

# 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	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
2	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
3	Single cell transcriptomic analysis of murine lung development on hyperoxia-induced damage. <i>Nature Communications</i> , 2021, 12, 1565.	12.8	89
4	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
5	Endothelin-1 and O <sub>2</sub> -Mediated Pulmonary Hypertension in Neonatal Rats: A Role for Products of Lipid Peroxidation. <i>Pediatric Research</i> , 2000, 48, 289-298.	2.3	55
6	A role for platelet-derived growth factor $\beta$ 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
7	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
8	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
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	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
11	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
12	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
13	Growth factors, postnatal lung growth and bronchopulmonary dysplasia. <i>Paediatric Respiratory Reviews</i> , 2004, 5, S265-S275.	1.8	36
14	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
15	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
16	Cardiopulmonary Adaptation During First Day of Life in Human Neonates. <i>Journal of Pediatrics</i> , 2018, 200, 50-57.e2.	1.8	33
17	Leukotriene B <sub>4</sub> 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
18	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

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19	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
20	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
21	Therapeutic hypercapnia prevents bleomycin-induced pulmonary hypertension in neonatal rats by limiting macrophage-derived tumor necrosis factor- $\alpha$ . <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 303, L75-L87.	2.9	25
22	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
23	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
24	All-Trans Retinoic Acid Induces TGF- $\beta$ 2 in Intestinal Epithelial Cells via RhoA- and p38 $\beta$ -MAPK-Mediated Activation of the Transcription Factor ATF2. <i>PLoS ONE</i> , 2015, 10, e0134003.	2.5	20
25	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
26	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
27	mTOR $\beta$ -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
28	Neutrophil elastase-induced elastin degradation mediates macrophage influx and lung injury in 60% O <sub>2</sub> -exposed neonatal rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L53-L62.	2.9	10
29	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
30	Chemical shift of <sup>129</sup> 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
31	Hyperpolarized <sup>129</sup> 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
32	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
33	Effect of inhaled oxygen concentration on <sup>129</sup> Xe chemical shift of red blood cells in rat lungs. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1187-1193.	3.0	2
34	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