTX3 Expression in Human Lung Epithelial Cells via JNK. <i>Journal of Immunology</i> , 2005, 175, 8303-8311.	0.8	166

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19	Vascular endothelial growth factor and related molecules in acute lung injury. <i>Journal of Applied Physiology</i> , 2004, 97, 1605-1617.	2.5	165
20	Cell Death in Human Lung Transplantation: Apoptosis Induction in Human Lungs During Ischemia and After Transplantation. <i>Annals of Surgery</i> , 2000, 231, 424-431.	4.2	164
21	Src protein tyrosine kinase family and acute inflammatory responses. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L129-L141.	2.9	148
22	Conversion of Mechanical Force into Biochemical Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 54793-54801.	3.4	132
23	Identification and characterization of mouse metastasis-suppressor KiSS1 and its G-protein-coupled receptor. <i>Cancer Research</i> , 2002, 62, 5399-404.	0.9	129
24	Maslinic acid suppresses osteoclastogenesis and prevents ovariectomy-induced bone loss by regulating RANKL-mediated NF- κ B and MAPK signaling pathways. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 644-656.	2.8	127
25	Invited Review: Mechanochemical signal transduction in the fetal lung. <i>Journal of Applied Physiology</i> , 2000, 89, 2078-2084.	2.5	126
26	Mitogen-activated protein kinases mediate stretch-induced c-fos mRNA expression in myometrial smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 283, C1530-C1539.	4.6	120
27	Mechanical Strain Induces pp60 Activation and Translocation to Cytoskeleton in Fetal Rat Lung Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 7066-7071.	3.4	117
28	Maslinic acid potentiates the anti-tumor activity of tumor necrosis factor α by inhibiting NF- κ B signaling pathway. <i>Molecular Cancer</i> , 2010, 9, 73.	19.2	112
29	Metabolomic Heterogeneity of Pulmonary Arterial Hypertension. <i>PLoS ONE</i> , 2014, 9, e88727.	2.5	111
30	Innate Immunity and Organ Transplantation: The Potential Role of Toll-like Receptors. <i>American Journal of Transplantation</i> , 2005, 5, 969-975.	4.7	109
31	Long pentraxin 3 in pulmonary infection and acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L1039-L1049.	2.9	109
32	Cell-based tissue engineering for lung regeneration. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L510-L518.	2.9	108
33	Physiologic assessment of the ex vivo donor lung for transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2012, 31, 1120-1126.	0.6	107
34	LYMPHOCYTIC AIRWAY INFILTRATION AS A PRECURSOR TO FIBROUS OBLITERATION IN A RAT MODEL OF BRONCHIOLITIS OBLITERANS ^{1,2} . <i>Transplantation</i> , 1997, 64, 311-317.	1.0	107
35	Ex Vivo Adenoviral Vector Gene Delivery Results in Decreased Vector-associated Inflammation Pre- and Post-lung Transplantation in the Pig. <i>Molecular Therapy</i> , 2012, 20, 1204-1211.	8.2	101
36	Organ preservation: from the past to the future. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 845-857.	6.1	97

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37	Kisspeptin-10, a KISS1-Derived Decapeptide, Inhibits Tumor Angiogenesis by Suppressing Sp1-Mediated VEGF Expression and FAK/Rho GTPase Activation. <i>Cancer Research</i> , 2009, 69, 7062-7070.	0.9	94
38	Safety and Efficacy of <i>Ex Vivo</i> Donor Lung Adenoviral IL-10 Gene Therapy in a Large Animal Lung Transplant Survival Model. <i>Human Gene Therapy</i> , 2017, 28, 757-765.	2.7	94
39	Mechanical Stress and the Induction of Lung Fibrosis via the Midkine Signaling Pathway. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 315-323.	5.6	93
40	Targeted cell replacement with bone marrow cells for airway epithelial regeneration. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L740-L752.	2.9	92
41	Identification and Modulation of Microenvironment Is Crucial for Effective Mesenchymal Stromal Cell Therapy in Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1214-1224.	5.6	92
42	Î±1-Antitrypsin inhibits ischemia reperfusion-induced lung injury by reducing inflammatory response and cell death. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 309-315.	0.6	91
43	Neutrophil defensins mediate acute inflammatory response and lung dysfunction in dose-related fashion. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 280, L947-L954.	2.9	88
44	Phosphorylation and Regulation of G-protein-activated Phospholipase C-Î²3 by cGMP-dependent Protein Kinases. <i>Journal of Biological Chemistry</i> , 2001, 276, 19770-19777.	3.4	88
45	Recipient T Cells Mediate Reperfusion Injury after Lung Transplantation in the Rat. <i>Journal of Immunology</i> , 2003, 171, 4995-5002.	0.8	88
46	Phenotypic diversity within a <i>Pseudomonas aeruginosa</i> population infecting an adult with cystic fibrosis. <i>Scientific Reports</i> , 2015, 5, 10932.	3.3	88
47	Mechanical stretch stimulates macrophage inflammatory protein-2 secretion from fetal rat lung cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 279, L699-L706.	2.9	86
48	Inactivating hepatitis C virus in donor lungs using light therapies during normothermic ex vivo lung perfusion. <i>Nature Communications</i> , 2019, 10, 481.	12.8	86
49	Self-Assembling Peptide as a Potential Carrier for Hydrophobic Anticancer Drug Ellipticine: Complexation, Release and In Vitro Delivery. <i>Advanced Functional Materials</i> , 2009, 19, 74-83.	14.9	85
50	Mesenchymal stem cell treatment is associated with decreased perfusate concentration of interleukin-8 during ex vivo perfusion of donor lungs after 18-hour preservation. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 1245-1254.	0.6	85
51	INTESTINAL ISCHEMIA-REPERFUSION-INDUCED ACUTE LUNG INJURY AND ONCOTIC CELL DEATH IN MULTIPLE ORGANS. <i>Shock</i> , 2007, 28, 227-238.	2.1	83
52	Protein Expression Profiling Predicts Graft Performance in Clinical Ex Vivo Lung Perfusion. <i>Annals of Surgery</i> , 2015, 261, 591-597.	4.2	83
53	Molecular Mechanism of the Inhibition of Phospholipase C Î²3 by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2000, 275, 30220-30225.	3.4	82
54	Upregulation of T-Helper 1 Cytokines and Chemokine Expression in Post-transplant Airway Obliteration. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 159, 1910-1917.	5.6	81

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55	Caspase Inhibition Improves Ischemia-Reperfusion Injury After Lung Transplantation. <i>American Journal of Transplantation</i> , 2005, 5, 292-299.	4.7	80
56	Rapid reperfusion causes stress failure in ischemic rat lungs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998, 116, 932-942.	0.8	78
57	Estrogen Regulates KiSS1 Gene Expression through Estrogen Receptor $\hat{\pm}$ and SP Protein Complexes. <i>Endocrinology</i> , 2007, 148, 4821-4828.	2.8	76
58	PROSTAGLANDIN E1 PROTECTS LUNG TRANSPLANTS FROM ISCHEMIA-REPERFUSION INJURY: A SHIFT FROM PRO- TO ANTI-INFLAMMATORY CYTOKINES1. <i>Transplantation</i> , 2001, 72, 1505-1512.	1.0	76
59	PRODUCTION OF TUMOUR NECROSIS FACTOR $\hat{\pm}$ BY PRIMARY CULTURED RAT ALVEOLAR EPITHELIAL CELLS. <i>Cytokine</i> , 2000, 12, 644-654.	3.2	73
60	A Rac/Cdc42-specific Exchange Factor, GEFT, Induces Cell Proliferation, Transformation, and Migration. <i>Journal of Biological Chemistry</i> , 2003, 278, 13207-13215.	3.4	72
61	GEFT, A Rho Family Guanine Nucleotide Exchange Factor, Regulates Neurite Outgrowth and Dendritic Spine Formation. <i>Journal of Biological Chemistry</i> , 2004, 279, 45824-45832.	3.4	72
62	XB130, a Novel Adaptor Protein for Signal Transduction. <i>Journal of Biological Chemistry</i> , 2007, 282, 16401-16412.	3.4	71
63	Effect of ventilator-induced lung injury on the development of reperfusion injury in a rat lung transplant model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2002, 124, 1137-1144.	0.8	70
64	The Role of Intrapulmonary De Novo Lymphoid Tissue in Obliterative Bronchiolitis after Lung Transplantation. <i>Journal of Immunology</i> , 2009, 182, 7307-7316.	0.8	69
65	Amino Acid-Dependent Attenuation of Toll-like Receptor Signaling by Peptide-Gold Nanoparticle Hybrids. <i>ACS Nano</i> , 2015, 9, 6774-6784.	14.6	69
66	Gain control of N-methyl-D-aspartate receptor activity by receptor-like protein tyrosine phosphatase alpha. <i>EMBO Journal</i> , 2002, 21, 2977-2989.	7.8	68
67	Translational Research: Animal Models of Obliterative Bronchiolitis after Lung Transplantation. <i>American Journal of Transplantation</i> , 2009, 9, 1981-1987.	4.7	68
68	Inhibition of mechanical strain-induced fetal rat lung cell proliferation by gadolinium, a stretch-activated channel blocker. <i>Journal of Cellular Physiology</i> , 1994, 161, 501-507.	4.1	66
69	Regulation of KiSS-1 Metastasis Suppressor Gene Expression in Breast Cancer Cells by Direct Interaction of Transcription Factors Activator Protein-2 $\hat{\pm}$ and Specificity Protein-1. <i>Journal of Biological Chemistry</i> , 2006, 281, 51-58.	3.4	66
70	ANGIOTENSIN-CONVERTING ENZYME INHIBITOR CAPTOPRIL PREVENTS OLEIC ACID-INDUCED SEVERE ACUTE LUNG INJURY IN RATS. <i>Shock</i> , 2007, 28, 106-111.	2.1	66
71	Lung Lavage and Surfactant Replacement During Ex Vivo Lung Perfusion for Treatment of Gastric Acid Aspiration-Induced Donor Lung Injury. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 577-585.	0.6	66
72	The Circular RNA circSKA3 Binds Integrin $\hat{\pm}$ 1 to Induce Invadopodium Formation Enhancing Breast Cancer Invasion. <i>Molecular Therapy</i> , 2020, 28, 1287-1298.	8.2	66

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73	The effect of mechanical strain on fetal rat lung cell proliferation: Comparison of two-and three-dimensional culture systems. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1995, 31, 858-866.	1.5	65
74	The early responses of VEGF and its receptors during acute lung injury: implication of VEGF in alveolar epithelial cell survival. <i>Critical Care</i> , 2006, 10, R130.	5.8	65
75	± 1 -Anti-trypsin improves function of porcine donor lungs during ex-vivo lung perfusion. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 656-666.	0.6	63
76	Regulation of c-fos expression by static stretch in rat myometrial smooth muscle cells. <i>American Journal of Obstetrics and Gynecology</i> , 2002, 186, 1358-1365.	1.3	61
77	Impact of Human Interleukin-10 on Vector-Induced Inflammation and Early Graft Function in Rat Lung Transplantation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 28, 616-625.	2.9	60
78	Claudin 1 Mediates TNF±-Induced Gene Expression and Cell Migration in Human Lung Carcinoma Cells. <i>PLoS ONE</i> , 2012, 7, e38049.	2.5	60
79	Stretch-Induced Growth-Promoting Activities Stimulate Fetal Rat Lung Epithelial Cell Proliferation. <i>Experimental Lung Research</i> , 1993, 19, 505-517.	1.2	59
80	In VivoTranstracheal Adenovirus-Mediated Transfer of Human Interleukin-10 Gene to Donor Lungs Ameliorates Ischemia-Reperfusion Injury and Improves Early Posttransplant Graft Function in the Rat. <i>Human Gene Therapy</i> , 2001, 12, 1513-1526.	2.7	59
81	Cellular biomechanics in the lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002, 283, L503-L509.	2.9	59
82	Transcriptional signatures in donor lungs from donation after cardiac death vs after brain death: A functional pathway analysis. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 289-298.	0.6	59
83	Effect of Adrenoreceptors on Endotoxin-induced Cytokines and Lipid Peroxidation in Lung Explants. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 160, 1703-1710.	5.6	58
84	Mechanical strain and dexamethasone selectively increase surfactant protein C and tropoelastin gene expression. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 278, L974-L980.	2.9	58
85	GGAPs, a New Family of Bifunctional GTP-Binding and GTPase-Activating Proteins. <i>Molecular and Cellular Biology</i> , 2003, 23, 2476-2488.	2.3	58
86	Long pentraxin PTX3 deficiency worsens LPS-induced acute lung injury. <i>Intensive Care Medicine</i> , 2011, 37, 334-342.	8.2	58
87	The Effect of Gender Combinations on Outcome in Human Lung Transplantation: The International Society of Heart and Lung Transplantation Registry Experience. <i>Journal of Heart and Lung Transplantation</i> , 2006, 25, 634-637.	0.6	57
88	Kinetics of lactate metabolism during acellular normothermic ex vivo lung perfusion. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 1312-1319.	0.6	57
89	Ventilator-induced Lung Injury: Role of Protein-Protein Interaction in Mechanosensation. <i>Proceedings of the American Thoracic Society</i> , 2005, 2, 181-187.	3.5	56
90	Differential gene profiling in acute lung injury identifies injury-specific gene expression*. <i>Critical Care Medicine</i> , 2008, 36, 855-865.	0.9	56

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91	Endosomal pH modulation by peptide-gold nanoparticle hybrids enables potent anti-inflammatory activity in phagocytic immune cells. <i>Biomaterials</i> , 2016, 111, 90-102.	11.4	56
92	Mesenchymal stromal cell therapy during ex vivo lung perfusion ameliorates ischemia-reperfusion injury in lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 1214-1223.	0.6	56
93	Toll-like Receptor and Cytokine Gene Expression in the Early Phase of Human Lung Transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2006, 25, 1317-1323.	0.6	55
94	Human Neutrophil Peptides and Phagocytic Deficiency in Bronchiectatic Lungs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 159-166.	5.6	53
95	Human α 1-antitrypsin improves early post-transplant lung function: Pre-clinical studies in a pig lung transplant model. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 913-921.	0.6	52
96	Tumor Necrosis Factor- α Mediates Lipopolysaccharide-Induced Macrophage Inflammatory Protein-2 Release from Alveolar Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1999, 21, 510-520.	2.9	51
97	Soluble Transforming Growth Factor- β Type III Receptor Gene Transfection Inhibits Fibrous Airway Obliteration in a Rat Model of Bronchiolitis Obliterans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 165, 419-423.	5.6	50
98	Programming the Cellular Uptake of Physiologically Stable Peptide-Gold Nanoparticle Hybrids with Single Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9643-9646.	13.8	50
99	Protective effects of long pentraxin PTX3 on lung injury in a severe acute respiratory syndrome model in mice. <i>Laboratory Investigation</i> , 2012, 92, 1285-1296.	3.7	50
100	Self-assembling peptide-based nanoparticles enhance cellular delivery of the hydrophobic anticancer drug ellipticine through caveolae-dependent endocytosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 647-654.	3.3	50
101	Activating Transcription Factor 3 Confers Protection against Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 489-500.	5.6	49
102	Gene Expression Profiling in the Lungs of Patients With Pulmonary Hypertension Associated With Pulmonary Fibrosis. <i>Chest</i> , 2012, 141, 661-673.	0.8	49
103	Src tyrosine kinase inhibition prevents pulmonary ischemia-reperfusion-induced acute lung injury. <i>Intensive Care Medicine</i> , 2012, 38, 894-905.	8.2	49
104	Sevoflurane Attenuates Ischemia-Reperfusion Injury in a Rat Lung Transplantation Model. <i>Annals of Thoracic Surgery</i> , 2017, 103, 1578-1586.	1.3	48
105	Alveolar recruitment prevents rapid-reperfusion-induced injury of lung transplants. <i>Journal of Heart and Lung Transplantation</i> , 1999, 18, 1096-1102.	0.6	47
106	Low invasive in vivo tissue sampling for monitoring biomarkers and drugs during surgery. <i>Laboratory Investigation</i> , 2014, 94, 586-594.	3.7	47
107	Solid phase microextraction fills the gap in tissue sampling protocols. <i>Analytica Chimica Acta</i> , 2013, 803, 75-81.	5.4	46
108	α 1-Antitrypsin deficiency and the risk of COVID-19: an urgent call to action. <i>Lancet Respiratory Medicine</i> , 2021, 9, 337-339.	10.7	46

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109	PKC Activation Induces Inflammatory Response and Cell Death in Human Bronchial Epithelial Cells. PLoS ONE, 2013, 8, e64182.	2.5	45
110	Extension of donor lung preservation with hypothermic storage after normothermic ex vivo lung perfusion. Journal of Heart and Lung Transplantation, 2016, 35, 130-136.	0.6	45
111	Inhibition of regulated necrosis attenuates receptor-interacting protein kinase 1-mediated ischemia-reperfusion injury after lung transplantation. Journal of Heart and Lung Transplantation, 2018, 37, 1261-1270.	0.6	45
112	Ischemia-reperfusion induces death receptor-independent necroptosis via calpain-STAT3 activation in a lung transplant setting. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L595-L608.	2.9	45
113	The Ca ²⁺ -dependent Binding of Calmodulin to an N-terminal Motif of the Heterotrimeric G Protein β^2 Subunit. Journal of Biological Chemistry, 1997, 272, 18801-18807.	3.4	44
114	The Protein Kinase C Cascade Regulates Recruitment of Matrix Metalloprotease 9 to Podosomes and Its Release and Activation. Molecular and Cellular Biology, 2010, 30, 5545-5561.	2.3	44
115	EFFECT OF COMPLEMENT INHIBITION WITH SOLUBLE COMPLEMENT RECEPTOR 1 ON PIG ALLOTRANSPLANT LUNG FUNCTION1. Transplantation, 1998, 66, 723-732.	1.0	44
116	High-volume ventilation induces pentraxin 3 expression in multiple acute lung injury models in rats. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L144-L153.	2.9	42
117	Functions of Type II Pneumocyte-Derived Vascular Endothelial Growth Factor in Alveolar Structure, Acute Inflammation, and Vascular Permeability. American Journal of Pathology, 2010, 176, 1725-1734.	3.8	42
118	XB130, a Novel Adaptor Protein, Promotes Thyroid Tumor Growth. American Journal of Pathology, 2011, 178, 391-401.	3.8	42
119	RANTES Plays an Important Role in the Evolution of Allograft Transplant-induced Fibrous Airway Obliteration. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 1940-1948.	5.6	41
120	Adaptor protein XB130 is a Rac-controlled component of lamellipodia that regulates cell motility and invasion. Journal of Cell Science, 2010, 123, 4156-4169.	2.0	41
121	The role of the endothelin-1 pathway as a biomarker for donor lung assessment in clinical ex vivo lung perfusion. Journal of Heart and Lung Transplantation, 2015, 34, 849-857.	0.6	41
122	Cytoprotective Effects of Nitroglycerin in Ischemia-Reperfusion-Induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 935-943.	5.6	40
123	PTX3 as a potential biomarker of acute lung injury: supporting evidence from animal experimentation. Intensive Care Medicine, 2010, 36, 356-364.	8.2	40
124	Alterations of nitric oxide synthase expression and activity during rat lung transplantation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L1071-L1081.	2.9	39
125	Stromal Activation and Formation of Lymphoid-Like Stroma in Chronic Lung Allograft Dysfunction. Transplantation, 2011, 91, 1398-1405.	1.0	39
126	Molecular binding of self-assembling peptide EAK16-II with anticancer agent EPT and its implication in cancer cell inhibition. Journal of Controlled Release, 2012, 160, 33-40.	9.9	39

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127	Static lung storage at 10°C maintains mitochondrial health and preserves donor organ function. <i>Science Translational Medicine</i> , 2021, 13, eabf7601.	12.4	39
128	Atypical protein kinase C in cell motility. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3057-3066.	5.4	38
129	Chemokine receptors and their therapeutic opportunities in diseased lung: Far beyond leukocyte trafficking. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L603-L618.	2.9	38
130	Heparin interference with reverse transcriptase polymerase chain reaction of RNA extracted from lungs after ischemia-reperfusion. <i>Transplant International</i> , 2000, 13, 146-150.	1.6	37
131	Efficient Gene Delivery to Pig Airway Epithelia and Submucosal Glands Using Helper-Dependent Adenoviral Vectors. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e127.	5.1	37
132	Low-dose computed tomography volumetry for subtyping chronic lung allograft dysfunction. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 59-66.	0.6	37
133	A Novel Model for Post-Transplant Obliterative Airway Disease Reveals Angiogenesis from the Pulmonary Circulation. <i>American Journal of Transplantation</i> , 2005, 5, 248-254.	4.7	36
134	XB130 Mediates Cancer Cell Proliferation and Survival through Multiple Signaling Events Downstream of Akt. <i>PLoS ONE</i> , 2012, 7, e43646.	2.5	36
135	De novo synthesis of bile acids in pulmonary arterial hypertension lung. <i>Metabolomics</i> , 2014, 10, 1169-1175.	3.0	35
136	Towards donor lung recovery—gene expression changes during ex vivo lung perfusion of human lungs. <i>American Journal of Transplantation</i> , 2018, 18, 1518-1526.	4.7	35
137	XB130, a New Adaptor Protein, Regulates Expression of Tumor Suppressive MicroRNAs in Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e59057.	2.5	35
138	Lipopolysaccharide accelerates caspase-independent but cathepsin B-dependent death of human lung epithelial cells. <i>Journal of Cellular Physiology</i> , 2006, 209, 457-467.	4.1	34
139	Zebrafish cancer and metastasis models for in vivo drug discovery. <i>Drug Discovery Today: Technologies</i> , 2013, 10, e83-e89.	4.0	34
140	ÎV1-1 Reduces Pulmonary Ischemia Reperfusion-Induced Lung Injury by Inhibiting Necrosis and Mitochondrial Localization of PKCÎ² and p53. <i>American Journal of Transplantation</i> , 2016, 16, 83-98.	4.7	34
141	Alpha-1 Antitrypsin for COVID-19 Treatment: Dual Role in Antiviral Infection and Anti-Inflammation. <i>Frontiers in Pharmacology</i> , 2020, 11, 615398.	3.5	34
142	Transgene expression after adenovirus-mediated retransfection of rat lungs is increased and prolonged by transplant immunosuppression. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1999, 117, 1-7.	0.8	33
143	PKA independent and cell type specific activation of the expression of caudal homeobox gene Cdx-2 by cyclic AMP. <i>FEBS Journal</i> , 2005, 272, 2746-2759.	4.7	33
144	Bench-to-bedside review: Biotrauma and modulation of the innate immune response. <i>Critical Care</i> , 2005, 9, 280.	5.8	33

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145	Metabolic Profile of Ex Vivo Lung Perfusate Yields Biomarkers for Lung Transplant Outcomes. <i>Annals of Surgery</i> , 2018, 267, 196-197.	4.2	33
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