Claire H Masterson

List of Publications by Year
in descending order

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41	1,265	393982	377514
papers	citations	19 h-index	34 g-index

41	41	41	1661
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human mesenchymal stromal cells decrease the severity of acute lung injury induced by E. coli in the rat. Thorax, 2015, 70, 625-635.	2.7	163
2	Î²-Glucan extracts from the same edible shiitake mushroom Lentinus edodes produce differential in-vitro immunomodulatory and pulmonary cytoprotective effects â€" Implications for coronavirus disease (COVID-19) immunotherapies. Science of the Total Environment, 2020, 732, 139330.	3.9	105
3	Effects of Intratracheal Mesenchymal Stromal Cell Therapy during Recovery and Resolution after Ventilator-induced Lung Injury. Anesthesiology, 2013, 118, 924-932.	1.3	92
4	Extracellular Vesicles from Interferon-Î³â€"primed Human Umbilical Cord Mesenchymal Stromal Cells Reduce Escherichia coliâ€"induced Acute Lung Injury in Rats. Anesthesiology, 2019, 130, 778-790.	1.3	73
5	Cryopreserved, Xeno-Free Human Umbilical Cord Mesenchymal Stromal Cells Reduce Lung Injury Severity and Bacterial Burden in Rodent Escherichia coliâ€"Induced Acute Respiratory Distress Syndrome. Critical Care Medicine, 2017, 45, e202-e212.	0.4	67
6	Mesenchymal stromal cells are more effective than the MSC secretome in diminishing injury and enhancing recovery following ventilator-induced lung injury. Intensive Care Medicine Experimental, 2015, 3, 29.	0.9	64
7	Therapeutic Efficacy of Human Mesenchymal Stromal Cells in the Repair of Established Ventilator-induced Lung Injury in the Rat. Anesthesiology, 2015, 122, 363-373.	1.3	57
8	Mesenchymal stem cells enhance NOX2-dependent reactive oxygen species production and bacterial killing in macrophages during sepsis. European Respiratory Journal, 2018, 51, 1702021.	3.1	53
9	Demographics, management and outcome of females and males with acute respiratory distress syndrome in the LUNG SAFE prospective cohort study. European Respiratory Journal, 2019, 54, 1900609.	3.1	49
10	Permissive hypercapnia. Current Opinion in Anaesthesiology, 2015, 28, 26-37.	0.9	46
11	Cell therapy in acute respiratory distress syndrome. Journal of Thoracic Disease, 2018, 10, 5607-5620.	0.6	46
12	Syndecan-2â€"positive, Bone Marrowâ€"derived Human Mesenchymal Stromal Cells Attenuate Bacterial-induced Acute Lung Injury and Enhance Resolution of Ventilator-induced Lung Injury in Rats. Anesthesiology, 2018, 129, 502-516.	1.3	45
13	Stem cell therapy for acute respiratory distress syndrome. Current Opinion in Critical Care, 2016, 22, 14-20.	1.6	36
14	Modulating the distribution and fate of exogenously delivered MSCs to enhance therapeutic potential: knowns and unknowns. Intensive Care Medicine Experimental, 2019, 7, 41.	0.9	35
15	Overexpression of IL-10 Enhances the Efficacy of Human Umbilical-Cord-Derived Mesenchymal Stromal Cells in E. coli Pneumosepsis. Journal of Clinical Medicine, 2019, 8, 847.	1.0	33
16	Intra-vital imaging of mesenchymal stromal cell kinetics in the pulmonary vasculature during infection. Scientific Reports, 2021, 11, 5265.	1.6	31
17	Nebulized Mesenchymal Stem Cell Derived Conditioned Medium Retains Antibacterial Properties Against Clinical Pathogen Isolates. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2020, 33, 140-152.	0.7	28
18	Inhibition of pulmonary nuclear factor kappa-B decreases the severity of acute Escherichia coli pneumonia but worsens prolonged pneumonia. Critical Care, 2013, 17, R82.	2.5	24

#	Article	IF	Citations
19	Umbilical cord-derived CD362+ mesenchymal stromal cells for E. coli pneumonia: impact of dose regimen, passage, cryopreservation, and antibiotic therapy. Stem Cell Research and Therapy, 2020, 11, 116.	2.4	24
20	Overexpression of pulmonary extracellular superoxide dismutase attenuates endotoxin-induced acute lung injury. Intensive Care Medicine, 2011, 37, 1680-7.	3.9	20
21	Mesenchymal Stem/Stromal Cells Therapy for Sepsis and Acute Respiratory Distress Syndrome. Seminars in Respiratory and Critical Care Medicine, 2021, 42, 020-039.	0.8	20
22	Purified Î²â€glucans from the Shiitake mushroom ameliorates antibioticâ€resistant Klebsiella pneumoniae â€induced pulmonary sepsis. Letters in Applied Microbiology, 2020, 71, 405-412.	1.0	19
23	Hypercapnic acidosis attenuates pulmonary epithelial stretch-induced injury via inhibition of the canonical NF-ÎºB pathway. Intensive Care Medicine Experimental, 2016, 4, 8.	0.9	18
24	Hypercapnia. Current Opinion in Critical Care, 2015, 21, 7-12.	1.6	17
25	Human Umbilical Cord Mesenchymal Stromal Cells Attenuate Systemic Sepsis in Part by Enhancing Peritoneal Macrophage Bacterial Killing via Heme Oxygenase-1 Induction in Rats. Anesthesiology, 2020, 132, 140-154.	1.3	16
26	Enhancement strategies for mesenchymal stem cells and related therapies. Stem Cell Research and Therapy, 2022, 13, 75.	2.4	16
27	Effects and Mechanisms by Which Hypercapnic Acidosis Inhibits Sepsis-Induced Canonical Nuclear Factor-ÎºB Signaling in the Lung. Critical Care Medicine, 2016, 44, e207-e217.	0.4	12
28	Umbilical Cord-Derived CD362+ Mesenchymal Stromal Cells Attenuate Polymicrobial Sepsis Induced by Caecal Ligation and Puncture. International Journal of Molecular Sciences, 2020, 21, 8270.	1.8	10
29	Pulmonary overexpression of inhibitor ÎºBÎ± decreases the severity of ventilator-induced lung injury in a rat model. British Journal of Anaesthesia, 2014, 113, 1046-1054.	1.5	9
30	Hypercapnia in the critically ill: insights from the bench to the bedside. Interface Focus, 2021, 11, 20200032.	1.5	9
31	Improved diagnosis of SARS-CoV-2 by using nucleoprotein and spike protein fragment 2 in quantitative dual ELISA tests. Epidemiology and Infection, 2021, 149, e140.	1.0	9
32	The role of cells and their products in respiratory drug delivery: the past, present, and future. Expert Opinion on Drug Delivery, 2020, 17, 1689-1702.	2.4	8
33	Mechanical Ventilation Induces Desensitization of Lung Axl Tyrosine Kinase Receptors. Anesthesiology, 2018, 129, 143-153.	1.3	5
34	Sepsis: Therapeutic Potential of Immunosuppression versus Immunostimulation. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 128-130.	1.4	2
35	The mesenchymal stromal cell magic bullet finds yet another target. Stem Cell Research and Therapy, 2014, 5, 82.	2.4	1
36	Hypercapnic Acidosis Regulates Mer Tyrosine Kinase Receptor Shedding and Activity. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 132-134.	1.4	1

#	Article	IF	Citations
37	Inhaled CO2 to Reduce Lung Ischemia and Reperfusion Injuries: Moving Towards Clinical Translation?. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 878-879.	2.5	1
38	Understanding the impact of the lung microenvironment to enhance the therapeutic potential of mesenchymal stromal cells for acute respiratory distress syndrome. European Respiratory Journal, 2021, 58, 2100986.	3.1	1
39	The authors reply. Critical Care Medicine, 2017, 45, e737-e738.	0.4	0
40	Is carbon dioxide harmful or helpful in ARDS?. , 2020, , 121-129.e1.		0
41	Combating Hyperinflammation and Ensuing Damage in Acute Antibiotic Resistant Klebsiella spp. Pneumonia Using Primed Human Bone Marrow Mesenchymal Stromal Cells. , 2022, , .		0