Kathryn N Farrow

List of Publications by Year
in descending order

40 papers	1,485 citations	331259 21 h-index	315357 38 g-index
40 all docs	40 docs citations	40 times ranked	1385 citing authors

#	Article	IF	Citations
1	Hyperoxia Increases Phosphodiesterase 5 Expression and Activity in Ovine Fetal Pulmonary Artery Smooth Muscle Cells. Circulation Research, 2008, 102, 226-233.	2.0	141
2	Superoxide dismutase restores eNOS expression and function in resistance pulmonary arteries from neonatal lambs with persistent pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L979-L987.	1.3	138
3	Milrinone enhances relaxation to prostacyclin and iloprost in pulmonary arteries isolated from lambs with persistent pulmonary hypertension of the newborn. Pediatric Critical Care Medicine, 2009, 10, 106-112.	0.2	83
4	Mitochondrial oxidant stress increases PDE5 activity in persistent pulmonary hypertension of the newborn. Respiratory Physiology and Neurobiology, 2010, 174, 272-281.	0.7	72
5	Hypoxia Increases ROS Signaling and Cytosolic Ca²⁺ in Pulmonary Artery Smooth Muscle Cells of Mouse Lungs Slices. Antioxidants and Redox Signaling, 2010, 12, 595-602.	2.5	70
6	The diseases treated with ECMO: Focus on PPHN. Seminars in Perinatology, 2005, 29, 8-14.	1.1	67
7	SOD and inhaled nitric oxide normalize phosphodiesterase 5 expression and activity in neonatal lambs with persistent pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 299, L109-L116.	1.3	63
8	Brief Hyperoxia Increases Mitochondrial Oxidation and Increases Phosphodiesterase 5 Activity in Fetal Pulmonary Artery Smooth Muscle Cells. Antioxidants and Redox Signaling, 2012, 17, 460-470.	2.5	60
9	Mouse lung development and NOX1 induction during hyperoxia are developmentally regulated and mitochondrial ROS dependent. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L369-L377.	1.3	59
10	eNOS function is developmentally regulated: uncoupling of eNOS occurs postnatally. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L232-L241.	1.3	58
11	Hydrocortisone normalizes oxygenation and cGMP regulation in lambs with persistent pulmonary hypertension of the newborn. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L595-L603.	1.3	51
12	Developmental Regulation of Antioxidant Enzymes and Their Impact on Neonatal Lung Disease. Antioxidants and Redox Signaling, 2014, 21, 1837-1848.	2.5	50
13	Disrupted Pulmonary Artery Cyclic Guanosine Monophosphate Signaling in Mice with Hyperoxia-Induced Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 369-378.	1.4	48
14	Regulation of Phosphodiesterase 3 in the Pulmonary Arteries During the Perinatal Period in Sheep. Pediatric Research, 2009, 66, 682-687.	1.1	46
15	Apocynin improves oxygenation and increases eNOS in persistent pulmonary hypertension of the newborn. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L616-L626.	1.3	38
16	Selective depletion of vascular EC-SOD augments chronic hypoxic pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L868-L876.	1.3	38
17	Postnatal Weight Gain in Preterm Infants with Severe Bronchopulmonary Dysplasia. American Journal of Perinatology, 2014, 31, 223-230.	0.6	35
18	Phosphodiesterases: Emerging Therapeutic Targets for Neonatal Pulmonary Hypertension. Handbook of Experimental Pharmacology, 2011, , 251-277.	0.9	28

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19	Cord blood biomarkers of vascular endothelial growth (VEGF and sFlt-1) and postnatal growth: A preterm birth cohort study. Early Human Development, 2014, 90, 195-200.	0.8	28
20	Cord blood 8-isoprostane in the preterm infant. Early Human Development, 2012, 88, 683-689.	0.8	23
21	Hydrocortisone Normalizes Phosphodiesteraseâ€5 Activity in Pulmonary Artery Smooth Muscle Cells from Lambs with Persistent Pulmonary Hypertension of the Newborn. Pulmonary Circulation, 2014, 4, 71-81.	0.8	23
22	Peripherally Inserted Central Catheters Complicated by Vascular Erosion in Neonates. Journal of Parenteral and Enteral Nutrition, 2016, 40, 890-895.	1.3	23
23	The c-Jun Î´-Domain Inhibits Neuroendocrine Promoter Activity in a DNA Sequence- and Pituitary-specific Manner. Journal of Biological Chemistry, 1996, 271, 17139-17146.	1.6	22
24	Hyperoxia-Induced Proliferative Retinopathy: Early Interruption of Retinal Vascular Development with Severe and Irreversible Neurovascular Disruption. PLoS ONE, 2016, 11, e0166886.	1.1	22
25	Pulmonary Hypertension in the Neonate. NeoReviews, 2007, 8, e14-e21.	0.4	21
26	Cyclic Stretch Induces Inducible Nitric Oxide Synthase and Soluble Guanylate Cyclase in Pulmonary Artery Smooth Muscle Cells. International Journal of Molecular Sciences, 2013, 14, 4334-4348.	1.8	18
27	Right ventricular cyclic nucleotide signaling is decreased in hyperoxia-induced pulmonary hypertension in neonatal mice. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1575-H1582.	1.5	18
28	Cytomegalovirus Enterocolitis Mimicking Necrotizing Enterocolitis: Case Reports and Review of the Literature. Journal of the Pediatric Infectious Diseases Society, 2013, 2, 71-75.	0.6	17
29	Pulmonary Hypertension in Premature Infants. Sharpening the Tools of Detection. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 12-14.	2.5	17
30	A Role for cAMP and Protein Kinase A in Experimental Necrotizing Enterocolitis. American Journal of Pathology, 2017, 187, 401-417.	1.9	17
31	Intrauterine Growth Restriction and Hyperoxia as a Cause of White Matter Injury. Developmental Neuroscience, 2018, 40, 344-357.	1.0	15
32	Isolation of Pulmonary Artery Smooth Muscle Cells from Neonatal Mice. Journal of Visualized Experiments, 2013, , e50889.	0.2	14
33	Photoreceptor oxidative stress in hyperoxia-induced proliferative retinopathy accelerates rd8 degeneration. PLoS ONE, 2017, 12, e0180384.	1.1	12
34	Aberrant cGMP signaling persists during recovery in mice with oxygen-induced pulmonary hypertension. PLoS ONE, 2017, 12, e0180957.	1.1	11
35	Transforming Growth Factor-beta1 Inhibits Rat Prolactin Promoter Activity in GH4Neuroendocrine Cells. DNA and Cell Biology, 1999, 18, 863-873.	0.9	10
36	SOD2 Activity Is not Impacted by Hyperoxia in Murine Neonatal Pulmonary Artery Smooth Muscle Cells and Mice. International Journal of Molecular Sciences, 2015, 16, 6373-6390.	1.8	10

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37	Sildenafil Attenuates Vaso-Obliteration and Neovascularization in a Mouse Model of Retinopathy of Prematurity. , 2014, 55, 1493.		9
38	Early low-dose hydrocortisone: is the neurodevelopment affected?. Journal of Perinatology, 2018, 38, 636-638.	0.9	5
39	Dose-dependent effects of glucocorticoids on pulmonary vascular development in a murine model of hyperoxic lung injury. Pediatric Research, 2016, 79, 759-765.	1.1	4
40	Structural and Functional Analysis of the Differential Effects of c-Jun and v-Jun on Prolactin Gene Expression. Molecular Endocrinology, 2004, 18, 2479-2490.	3.7	1