

Robert P Jankov

List of Publications by Year in descending order

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34
papers

1,219
citations

304743

22
h-index

377865

34
g-index

34
all docs

34
docs citations

34
times ranked

1250
citing authors

#	ARTICLE	IF	CITATIONS
1	Thrombospondin-1 Plays a Major Pathogenic Role in Experimental and Human Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, , .	5.6	4
2	Single cell transcriptomic analysis of murine lung development on hyperoxia-induced damage. <i>Nature Communications</i> , 2021, 12, 1565.	12.8	89
3	Effect of inhaled oxygen concentration on ¹²⁹ Xe chemical shift of red blood cells in rat lungs. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1187-1193.	3.0	2
4	Hyperpolarized ¹²⁹ Xe magnetic resonance spectroscopy in a rat model of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L507-L517.	2.9	4
5	Chemical shift of ¹²⁹ Xe dissolved in red blood cells: Application to a rat model of bronchopulmonary dysplasia. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 52-60.	3.0	5
6	Fractal Dimension Does Not Correlate As Well With Models of Neonatal Chronic Lung Injury as It Does With Placental Distal Villous Hypoplasia. <i>Pediatric and Developmental Pathology</i> , 2019, 22, 171-174.	1.0	1
7	Cardiopulmonary Adaptation During First Day of Life in Human Neonates. <i>Journal of Pediatrics</i> , 2018, 200, 50-57.e2.	1.8	33
8	Sodium nitrite augments lung <i>S</i> -nitrosylation and reverses chronic hypoxic pulmonary hypertension in juvenile rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L742-L751.	2.9	16
9	Left Ventricular Function in Healthy Term Neonates During the Transitional Period. <i>Journal of Pediatrics</i> , 2017, 182, 197-203.e2.	1.8	51
10	Intermittent hypoxia during recovery from neonatal hyperoxic lung injury causes long-term impairment of alveolar development: A new rat model of BPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L208-L216.	2.9	40
11	mTOR-Notch3 signaling mediates pulmonary hypertension in hypoxia-exposed neonatal rats independent of changes in autophagy. <i>Pediatric Pulmonology</i> , 2017, 52, 1443-1454.	2.0	14
12	Leukotriene B4 mediates macrophage influx and pulmonary hypertension in bleomycin-induced chronic neonatal lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L292-L302.	2.9	32
13	Simvastatin prevents and reverses chronic pulmonary hypertension in newborn rats via pleiotropic inhibition of RhoA signaling. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L985-L999.	2.9	22
14	All-Trans Retinoic Acid Induces TGF- β 2 in Intestinal Epithelial Cells via RhoA- and p38 β -MAPK-Mediated Activation of the Transcription Factor ATF2. <i>PLoS ONE</i> , 2015, 10, e0134003.	2.5	20
15	Arginase inhibition prevents bleomycin-induced pulmonary hypertension, vascular remodeling, and collagen deposition in neonatal rat lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L503-L510.	2.9	42
16	Neutrophil elastase-induced elastin degradation mediates macrophage influx and lung injury in 60% O ₂ -exposed neonatal rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L53-L62.	2.9	10
17	Rho Kinase Mediates Right Ventricular Systolic Dysfunction in Rats with Chronic Neonatal Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 717-727.	2.9	9
18	Rho-Kinase Inhibitor Prevents Bleomycin-Induced Injury in Neonatal Rats Independent of Effects on Lung Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 61-73.	2.9	34

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19	A Comprehensive Echocardiographic Protocol for Assessing Neonatal Right Ventricular Dimensions and Function in the Transitional Period: Normative Data and Z Scores. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 1293-1304.	2.8	147
20	Therapeutic hypercapnia prevents inhaled nitric oxide-induced right-ventricular systolic dysfunction in juvenile rats. <i>Free Radical Biology and Medicine</i> , 2014, 69, 35-49.	2.9	15
21	Cyclic stretch stimulates nitric oxide synthase-1-dependent peroxynitrite formation by neonatal rat pulmonary artery smooth muscle. <i>Free Radical Biology and Medicine</i> , 2013, 61, 310-319.	2.9	21
22	Sustained therapeutic hypercapnia attenuates pulmonary arterial Rho-kinase activity and ameliorates chronic hypoxic pulmonary hypertension in juvenile rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H2599-H2611.	3.2	25
23	Therapeutic hypercapnia prevents bleomycin-induced pulmonary hypertension in neonatal rats by limiting macrophage-derived tumor necrosis factor- α . <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 303, L75-L87.	2.9	25
24	Rescue treatment with a Rho-kinase inhibitor normalizes right ventricular function and reverses remodeling in juvenile rats with chronic pulmonary hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1854-H1864.	3.2	46
25	Effects of Rho-Kinase Inhibition on Pulmonary Hypertension, Lung Growth, and Structure in Neonatal Rats Chronically Exposed to Hypoxia. <i>Pediatric Research</i> , 2010, 67, 177-182.	2.3	52
26	Acute vasodilator effects of Rho-kinase inhibitors in neonatal rats with pulmonary hypertension unresponsive to nitric oxide. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L205-L213.	2.9	98
27	Therapeutic hypercapnia prevents chronic hypoxia-induced pulmonary hypertension in the newborn rat. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L912-L922.	2.9	80
28	A role for platelet-derived growth factor β 2-receptor in a newborn rat model of endothelin-mediated pulmonary vascular remodeling. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 288, L1162-L1170.	2.9	55
29	Hepatocyte Growth Factor Is Required for Alveologenesis in the Neonatal Rat. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 907-914.	5.6	51
30	Growth factors, postnatal lung growth and bronchopulmonary dysplasia. <i>Paediatric Respiratory Reviews</i> , 2004, 5, S265-S275.	1.8	36
31	Macrophages as a major source of oxygen radicals in the hyperoxic newborn rat lung. <i>Free Radical Biology and Medicine</i> , 2003, 35, 200-209.	2.9	33
32	Fibroblast Growth Factor Receptor-1 and Neonatal Compensatory Lung Growth after Exposure to 95% Oxygen. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 1554-1561.	5.6	27
33	Hepoxilin Analogs Inhibit Bleomycin-Induced Pulmonary Fibrosis in the Mouse. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 301, 435-440.	2.5	25
34	Endothelin-1 and O ₂ -Mediated Pulmonary Hypertension in Neonatal Rats: A Role for Products of Lipid Peroxidation. <i>Pediatric Research</i> , 2000, 48, 289-298.	2.3	55