S Alex Mitsialis

List of Publications by Year
in descending order

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47 papers	5,082 citations	172207 29 h-index	253896 43 g-index
48 all docs	48 docs citations	48 times ranked	6790 citing authors

#	Article	IF	Citations
1	Exosomes Mediate the Cytoprotective Action of Mesenchymal Stromal Cells on Hypoxia-Induced Pulmonary Hypertension. Circulation, 2012, 126, 2601-2611.	1.6	686
2	Bone Marrow Stromal Cells Attenuate Lung Injury in a Murine Model of Neonatal Chronic Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 1122-1130.	2.5	452
3	Mesenchymal Stromal Cell Exosomes Ameliorate Experimental Bronchopulmonary Dysplasia and Restore Lung Function through Macrophage Immunomodulation. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 104-116.	2.5	450
4	Defining mesenchymal stromal cell (MSC)â€derived small extracellular vesicles for therapeutic applications. Journal of Extracellular Vesicles, 2019, 8, 1609206.	5.5	400
5	Carbon Monoxide Controls the Proliferation of Hypoxic Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 1997, 272, 32804-32809.	1.6	299
6	Early Macrophage Recruitment and Alternative Activation Are Critical for the Later Development of Hypoxia-Induced Pulmonary Hypertension. Circulation, 2011, 123, 1986-1995.	1.6	222
7	Bronchioalveolar stem cells increase after mesenchymal stromal cell treatment in a mouse model of bronchopulmonary dysplasia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L829-L837.	1.3	209
8	PPARÎ³ agonist pioglitazone reverses pulmonary hypertension and prevents right heart failure via fatty acid oxidation. Science Translational Medicine, 2018, 10, .	5.8	198
9	Systemic Administration of Human Bone Marrow-Derived Mesenchymal Stromal Cell Extracellular Vesicles Ameliorates Aspergillus Hyphal Extract-Induced Allergic Airway Inflammation in Immunocompetent Mice. Stem Cells Translational Medicine, 2015, 4, 1302-1316.	1.6	191
10	Mesenchymal Stem Cellâ€Mediated Reversal of Bronchopulmonary Dysplasia and Associated Pulmonary Hypertension. Pulmonary Circulation, 2012, 2, 170-181.	0.8	184
11	Toward Exosome-Based Therapeutics: Isolation, Heterogeneity, and Fit-for-Purpose Potency. Frontiers in Cardiovascular Medicine, 2017, 4, 63.	1.1	180
12	The Role of Heme Oxygenase-1 in Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 158-165.	1.4	178
13	Mesenchymal stromal cell exosomes prevent and revert experimental pulmonary fibrosis through modulation of monocyte phenotypes. JCI Insight, 2019, 4, .	2.3	144
14	Regulatory elements controlling chorion gene expression are conserved between flies and moths. Nature, 1985, 317, 453-456.	13.7	121
15	The Sugen 5416/Hypoxia Mouse Model of Pulmonary Hypertension Revisited: Longâ€Term Followâ€Up. Pulmonary Circulation, 2014, 4, 619-629.	0.8	113
16	Mesenchymal Stromal Cells Expressing Heme Oxygenase-1 Reverse Pulmonary Hypertension. Stem Cells, 2011, 29, 99-107.	1.4	105
17	Absence of Cyclooxygenase-2 Exacerbates Hypoxia-Induced Pulmonary Hypertension and Enhances Contractility of Vascular Smooth Muscle Cells. Circulation, 2008, 117, 2114-2122.	1.6	80
18	Retinoic acid alters the expression of pattern-related genes in the developing rat lung. , 1996, 207, 47-59.		75

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19	Mutation of Murine Adenylate Kinase 7 Underlies a Primary Ciliary Dyskinesia Phenotype. American Journal of Respiratory Cell and Molecular Biology, 2009, 40, 305-313.	1.4	74
20	Stem cellâ€“based therapies for the newborn lung and brain: Possibilities and challenges. Seminars in Perinatology, 2016, 40, 138-151.	1.1	64
21	Mesenchymal stromal cellâ€derived small extracellular vesicles restore lung architecture and improve exercise capacity in a model of neonatal hyperoxiaâ€induced lung injury. Journal of Extracellular Vesicles, 2020, 9, 1790874.	5.5	57
22	Macrophage Immunomodulation: The Gatekeeper for Mesenchymal Stem Cell Derived-Exosomes in Pulmonary Arterial Hypertension?. International Journal of Molecular Sciences, 2018, 19, 2534.	1.8	49
23	An Argonaute 2 switch regulates circulating miR-210 to coordinate hypoxic adaptation across cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2528-2542.	1.9	48
24	â€œGood things come in small packagesâ€• application of exosome-based therapeutics in neonatal lung injury. Pediatric Research, 2018, 83, 298-307.	1.1	48
25	Endothelial Indoleamine 2,3-Dioxygenase Protects against Development of Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 482-491.	2.5	41
26	Extracellular acidosis induces heme oxygenase-1 expression in vascular smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2647-H2652.	1.5	40
27	Vasculoprotective effects of heme oxygenase-1 in a murine model of hyperoxia-induced bronchopulmonary dysplasia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L775-L784.	1.3	39
28	Hypoxia Regulates Bone Morphogenetic Protein Signaling Through C-Terminalâ€“Binding Protein 1. Circulation Research, 2006, 99, 240-247.	2.0	37
29	Extracellular Vesicles Protect the Neonatal Lung from Hyperoxic Injury through the Epigenetic and Transcriptomic Reprogramming of Myeloid Cells. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 1418-1432.	2.5	36
30	Ultraspiracle, a Drosophila Retinoic X Receptor Î± Homologue, Can Mobilize the Human Thyroid Hormone Receptor To Transactivate a Human Promoter. Biochemistry, 1997, 36, 9221-9231.	1.2	31
31	Transgenic regulation of moth chorion gene promoters inDrosophila: Tissue, temporal, and quantitative control of four bidirectional promoters. Journal of Molecular Evolution, 1989, 29, 486-495.	0.8	27
32	Improved pulmonary vascular reactivity and decreased hypertrophic remodeling during nonhypercapnic acidosis in experimental pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L875-L890.	1.3	26
33	Therapeutic Applications of Extracellular Vesicles: Perspectives from Newborn Medicine. Methods in Molecular Biology, 2017, 1660, 409-432.	0.4	26
34	Divergent Cardiopulmonary Actions of Heme Oxygenase Enzymatic Products in Chronic Hypoxia. PLoS ONE, 2009, 4, e5978.	1.1	24
35	Antenatal Mesenchymal Stromal Cell Extracellular Vesicle Therapy Prevents Preeclamptic Lung Injury in Mice. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 86-95.	1.4	24
36	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Restore Thymic Architecture and T Cell Function Disrupted by Neonatal Hyperoxia. Frontiers in Immunology, 2021, 12, 640595.	2.2	17

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37	Heme oxygenase-1 dampens the macrophage sterile inflammasome response and regulates its components in the hypoxic lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L125-L134.	1.3	16
38	Mesenchymal stromal cell-derived extracellular vesicle therapy prevents preeclamptic physiology through intrauterine immunomodulationâ€. Biology of Reproduction, 2021, 104, 457-467.	1.2	16
39	Paving the Road for Mesenchymal Stem Cell-Derived Exosome Therapy in Bronchopulmonary Dysplasia and Pulmonary Hypertension. , 2019, , 131-152.		15
40	Antenatal mesenchymal stromal cell extracellular vesicle treatment preserves lung development in a model of bronchopulmonary dysplasia due to chorioamnionitis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L179-L190.	1.3	12
41	Therapeutic Effects of Mesenchymal Stromal Cell-Derived Small Extracellular Vesicles in Oxygen-Induced Multi-Organ Disease: A Developmental Perspective. Frontiers in Cell and Developmental Biology, 2021, 9, 647025.	1.8	11
42	Mesenchymal stromal cellâ€derived syndecanâ€2 regulates the immune response during sepsis to foster bacterial clearance and resolution of inflammation. FEBS Journal, 2022, 289, 417-435.	2.2	8
43	The Unsettling Ambiguity of Therapeutic Extracellular Vesicles from Mesenchymal Stromal Cells. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 539-540.	1.4	5
44	Reply to Muraca et al.: Exosome Treatment of Bronchopulmonary Dysplasia: How Pure Should Your Exosome Preparation Be?. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 970-970.	2.5	3
45	Intratracheal transplantation of trophoblast stem cells attenuates acute lung injury in mice. Stem Cell Research and Therapy, 2021, 12, 487.	2.4	1
46	Targeted Expression of Heme Oxygenase-1 and Pulmonary Responses to Hypoxia. , 2002, , 193-204.		0
47	Late Breaking Abstract - Mesenchymal stromal cell exosomes prevent and revert experimental pulmonary fibrosis through systemic modulation of monocyte phenotypes. , 2018, , .		0