

Claire H Masterson

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,265
citations

393982

19
h-index

377514

34
g-index

41
all docs

41
docs citations

41
times ranked

1661
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement strategies for mesenchymal stem cells and related therapies. <i>Stem Cell Research and Therapy</i> , 2022, 13, 75.	2.4	16
2	Combating Hyperinflammation and Ensuing Damage in Acute Antibiotic Resistant <i>Klebsiella spp</i> Pneumonia Using Primed Human Bone Marrow Mesenchymal Stromal Cells. , 2022, , .		0
3	Mesenchymal Stem/Stromal Cells Therapy for Sepsis and Acute Respiratory Distress Syndrome. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2021, 42, 020-039.	0.8	20
4	Hypercapnia in the critically ill: insights from the bench to the bedside. <i>Interface Focus</i> , 2021, 11, 20200032.	1.5	9
5	Intra-vital imaging of mesenchymal stromal cell kinetics in the pulmonary vasculature during infection. <i>Scientific Reports</i> , 2021, 11, 5265.	1.6	31
6	Inhaled CO ₂ to Reduce Lung Ischemia and Reperfusion Injuries: Moving Towards Clinical Translation?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 878-879.	2.5	1
7	Improved diagnosis of SARS-CoV-2 by using nucleoprotein and spike protein fragment 2 in quantitative dual ELISA tests. <i>Epidemiology and Infection</i> , 2021, 149, e140.	1.0	9
8	Understanding the impact of the lung microenvironment to enhance the therapeutic potential of mesenchymal stromal cells for acute respiratory distress syndrome. <i>European Respiratory Journal</i> , 2021, 58, 2100986.	3.1	1
9	Nebulized Mesenchymal Stem Cell Derived Conditioned Medium Retains Antibacterial Properties Against Clinical Pathogen Isolates. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2020, 33, 140-152.	0.7	28
10	Human Umbilical Cord Mesenchymal Stromal Cells Attenuate Systemic Sepsis in Part by Enhancing Peritoneal Macrophage Bacterial Killing via Heme Oxygenase-1 Induction in Rats. <i>Anesthesiology</i> , 2020, 132, 140-154.	1.3	16
11	Umbilical Cord-Derived CD362+ Mesenchymal Stromal Cells Attenuate Polymicrobial Sepsis Induced by Caecal Ligation and Puncture. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8270.	1.8	10
12	Purified β -Glucans from the Shiitake mushroom ameliorates antibiotic-resistant <i>Klebsiella pneumoniae</i> -induced pulmonary sepsis. <i>Letters in Applied Microbiology</i> , 2020, 71, 405-412.	1.0	19
13	The role of cells and their products in respiratory drug delivery: the past, present, and future. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 1689-1702.	2.4	8
14	β -Glucan extracts from the same edible shiitake mushroom <i>Lentinus edodes</i> produce differential in-vitro immunomodulatory and pulmonary cytoprotective effects – Implications for coronavirus disease (COVID-19) immunotherapies. <i>Science of the Total Environment</i> , 2020, 732, 139330.	3.9	105
15	Umbilical cord-derived CD362+ mesenchymal stromal cells for <i>E. coli</i> pneumonia: impact of dose regimen, passage, cryopreservation, and antibiotic therapy. <i>Stem Cell Research and Therapy</i> , 2020, 11, 116.	2.4	24
16	Is carbon dioxide harmful or helpful in ARDS?. , 2020, , 121-129.e1.		0
17	Demographics, management and outcome of females and males with acute respiratory distress syndrome in the LUNG SAFE prospective cohort study. <i>European Respiratory Journal</i> , 2019, 54, 1900609.	3.1	49
18	Modulating the distribution and fate of exogenously delivered MSCs to enhance therapeutic potential: knowns and unknowns. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 41.	0.9	35

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19	Overexpression of IL-10 Enhances the Efficacy of Human Umbilical-Cord-Derived Mesenchymal Stromal Cells in <i>E. coli</i> Pneumosepsis. <i>Journal of Clinical Medicine</i> , 2019, 8, 847.	1.0	33
20	Extracellular Vesicles from Interferon- γ -primed Human Umbilical Cord Mesenchymal Stromal Cells Reduce <i>Escherichia coli</i> -induced Acute Lung Injury in Rats. <i>Anesthesiology</i> , 2019, 130, 778-790.	1.3	73
21	Sepsis: Therapeutic Potential of Immunosuppression versus Immunostimulation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 128-130.	1.4	2
22	Mechanical Ventilation Induces Desensitization of Lung Axl Tyrosine Kinase Receptors. <i>Anesthesiology</i> , 2018, 129, 143-153.	1.3	5
23	Hypercapnic Acidosis Regulates Mer Tyrosine Kinase Receptor Shedding and Activity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 132-134.	1.4	1
24	Mesenchymal stem cells enhance NOX2-dependent reactive oxygen species production and bacterial killing in macrophages during sepsis. <i>European Respiratory Journal</i> , 2018, 51, 1702021.	3.1	53
25	Cell therapy in acute respiratory distress syndrome. <i>Journal of Thoracic Disease</i> , 2018, 10, 5607-5620.	0.6	46
26	Syndecan-2-positive, Bone Marrow-derived Human Mesenchymal Stromal Cells Attenuate Bacterial-induced Acute Lung Injury and Enhance Resolution of Ventilator-induced Lung Injury in Rats. <i>Anesthesiology</i> , 2018, 129, 502-516.	1.3	45
27	The authors reply. <i>Critical Care Medicine</i> , 2017, 45, e737-e738.	0.4	0
28	Cryopreserved, Xeno-Free Human Umbilical Cord Mesenchymal Stromal Cells Reduce Lung Injury Severity and Bacterial Burden in Rodent <i>Escherichia coli</i> -Induced Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2017, 45, e202-e212.	0.4	67
29	Effects and Mechanisms by Which Hypercapnic Acidosis Inhibits Sepsis-Induced Canonical Nuclear Factor- κ B Signaling in the Lung. <i>Critical Care Medicine</i> , 2016, 44, e207-e217.	0.4	12
30	Hypercapnic acidosis attenuates pulmonary epithelial stretch-induced injury via inhibition of the canonical NF- κ B pathway. <i>Intensive Care Medicine Experimental</i> , 2016, 4, 8.	0.9	18
31	Stem cell therapy for acute respiratory distress syndrome. <i>Current Opinion in Critical Care</i> , 2016, 22, 14-20.	1.6	36
32	Therapeutic Efficacy of Human Mesenchymal Stromal Cells in the Repair of Established Ventilator-induced Lung Injury in the Rat. <i>Anesthesiology</i> , 2015, 122, 363-373.	1.3	57
33	Mesenchymal stromal cells are more effective than the MSC secretome in diminishing injury and enhancing recovery following ventilator-induced lung injury. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 29.	0.9	64
34	Hypercapnia. <i>Current Opinion in Critical Care</i> , 2015, 21, 7-12.	1.6	17
35	Human mesenchymal stromal cells decrease the severity of acute lung injury induced by <i>E. coli</i> in the rat. <i>Thorax</i> , 2015, 70, 625-635.	2.7	163
36	Permissive hypercapnia. <i>Current Opinion in Anaesthesiology</i> , 2015, 28, 26-37.	0.9	46

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37	Pulmonary overexpression of inhibitor β decreases the severity of ventilator-induced lung injury in a rat model. <i>British Journal of Anaesthesia</i> , 2014, 113, 1046-1054.	1.5	9
38	The mesenchymal stromal cell magic bullet finds yet another target. <i>Stem Cell Research and Therapy</i> , 2014, 5, 82.	2.4	1
39	Inhibition of pulmonary nuclear factor kappa-B decreases the severity of acute Escherichia coli pneumonia but worsens prolonged pneumonia. <i>Critical Care</i> , 2013, 17, R82.	2.5	24
40	Effects of Intratracheal Mesenchymal Stromal Cell Therapy during Recovery and Resolution after Ventilator-induced Lung Injury. <i>Anesthesiology</i> , 2013, 118, 924-932.	1.3	92
41	Overexpression of pulmonary extracellular superoxide dismutase attenuates endotoxin-induced acute lung injury. <i>Intensive Care Medicine</i> , 2011, 37, 1680-7.	3.9	20