Ling Liu

List of Publications by Citations

66 papers	1,101 citations	20 h-index	31 g-index
81 ext. papers	1,461 ext. citations	5.8 avg, IF	4.14 L-index

#	Paper	IF	Citations
66	TRPM7 inhibitor carvacrol protects brain from neonatal hypoxic-ischemic injury. *Molecular Brain*, **2015**, 8, 11	4.5	73
65	Mesenchymal Stem Cells Overexpressing Angiotensin-Converting Enzyme 2 Rescue Lipopolysaccharide-Induced Lung Injury. *Cell Transplantation*, **2015**, 24, 1699-715	4	71
64	Neuroventilatory efficiency and extubation readiness in critically ill patients. *Critical Care*, **2012**, 16, R143	10.8	64
63	Activation of Wnt/β-catenin signalling promotes mesenchymal stem cells to repair injured alveolar epithelium induced by lipopolysaccharide in mice. *Stem Cell Research and Therapy*, **2015**, 6, 65	8.3	56
62	Mesenchymal stem cells induce dendritic cell immune tolerance via paracrine hepatocyte growth factor to alleviate acute lung injury. *Stem Cell Research and Therapy*, **2019**, 10, 372	8.3	56
61	The hepatocyte growth factor-expressing character is required for mesenchymal stem cells to protect the lung injured by lipopolysaccharide in vivo. *Stem Cell Research and Therapy*, **2016**, 7, 66	8.3	52
60	A novel non-invasive method to detect excessively high respiratory effort and dynamic transpulmonary driving pressure during mechanical ventilation. *Critical Care*, **2019**, 23, 346	10.8	48
59	Comparison of the effects of albumin and crystalloid on mortality in adult patients with severe sepsis and septic shock: a meta-analysis of randomized clinical trials. *Critical Care*, **2014**, 18, 702	10.8	48
58	LincRNA-p21 promotes mesenchymal stem cell migration capacity and survival through hypoxic preconditioning. *Stem Cell Research and Therapy*, **2018**, 9, 280	8.3	45
57	The Vascular Endothelial Growth Factors-Expressing Character of Mesenchymal Stem Cells Plays a Positive Role in Treatment of Acute Lung Injury In Vivo. *Mediators of Inflammation*, **2016**, 2016, 2347938	4.3	42
56	Marine compound xyloketal B reduces neonatal hypoxic-ischemic brain injury. *Marine Drugs*, **2014**, 13, 29-47	6	39
55	A high mean arterial pressure target is associated with improved microcirculation in septic shock patients with previous hypertension: a prospective open label study. *Critical Care*, **2015**, 19, 130	10.8	35
54	Neuroprotective Effects of a PSD-95 Inhibitor in Neonatal Hypoxic-Ischemic Brain Injury. *Molecular Neurobiology*, **2016**, 53, 5962-5970	6.2	27
53	Therapeutic Effects of Bone Marrow-Derived Mesenchymal Stem Cells in Models of Pulmonary and Extrapulmonary Acute Lung Injury. *Cell Transplantation*, **2015**, 24, 2629-42	4	27
52	Identification of regional overdistension, recruitment and cyclic alveolar collapse with electrical impedance tomography in an experimental ARDS model. *Critical Care*, **2016**, 20, 119	10.8	27
51	Overexpressing p130/E2F4 in mesenchymal stem cells facilitates the repair of injured alveolar epithelial cells in LPS-induced ARDS mice. *Stem Cell Research and Therapy*, **2019**, 10, 74	8.3	26
50	Losartan inhibits conventional dendritic cell maturation and Th1 and Th17 polarization responses: novel mechanisms of preventive effects on lipopolysaccharide-induced acute lung injury. *International Journal of Molecular Medicine*, **2012**, 29, 269-76	4.4	25

49	Chemokine receptor 7 overexpression promotes mesenchymal stem cell migration and proliferation via secreting Chemokine ligand 12. *Scientific Reports*, **2018**, 8, 204	4.9	24
48	Higher PEEP improves outcomes in ARDS patients with clinically objective positive oxygenation response to PEEP: a systematic review and meta-analysis. *BMC Anesthesiology*, **2018**, 18, 172	2.4	24
47	Neurally-Adjusted Ventilatory Assist for Noninvasive Ventilation via a Helmet in Subjects With COPD Exacerbation: A Physiologic Study. *Respiratory Care*, **2019**, 64, 582-589	2.1	20
46	Acute Respiratory Distress Syndrome: Challenge for Diagnosis and Therapy. *Chinese Medical Journal* , **2018**, 131, 1220-1224	2.9	20
45	Genetic Modification of Mesenchymal Stem Cells Overexpressing Angiotensin II Type 2 Receptor Increases Cell Migration to Injured Lung in LPS-Induced Acute Lung Injury Mice. *Stem Cells Translational Medicine*, **2018**, 7, 721-730	6.9	19
44	Neural versus pneumatic control of pressure support in patients with chronic obstructive pulmonary diseases at different levels of positive end expiratory pressure: a physiological study. *Critical Care*, **2015**, 19, 244	10.8	18
43	Early and dynamic alterations of Th2/Th1 in previously immunocompetent patients with community-acquired severe sepsis: a prospective observational study. *Journal of Translational Medicine*, **2019**, 17, 57	8.5	15
42	The effects of low tidal ventilation on lung strain correlate with respiratory system compliance. *Critical Care*, **2017**, 21, 23	10.8	13
41	Effects of neurally adjusted ventilatory assist on air distribution and dead space in patients with acute exacerbation of chronic obstructive pulmonary disease. *Critical Care*, **2017**, 21, 126	10.8	13
40	Overexpression of TGF in murine mesenchymal stem cells improves lung inflammation by impacting the Th17/Treg balance in LPS-induced ARDS mice. *Stem Cell Research and Therapy*, **2020**, 11, 311	8.3	13
39	A simple nomogram for predicting failure of non-invasive respiratory strategies in adults with COVID-19: a retrospective multicentre study. *The Lancet Digital Health*, **2021**, 3, e166-e174	14.4	13
38	Assessment of patient-ventilator breath contribution during neurally adjusted ventilatory assist in patients with acute respiratory failure. *Critical Care*, **2015**, 19, 43	10.8	11
37	Plasma microRNAs levels are different between pulmonary and extrapulmonary ARDS patients: a clinical observational study. *Annals of Intensive Care*, **2018**, 8, 23	8.9	11
36	Practice of diagnosis and management of acute respiratory distress syndrome in mainland China: a cross-sectional study. *Journal of Thoracic Disease*, **2018**, 10, 5394-5404	2.6	11
35	Mesenchymal stem cells activate Notch signaling to induce regulatory dendritic cells in LPS-induced acute lung injury. *Journal of Translational Medicine*, **2020**, 18, 241	8.5	10
34	Neurally Adjusted Ventilatory Assist versus Pressure Support Ventilation in Difficult Weaning: A Randomized Trial. *Anesthesiology*, **2020**, 132, 1482-1493	4.3	10
33	Biomechanical Motion-Activated Endogenous Wound Healing through LBL Self-Powered Nanocomposite Repairer with pH-Responsive Anti-Inflammatory Effect. *Small*, **2021**, e2103997	11	9
32	Computer-driven automated weaning reduces weaning duration in difficult-to-wean patients. *Chinese Medical Journal*, **2013**, 126, 1814-8	2.9	8

31	Effects of Propofol on Respiratory Drive and Patient-ventilator Synchrony during Pressure Support Ventilation in Postoperative Patients: A Prospective Study. *Chinese Medical Journal*, **2017**, 130, 1155-1160	2.9	7
30	Feasibility of neurally adjusted positive end-expiratory pressure in rabbits with early experimental lung injury. *BMC Anesthesiology*, **2015**, 15, 124	2.4	7
29	Endotoxemia accelerates diaphragm dysfunction in ventilated rabbits. *Journal of Surgical Research*, **2016**, 206, 507-516	2.5	6
28	A modified acute respiratory distress syndrome prediction score: a multicenter cohort study in China. *Journal of Thoracic Disease*, **2018**, 10, 5764-5773	2.6	5
27	Mortality and Clinical Interventions in Critically ill Patient With Coronavirus Disease 2019: A Systematic Review and Meta-Analysis. *Frontiers in Medicine*, **2021**, 8, 635560	4.9	3
26	Differential expression of genes associated with T lymphocytes function in septic patients with hypoxemia challenge. *Annals of Translational Medicine*, **2019**, 7, 810	3.2	3
25	Venovenous extra-corporeal membrane oxygenation for severe acute respiratory distress syndrome: a matched cohort study. *Chinese Medical Journal*, **2019**, 132, 2192-2198	2.9	3
24	Synbiotic Therapy Prevents Nosocomial Infection in Critically Ill Adult Patients: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials Based on a Bayesian Framework. *Frontiers in Medicine*, **2021**, 8, 693188	4.9	3
23	Economic variations in patterns of care and outcomes of patients receiving invasive mechanical ventilation in China: a national cross-sectional survey. *Journal of Thoracic Disease*, **2019**, 11, 2878-2889	2.6	2
22	Feasibility of neurally synchronized and proportional negative pressure ventilation in a small animal model. *Physiological Reports*, **2020**, 8, e14499	2.6	2
21	Neural control of pressure support ventilation improved patient-ventilator synchrony in patients with different respiratory system mechanical properties: a prospective, crossover trial. *Chinese Medical Journal*, **2021**, 134, 281-291	2.9	2
20	A nomogram predicting severe COVID-19 based on a large study cohort from China. *American Journal of Emergency Medicine*, **2021**, 50, 218-223	2.9	2
19	Early- and Late-Onset Bloodstream Infections in the Intensive Care Unit: A Retrospective 5-Year Study of Patients at a University Hospital in China. *Journal of Infectious Diseases*, **2020**, 221, S184-S192	7	1
18	Midazolam increases preload dependency during endotoxic shock in rabbits by affecting venous vascular tone. *Annals of Intensive Care*, **2018**, 8, 59	8.9	1
17	Automatic Adjustment of the Inspiratory Trigger and Cycling-Off Criteria Improved Patient-Ventilator Asynchrony During Pressure Support Ventilation. *Frontiers in Medicine*, **2021**, 8, 752508	4.9	1
16	Neurally adjusted ventilatory assist as a weaning mode for adults with invasive mechanical ventilation: a systematic review and meta-analysis. *Critical Care*, **2021**, 25, 222	10.8	1
15	An optimized method for the induction and purification of mouse bone marrow dendritic cells. *Journal of Immunological Methods*, **2021**, 495, 113073	2.5	1
14	Developmental programming and lineage branching of early human telencephalon. *EMBO Journal*, **2021**, 40, e107277	13	1

List of Publications

13	Effects of high-frequency oscillatory ventilation and conventional mechanical ventilation on oxygen metabolism and tissue perfusion in sheep models of acute respiratory distress syndrome. *Chinese Medical Journal*, **2014**, 127, 3243-8	2.9	1
12	Physiological effects of different recruitment maneuvers in a pig model of ARDS. *BMC Anesthesiology*, **2020**, 20, 266	2.4	0
11	Association Between Pathophysiology and Volume of Distribution Among Patients With Sepsis or Septic Shock Treated With Imipenem: A Prospective Cohort Study. *Journal of Infectious Diseases*, **2020**, 221, S272-S278	7	0
10	Mesenchymal stem cell-derived extracellular vesicles prevent glioma by blocking M2 polarization of macrophages through a miR-744-5p/TGFB1-dependent mechanism.. *Cell Biology and Toxicology*, **2022**, 1	7.4	0
9	Secretory Autophagosomes from Alveolar Macrophages Exacerbate Acute Respiratory Distress Syndrome by Releasing IL-1 *Journal of Inflammation Research*, **2022**, 15, 127-140	4.8	0
8	Circulating Th1 and Th2 Subset Accumulation Kinetics in Septic Patients with Distinct Infection Sites: Pulmonary versus Nonpulmonary. *Mediators of Inflammation*, **2020**, 2020, 8032806	4.3	0
7	Catenin Deletion in Regional Neural Progenitors Leads to Congenital Hydrocephalus in Mice. *Neuroscience Bulletin*, **2021**, 1	4.3	0
6	Diagnosis Accuracy of Lung Ultrasound for ARF in Critically Ill Patients: A Systematic Review and Meta-Analysis. *Frontiers in Medicine*, **2021**, 8, 705960	4.9	0
5	The Effect of Loop Diuretics on 28-Day Mortality in Patients With Acute Respiratory Distress Syndrome. *Frontiers in Medicine*, **2021**, 8, 740675	4.9	0
4	Neurally Adjusted Ventilatory Assist vs. Conventional Mechanical Ventilation in Adults and Children With Acute Respiratory Failure: A Systematic Review and Meta-Analysis.. *Frontiers in Medicine*, **2022**, 9, 814245	4.9	0
3	A Retrospective Paired Comparison Between Untargeted Next Generation Sequencing and Conventional Microbiology Tests With Wisely Chosen Metagenomic Sequencing Positive Criteria. *Frontiers in Medicine*, **2021**, 8, 686247	4.9	
2	Nucleotide polymorphism in ARDS outcome: a whole exome sequencing association study. *Annals of Translational Medicine*, **2021**, 9, 780	3.2	
1	Isolation of Primary Mouse Pulmonary Microvascular Endothelial Cells and Generation of an Immortalized Cell Line to Obtain Sufficient Extracellular Vesicles.. *Frontiers in Immunology*, **2021**, 12, 759176	8.4	