

Arul Vadivel

List of Publications by Year in descending order

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16
papers

538
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758635

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citing authors

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