

# William J Pearce

## List of Publications by Year in descending order

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216  
papers

4,764  
citations

109137

35  
h-index

143772

57  
g-index

217  
all docs

217  
docs citations

217  
times ranked

4154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxic modulation of fetal vascular MLCK abundance, localization, and function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R1-R18.	0.9	3
2	Postnatal development alters functional compartmentalization of myosin light chain kinase in ovine carotid arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R441-R453.	0.9	1
3	Maternal Undernutrition Modulates Neonatal Rat Cerebrovascular Structure, Function, and Vulnerability to Mild Hypoxic-Ischemic Injury via Corticosteroid-Dependent and -Independent Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 680.	1.8	3
4	Acute intranasal osteopontin treatment in male rats following TBI increases the number of activated microglia but does not alter lesion characteristics. <i>Journal of Neuroscience Research</i> , 2020, 98, 141-154.	1.3	14
5	Prenatal metyrapone treatment modulates neonatal cerebrovascular structure, function, and vulnerability to mild hypoxic-ischemic injury. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R1-R16.	0.9	1
6	Acute Treatment With Gleevec Does Not Promote Early Vascular Recovery Following Intracerebral Hemorrhage in Adult Male Rats. <i>Frontiers in Neuroscience</i> , 2020, 14, 46.	1.4	1
7	Temporal evolution of heme oxygenase-1 expression in reactive astrocytes and microglia in response to traumatic brain injury. <i>Brain Hemorrhages</i> , 2020, 1, 65-74.	0.4	3
8	A Novel Technique for Visualizing and Analyzing the Cerebral Vasculature in Rodents. <i>Translational Stroke Research</i> , 2019, 10, 216-230.	2.3	19
9	MicroRNAs in brain development and cerebrovascular pathophysiology. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C3-C19.	2.1	36
10	PDGFR- $\beta$ modulates vascular smooth muscle cell phenotype via IRF-9/SIRT-1/NF- $\kappa$ B pathway in subarachnoid hemorrhage rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1369-1380.	2.4	41
11	Male and Female Mice Exhibit Divergent Responses of the Cortical Vasculature to Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 1646-1658.	1.7	59
12	Vascular smooth muscle cells direct extracellular dysregulation in aortic stiffening of hypertensive rats. <i>Aging Cell</i> , 2018, 17, e12748.	3.0	30
13	A path well travelled may lead to better stroke recovery. <i>Acta Physiologica</i> , 2018, 223, e13061.	1.8	0
14	Inhibition of stress fiber formation preserves blood-brain barrier after intracerebral hemorrhage in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 87-102.	2.4	37
15	Up-regulation of Wnt/ $\beta$ -catenin expression is accompanied with vascular repair after traumatic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 274-289.	2.4	45
16	Fetal Cerebrovascular Maturation: Effects of Hypoxia. <i>Seminars in Pediatric Neurology</i> , 2018, 28, 17-28.	1.0	16
17	Long-term hypoxia uncouples $Ca^{2+}$ and eNOS in bradykinin-mediated pulmonary arterial relaxation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R870-R882.	0.9	8
18	Gestational Hypoxia and Developmental Plasticity. <i>Physiological Reviews</i> , 2018, 98, 1241-1334.	13.1	123

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19	For myosin light chain phosphatase, a very small subunit can make very big differences in the heart. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H1157-H1159.	1.5	1
20	Chronic hypoxia attenuates the vasodilator efficacy of protein kinase G in fetal and adult ovine cerebral arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H207-H219.	1.5	13
21	Traumatic brain injury results in acute rarefaction of the vascular network. Scientific Reports, 2017, 7, 239.	1.6	53
22	Recanalization, reperfusion, and recirculation in stroke. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3818-3823.	2.4	11
23	Chronic Hypobaric Hypoxia Modulates Primary Cilia Differently in Adult and Fetal Ovine Kidneys. Frontiers in Physiology, 2017, 8, 677.	1.3	6
24	Development and Function of the Cerebrovascular System. , 2017, , 841-847.		0
25	Chronic hypoxia alters fetal cerebrovascular responses to endothelin-1. American Journal of Physiology - Cell Physiology, 2017, 313, C207-C218.	2.1	9
26	Chronic cerebrovascular dysfunction after traumatic brain injury. Journal of Neuroscience Research, 2016, 94, 609-622.	1.3	97
27	Vitamin D status and metabolism in an ovine pregnancy model: effect of long-term, high-altitude hypoxia. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E1062-E1071.	1.8	9
28	Imatinib attenuates cerebrovascular injury and phenotypic transformation after intracerebral hemorrhage in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1093-R1104.	0.9	12
29	Developmental acceleration of bradykinin-dependent relaxation by prenatal chronic hypoxia impedes normal development after birth. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L271-L286.	1.3	12
30	Role of PDGF-D and PDGFR- $\hat{1}^2$ in neuroinflammation in experimental ICH mice model. Experimental Neurology, 2016, 283, 157-164.	2.0	49
31	Platelet-Derived Growth Factor Receptor- $\hat{1}^2$ Regulates Vascular Smooth Muscle Cell Phenotypic Transformation and Neuroinflammation After Intracerebral Hemorrhage in Mice. Critical Care Medicine, 2016, 44, e390-e402.	0.4	18
32	Recombinant Osteopontin Stabilizes Smooth Muscle Cell Phenotype via Integrin Receptor/Integrin-Linked Kinase/Rac-1 Pathway After Subarachnoid Hemorrhage in Rats. Stroke, 2016, 47, 1319-1327.	1.0	61
33	Long-term effects of maternal undernutrition on offspring carotid artery remodeling: role of miR-29c. Journal of Developmental Origins of Health and Disease, 2015, 6, 342-349.	0.7	18
34	Role of the Sympathetic Autonomic Nervous System in Hypoxic Remodeling of the Fetal Cerebral Vasculature. Journal of Cardiovascular Pharmacology, 2015, 65, 308-316.	0.8	16
35	Endothelial glucocorticoid receptor promoter methylation according to dexamethasone sensitivity. Journal of Molecular Endocrinology, 2015, 55, 133-146.	1.1	19
36	miR-29c induction contributes to downregulation of vascular extracellular matrix proteins by glucocorticoids. American Journal of Physiology - Cell Physiology, 2015, 309, C117-C125.	2.1	43

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37	Chronic Hypoxia Attenuates cGMP-dependent protein kinase (PKG)-Mediated Vasorelaxation by Depressing BK Potassium Channel Activity in Cerebral Arteries. <i>FASEB Journal</i> , 2015, 29, 948.7.	0.2	0
38	Hypoxic Remodeling of Fetal Cerebral Arteries Involves The NPY/Y1 Pathway. <i>FASEB Journal</i> , 2015, 29, 949.6.	0.2	0
39	Maturation Decreases Fractional Activation of Myosin Light Chain Kinase in Ovine Common Carotid Arteries. <i>FASEB Journal</i> , 2015, 29, 1052.7.	0.2	0
40	Chronic Hypoxia Modulates Endothelial Influences on Smooth Muscle Phenotype in Fetal Cerebral Arteries. <i>FASEB Journal</i> , 2015, 29, .	0.2	0
41	Excess Maternal Glucocorticoids in Response to In Utero Undernutrition Inhibit Offspring Angiogenesis. <i>Reproductive Sciences</i> , 2014, 21, 601-611.	1.1	17
42	Maternal food restriction modulates cerebrovascular structure and contractility in adult rat offspring: effects of metyrapone. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R401-R410.	0.9	18
43	In cerebrovascular circadian rhythms, EETs keep the beat. Focus on circadian rhythmic expression of cytochrome P450 epoxygenases CYP4x1 and CYP2c11 in the rat brain and vasculature. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C986-C988.	2.1	3
44	VEGF receptors mediate hypoxic remodeling of adult ovine carotid arteries. <i>Journal of Applied Physiology</i> , 2014, 117, 777-787.	1.2	13
45	The Fetal Cerebral Circulation: Three Decades of Exploration by the LLU Center for Perinatal Biology. <i>Advances in Experimental Medicine and Biology</i> , 2014, 814, 177-191.	0.8	3
46	Chronic hypoxia promotes preferential loss of MLCK not associated with MLC in fetal lamb arteries (700.7). <i>FASEB Journal</i> , 2014, 28, 700.7.	0.2	0
47	Chronic hypoxia differentially modulates the response of fetal ovine middle cerebral arteries to endothelin-1 (853.2). <i>FASEB Journal</i> , 2014, 28, 853.2.	0.2	0
48	NPY Å <sup>1</sup> a regulator of hypoxic cerebrovascular remodeling in fetal lambs (853.4). <i>FASEB Journal</i> , 2014, 28, 853.4.	0.2	0
49	Role of sympathetic innervation on cerebral artery remodeling during chronic hypoxia in fetal lambs (853.3). <i>FASEB Journal</i> , 2014, 28, 853.3.	0.2	0
50	Hypoxic depression of PKG-mediated inhibition of serotonergic contraction in ovine carotid arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R734-R743.	0.9	7
51	Contribution of increased VEGF receptors to hypoxic changes in fetal ovine carotid artery contractile proteins. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 304, C656-C665.	2.1	20
52	Role of BCL2-Associated Athanogene 1 in Differential Sensitivity of Human Endothelial Cells to Glucocorticoids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1046-1055.	1.1	11
53	Maturation and Differentiation of the Fetal Vasculature. <i>Clinical Obstetrics and Gynecology</i> , 2013, 56, 537-548.	0.6	17
54	Vasotrophic Regulation of Age-Dependent Hypoxic Cerebrovascular Remodeling. <i>Current Vascular Pharmacology</i> , 2013, 11, 544-563.	0.8	20

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55	Sympathetic perivascular nerves contribute to hypoxic transformation of smooth muscle phenotype in ovine cerebral arteries. <i>FASEB Journal</i> , 2013, 27, 700.4.	0.2	0
56	Chronic hypoxia and VEGF differentially modulate abundance and organization of myosin heavy chain isoforms in fetal and adult ovine arteries. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C1090-C1103.	2.1	25
57	The vascular neural network—a new paradigm in stroke pathophysiology. <i>Nature Reviews Neurology</i> , 2012, 8, 711-716.	4.9	178
58	Sympathetic perivascular nerves mediate remodeling effects of chronic hypoxia in fetal sheep cerebral arteries. <i>FASEB Journal</i> , 2012, 26, 685.1.	0.2	0
59	Preservation of Serotonin-Mediated Contractility in Adult Sheep Pulmonary Arteries Following Long-Term High-Altitude Hypoxia. <i>High Altitude Medicine and Biology</i> , 2011, 12, 253-264.	0.5	13
60	Contributions of VEGF to age-dependent transmural gradients in contractile protein expression in ovine carotid arteries. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C653-C666.	2.1	20
61	Epigenetics: an Expanding New Piece of the Stroke Puzzle. <i>Translational Stroke Research</i> , 2011, 2, 243-247.	2.3	10
62	Long-Term Maternal Hypoxia. <i>Reproductive Sciences</i> , 2011, 18, 948-962.	1.1	28
63	Fetal Cerebral Oxygenation: The Homeostatic Role of Vascular Adaptations to Hypoxic Stress. <i>Advances in Experimental Medicine and Biology</i> , 2011, 701, 225-232.	0.8	15
64	VEGF contributes to hypoxic vascular remodeling of ovine carotid arteries. <i>FASEB Journal</i> , 2011, 25, 1091.13.	0.2	0
65	Chronic hypoxia modulates effects of VEGF receptors on structure and function in ovine common carotid arteries. <i>FASEB Journal</i> , 2011, 25, 1091.16.	0.2	0
66	VEGF-Induced Age-Dependent Contractile Protein Gradients in Ovine Carotid Arteries. <i>FASEB Journal</i> , 2011, 25, 1091.15.	0.2	0
67	Roles of cytosolic Ca <sup>2+</sup> concentration and myofilament Ca <sup>2+</sup> sensitization in age-dependent cerebrovascular myogenic tone. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1034-H1044.	1.5	17
68	Effect of maternal undernutrition on vascular expression of micro and messenger RNA in newborn and aging offspring. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1366-R1374.	0.9	41
69	Phenotypic differences between neonatal and adult ovine carotid arteries predict reactivity to chronic hypoxia and VEGF. <i>FASEB Journal</i> , 2010, 24, 980.8.	0.2	0
70	Effects of chronic hypoxia on soluble guanylate cyclase activity in fetal and adult ovine cerebral arteries. <i>Journal of Applied Physiology</i> , 2009, 107, 192-199.	1.2	21
71	Maturation and long-term hypoxia alters Ca <sup>2+</sup> -induced Ca <sup>2+</sup> release in sheep cerebrovascular sympathetic neurons. <i>Journal of Applied Physiology</i> , 2009, 107, 1223-1234.	1.2	8
72	Advancing Age Alters the Contribution of Calcium Release From Smooth Endoplasmic Reticulum Stores in Superior Cervical Ganglion Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 34-44.	1.7	4

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73	Multifunctional angiogenic factors: add GnRH to the list. Focus on "Gonadotropin-releasing hormone-regulated chemokine expression in human placentation" American Journal of Physiology - Cell Physiology, 2009, 297, C4-C5.	2.1	3
74	In vivo imaging demonstrates a timeline for new vessel formation in islet transplantation. Pediatric Transplantation, 2009, 13, 892-897.	0.5	35
75	MRI Assessment of Ischemic Liver After Intraportal Islet Transplantation. Transplantation, 2009, 87, 825-830.	0.5	47
76	The role of calcium-activated chloride channels to serotonin-mediated pulmonary arterial tone is influenced by postnatal maturation. FASEB Journal, 2009, 23, 999.1.	0.2	0
77	Serotonin-mediated Ca <sup>2+</sup> signaling in pulmonary arterial myocytes and the combined influence of maturation and high-altitude exposure. FASEB Journal, 2009, 23, 619.11.	0.2	0
78	Expression of low abundance isoforms of regulatory myosin light chain validated by a novel scoring algorithm for protein isoforms correlates with vascular maturation. FASEB Journal, 2009, 23, 809.2.	0.2	0
79	Roles of PKC, RhoA and ERK signaling to serotonergic contractility of pulmonary arteries from chronic hypoxic fetal and adult sheep. FASEB Journal, 2009, 23, 619.5.	0.2	0
80	Changes in pulmonary arterial smooth muscle structure with maturation and chronic hypoxia in sheep. FASEB Journal, 2009, 23, 619.9.	0.2	0
81	Endothelial Cilia Are Fluid Shear Sensors That Regulate Calcium Signaling and Nitric Oxide Production Through Polycystin-1. Circulation, 2008, 117, 1161-1171.	1.6	404
82	Maximal stimulation-induced in situ myosin light chain kinase activity is upregulated in fetal compared with adult ovine carotid arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2289-H2298.	1.5	16
83	MYOGENIC TONE IN JUVENILE RAT MCA IS RESISTANT TO BLOCKADE OF CALCIUM INFLUX AND RELEASE OF INTRACELLULAR CALCIUM. FASEB Journal, 2008, 22, 913.3.	0.2	0
84	Serotonin mediated Ca <sup>2+</sup> events are reduced in pulmonary arterial myocytes of chronic hypoxic fetal sheep. FASEB Journal, 2008, 22, 1149.1.	0.2	0
85	Competing Effects Among Protein Kinase G, Chronic Hypoxia, and Postnatal Maturation on 5HT Agonist Affinity in Ovine Carotid Cerebral Arteries. FASEB Journal, 2008, 22, 913.7.	0.2	0
86	Role of reverse-mode sodium-calcium exchange to serotonergic contractility in pulmonary arteries of hypoxic sheep. FASEB Journal, 2008, 22, 1150.1.	0.2	0
87	5-HT <sub>2A</sub> receptor mediated contractility of Ovine pulmonary arteries: Effects of maturation and chronic hypoxia. FASEB Journal, 2008, 22, 1150.4.	0.2	0
88	Differential regulation of Protein Kinase G activity by chronic hypoxia and maturation in fetal and adult ovine cerebral arteries. FASEB Journal, 2008, 22, 1151.26.	0.2	0
89	Amino acid sequence and phosphorylation status of myosin light chain MLC <sub>20</sub> during vascular smooth muscle cell maturation. FASEB Journal, 2008, 22, 963.6.	0.2	0
90	IMPACT OF ADVANCING AGE ON CAFFEINE MEDIATED SENSITIZATION OF CALCIUM RELEASE IN SUPERIOR CERVICAL GANGLION CELLS.. FASEB Journal, 2008, 22, 1126.7.	0.2	0

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91	Contributions of PKC, RhoA and ERK signaling to serotonergic contractility of pulmonary arteries from chronic hypoxic fetal and adult sheep. <i>FASEB Journal</i> , 2008, 22, 1150.3.	0.2	0
92	Acetylcholine receptor-mediated contractility of ovine pulmonary arteries: Changes with maturation and chronic hypoxia. <i>FASEB Journal</i> , 2008, 22, 1150.6.	0.2	0
93	Role of calcium to serotonergic mediated contractility in ovine pulmonary arteries: effects of maturation and chronic hypoxia. <i>FASEB Journal</i> , 2008, 22, .	0.2	0
94	Postnatal maturation modulates relationships among cytosolic Ca <sup>2+</sup> , myosin light chain phosphorylation, and contractile tone in ovine cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2183-H2192.	1.5	17
95	Postnatal maturation attenuates pressure-evoked myogenic tone and stretch-induced increases in Ca <sup>2+</sup> in rat cerebral arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R737-R744.	0.9	13
96	Cerebrovascular effects of ischemic preconditioning: endothelial survivin joins the fray. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2559-H2560.	1.5	2
97	Myogenic contractility is more dependent on myofilament calcium sensitization in term fetal than adult ovine cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H548-H556.	1.5	9
98	Age-dependent changes in Ca <sup>2+</sup> homeostasis in peripheral neurones: implications for changes in function. <i>Aging Cell</i> , 2007, 6, 285-296.	3.0	45
99	Chronic hypoxia and the influence of maturation on serotonergic contractility in Ovine pulmonary arteries. <i>FASEB Journal</i> , 2007, 21, A1339.	0.2	0
100	Advancing age alters the contribution of release of calcium from internal stores to stimulation-evoked calcium transients. <i>FASEB Journal</i> , 2007, 21, A1350.	0.2	0
101	Chronic hypoxia and postnatal maturation alter isoform expression and specific activity of protein kinase G in ovine carotid arteries. <i>FASEB Journal</i> , 2007, 21, .	0.2	0
102	GENERATION OF MYOGENIC TONE REQUIRES RELEASE OF CALCIUM IN RAT CEREBRAL ARTERIES. <i>FASEB Journal</i> , 2007, 21, A1386.	0.2	1
103	Postnatal maturation increases the abundance, but decreases the specific activity, of MLCK in ovine carotids. <i>FASEB Journal</i> , 2007, 21, A518.	0.2	0
104	Age-dependent modulation of endothelium-dependent vasodilatation by chronic hypoxia in ovine cranial arteries. <i>Journal of Applied Physiology</i> , 2006, 100, 225-232.	1.2	37
105	Chronic hypoxic decreases in soluble guanylate cyclase protein and enzyme activity are age dependent in fetal and adult ovine carotid arteries. <i>Journal of Applied Physiology</i> , 2006, 100, 1857-1866.	1.2	22
106	Hypoxic regulation of the fetal cerebral circulation. <i>Journal of Applied Physiology</i> , 2006, 100, 731-738.	1.2	106
107	Basic and translational neonatal neuroscience research: whither goest the future of physician-scientists?. <i>Journal of Perinatology</i> , 2006, 26, S23-S29.	0.9	1
108	Role of Prostanoids in the Regulation of Cerebral Blood Flow During Normoxia and Hypoxia in the Fetal Sheep. <i>Pediatric Research</i> , 2006, 60, 524-529.	1.1	13

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109	Advancing age alters the expression of the ryanodine receptor 3 isoform in adult rat superior cervical ganglia. <i>Journal of Applied Physiology</i> , 2006, 101, 392-400.	1.2	19
110	Modulation of BK channel calcium affinity by differential phosphorylation in developing ovine basilar artery myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H732-H740.	1.5	26
111	Dexamethasone Alters Vascular Reactivity by Enhancing COX-Related Vasodilatation in Fetal Ovine Carotids. <i>Neonatology</i> , 2006, 90, 1-8.	0.9	5
112	Regulation of baseline Ca <sup>2+</sup> sensitivity in permeabilized uterine arteries: effect of pregnancy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H413-H420.	1.5	10
113	Effect of Dopamine on Vascular Reactivity in Near-Term Lamb Carotids: Role of the Endothelium. <i>Biological Research for Nursing</i> , 2006, 8, 97-103.	1.0	2
114	Chronic Hypoxia Modulates Endothelium-Dependent Vasorelaxation Through Multiple Independent Mechanisms in Ovine Cranial Arteries. , 2006, 578, 87-92.		12
115	MATURATION ALTERS CALCIUM DEPENDENT SENSITIVITY OF PRESSURE DEPENDENT CEREBROVASCULAR MYOGENIC TONE. <i>FASEB Journal</i> , 2006, 20, A296.	0.2	0
116	Chronic hypoxia modulates relations among calcium, myosin light chain phosphorylation, and force differently in fetal and adult ovine basilar arteries. <i>Journal of Applied Physiology</i> , 2005, 99, 120-127.	1.2	25
117	Advancing age alters rapid and spontaneous refilling of caffeine-sensitive calcium stores in sympathetic superior cervical ganglion cells. <i>Journal of Applied Physiology</i> , 2005, 99, 963-971.	1.2	21
118	Fetal cerebrovascular acclimatization responses to high-altitude, long-term hypoxia: a model for prenatal programming of adult disease?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R16-R24.	0.9	47
119	Maturation modulation of endothelium-dependent vasodilatation in ovine cerebral arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R149-R157.	0.9	33
120	Maturation enhances fluid shear-induced activation of eNOS in perfused ovine carotid arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2220-H2227.	1.5	19
121	Ca <sup>2+</sup> -activated K <sup>+</sup> channel-associated phosphatase and kinase activities during development. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H414-H425.	1.5	29
122	Use of Opioids in Asphyxiated Term Neonates: Effects on Neuroimaging and Clinical Outcome. <i>Pediatric Research</i> , 2005, 57, 873-878.	1.1	53
123	Myogenic stretch of ovine cerebral arteries induces both MLC phosphorylation and thin-filament activation in an age-dependent manner. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S203-S203.	2.4	0
124	ERK-mediated uterine artery contraction: role of thick and thin filament regulatory pathways. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1615-H1622.	1.5	25
125	Expression of several cytoskeletal proteins in ovine cerebral arteries: developmental and functional considerations. <i>Journal of Physiology</i> , 2004, 558, 623-632.	1.3	16
126	Role of Nitric Oxide in Hypoxic Cerebral Vasodilatation in the Ovine Fetus. <i>Journal of Physiology</i> , 2003, 549, 625-633.	1.3	48



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127	Fetal Cardiac and Cerebrovascular Acclimatization Responses to High Altitude, Long-term Hypoxia. High Altitude Medicine and Biology, 2003, 4, 203-213.	0.5	33
128	ERK Inhibition Attenuates 5-HT-Induced Contractions in Fetal and Adult Ovine Carotid Arteries. Archives of Physiology and Biochemistry, 2003, 111, 36-44.	1.0	14
129	Effect of cortisol on norepinephrine-mediated contractions in ovine uterine arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H1142-H1151.	1.5	18
130	Maturation Alters Cyclic Nucleotide and Relaxation Responses to Nitric Oxide Donors in Ovine Cerebral Arteries. Neonatology, 2003, 83, 123-135.	0.9	13
131	Chronic hypoxia alters the function of NOS nerves in cerebral arteries of near-term fetal and adult sheep. Journal of Applied Physiology, 2003, 94, 724-732.	1.2	27
132	Maturation depresses mouse cerebrovascular tone through endothelium-dependent mechanisms. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R734-R741.	0.9	24
133	Developmental differences in Ca <sup>2+</sup> -activated K <sup>+</sup> channel activity in ovine basilar artery. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H701-H709.	1.5	27
134	Mechanisms of cGMP-induced cerebral vasodilatation: contractile agonist and developmental age make a difference. International Congress Series, 2002, 1235, 379-393.	0.2	0
135	Maturation alters the contribution of potassium channels to resting and 5HT-induced tone in small cerebral arteries of the sheep. Developmental Brain Research, 2002, 133, 81-91.	2.1	17
136	Cardiovascular Responses During Stimulation Of Hindlimb Skeletal Muscle Nerves In Anaesthetized Rats. Clinical and Experimental Pharmacology and Physiology, 2002, 29, 689-695.	0.9	6
137	Modulation of pressor response to muscle contraction via monoamines following AMPA-receptor blockade in the ventrolateral medulla. Pharmacological Research, 2001, 44, 481-489.	3.1	5
138	Effects of opioid receptor activation on cardiovascular responses and extracellular monoamines within the rostral ventrolateral medulla during static contraction of skeletal muscle. Neuroscience Research, 2001, 41, 373-383.	1.0	13
139	Maturation depresses cGMP-mediated decreases in [Ca <sup>2+</sup> ] <sub>i</sub> and Ca <sup>2+</sup> sensitivity in ovine cranial arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1019-H1028.	1.5	32
140	Pregnancy enhances endothelium-dependent relaxation of ovine uterine artery: role of NO and intracellular Ca <sup>2+</sup> . American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H183-H190.	1.5	32
141	Developmental changes in ryanodine- and IP <sub>3</sub> -sensitive Ca <sup>2+</sup> pools in ovine basilar artery. American Journal of Physiology - Cell Physiology, 2001, 281, C1785-C1796.	2.1	31
142	Effects of maturation and acute hypoxia on receptor-IP <sub>3</sub> coupling in ovine common carotid arteries. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 280, R410-R417.	0.9	12
143	Effects of Maturation on Mechanisms of cGMP-Induced Cerebral Vasodilatation. Developmental Neuroscience, 2001, 23, 224-233.	1.0	3
144	Animal models of neonatal stroke. Current Opinion in Pediatrics, 2001, 13, 506-516.	1.0	62

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145	Effects of nitric oxide and GABA interaction within ventrolateral medulla on cardiovascular responses during static muscle contraction. <i>Brain Research</i> , 2001, 922, 234-242.	1.1	25
146	Simultaneous glutamate and $\hat{3}$ -aminobutyric acid release within ventrolateral medulla during skeletal muscle contraction in intact and barodenervated rats. <i>Brain Research</i> , 2001, 923, 137-146.	1.1	15
147	Ca <sup>2+</sup> Sensitivity of Fetal Coronary Arteries Exposed to Long-Term, High-Altitude Hypoxia. <i>Journal of the Society for Gynecologic Investigation</i> , 2000, 7, 161-166.	1.9	16
148	Maturation attenuates the effects of cGMP on contraction, [Ca <sup>2+</sup> ] <sub>i</sub> and Ca <sup>2+</sup> sensitivity in ovine basilar arteries. <i>General Pharmacology</i> , 2000, 35, 107-118.	0.7	13
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157	Maturation Modification of Hypoxic Relaxation in Ovine Carotid and Cerebral Arteries: Role of Endothelium. <i>Neonatology</i> , 1998, 74, 222-232.	0.9	8
158	Core and Penumbra Nitric Oxide Synthase Activity During Cerebral Ischemia and Reperfusion. <i>Stroke</i> , 1998, 29, 1037-1047.	1.0	257
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