Arul Vadivel

List of Publications by Year in descending order

16 papers	538 citations	758635 12 h-index	940134 16 g-index
16 all docs	16 docs citations	16 times ranked	875 citing authors

#	Article	IF	Citations
1	Single-Cell RNA Sequencing-Based Characterization of Resident Lung Mesenchymal Stromal Cells in Bronchopulmonary Dysplasia. Stem Cells, 2022, 40, 479-492.	1.4	9
2	Pulmonary and Neurologic Effects of Mesenchymal Stromal Cell Extracellular Vesicles in a Multifactorial Lung Injury Model. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 1186-1201.	2.5	15
3	Fully automated estimation of the mean linear intercept in histopathology images of mouse lung tissue. Journal of Medical Imaging, 2021, 8, 027501.	0.8	3
4	Characterization of the innate immune response in a novel murine model mimicking bronchopulmonary dysplasia. Pediatric Research, 2021, 89, 803-813.	1.1	5
5	Late Rescue Therapy with Cord-Derived Mesenchymal Stromal Cells for Established Lung Injury in Experimental Bronchopulmonary Dysplasia. Stem Cells and Development, 2020, 29, 364-371.	1.1	14
6	A lung tropic AAV vector improves survival in a mouse model of surfactant B deficiency. Nature Communications, 2020, 11, 3929.	5.8	37
7	Oxygen Disrupts Human Fetal Lung Mesenchymal Cells. Implications for Bronchopulmonary Dysplasia. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 592-600.	1.4	30
8	Human induced pluripotent stem cellâ€“derived lung progenitor and alveolar epithelial cells attenuate hyperoxia-induced lung injury. Cytotherapy, 2018, 20, 108-125.	0.3	46
9	Endothelial colony-forming cell therapy for heart morphological changes after neonatal high oxygen exposure in rats, a model of complications of prematurity. Physiological Reports, 2018, 6, e13922.	0.7	3
10	Impaired Angiogenic Supportive Capacity and Altered Gene Expression Profile of Resident CD146+ Mesenchymal Stromal Cells Isolated from Hyperoxia-Injured Neonatal Rat Lungs. Stem Cells and Development, 2018, 27, 1109-1124.	1.1	25
11	Functional Differences Between Placental Micro- and Macrovascular Endothelial Colony-Forming Cells. Stem Cells Translational Medicine, 2016, 5, 291-300.	1.6	22
12	Impact of bronchopulmonary dysplasia on brain and retina. Biology Open, 2016, 5, 475-483.	0.6	19
13	The isolation and culture of endothelial colony-forming cells from human and rat lungs. Nature Protocols, 2015, 10, 1697-1708.	5.5	94
14	Existence, Functional Impairment, and Lung Repair Potential of Endothelial Colony-Forming Cells in Oxygen-Induced Arrested Alveolar Growth. Circulation, 2014, 129, 2144-2157.	1.6	139
15	Exogenous Hydrogen Sulfide (H2S) Protects Alveolar Growth in Experimental O2-Induced Neonatal Lung Injury. PLoS ONE, 2014, 9, e90965.	1.1	44
16	The Axonal Guidance Cue Semaphorin 3C Contributes to Alveolar Growth and Repair. PLoS ONE, 2013, 8, e67225.	1.1	33