

William J Pearce

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

205
papers

3,977
citations

32
h-index

52
g-index

217
ext. papers

4,334
ext. citations

4
avg, IF

5.26
L-index

#	Paper	IF	Citations
205	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	3.2	3
204	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	3.2	0
203	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,	6.3	2
202	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	4.4	8
201	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	5.1	1
200	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	2.1	0
199	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	3.2	1
198	MicroRNAs in brain development and cerebrovascular pathophysiology. <i>American Journal of Physiology - Cell Physiology</i> , 2019 , 317, C3-C19	5.4	14
197	PDGFR- β modulates vascular smooth muscle cell phenotype via IRF-9/SIRT-1/NF- κ B pathway in subarachnoid hemorrhage rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1369-1380	7.3	30
196	Male and Female Mice Exhibit Divergent Responses of the Cortical Vasculature to Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018 , 35, 1646-1658	5.4	32
195	Vascular smooth muscle cells direct extracellular dysregulation in aortic stiffening of hypertensive rats. <i>Aging Cell</i> , 2018 , 17, e12748	9.9	20
194	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	7.3	25
193	Long-term hypoxia uncouples Ca and eNOS in bradykinin-mediated pulmonary arterial relaxation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 314, R870-R882	3.2	4
192	Gestational Hypoxia and Developmental Plasticity. <i>Physiological Reviews</i> , 2018 , 98, 1241-1334	47.9	70
191	A Novel Technique for Visualizing and Analyzing the Cerebral Vasculature in Rodents. <i>Translational Stroke Research</i> , 2018 , 10, 216	7.8	5
190	Up-regulation of Wnt/ β -catenin expression is accompanied with vascular repair after traumatic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018 , 38, 274-289	7.3	23
189	Fetal Cerebrovascular Maturation: Effects of Hypoxia. <i>Seminars in Pediatric Neurology</i> , 2018 , 28, 17-28	2.9	9

188	Chronic hypoxia attenuates the vasodilator efficacy of protein kinase G in fetal and adult ovine cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H207-H219	5.2	12
187	Traumatic brain injury results in acute rarefication of the vascular network. <i>Scientific Reports</i> , 2017 , 7, 239	4.9	36
186	Development and Function of the Cerebrovascular System 2017 , 841-847		
185	Recanalization, reperfusion, and recirculation in stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 3818-3823	7.3	8
184	Chronic Hypobaric Hypoxia Modulates Primary Cilia Differently in Adult and Fetal Ovine Kidneys. <i>Frontiers in Physiology</i> , 2017 , 8, 677	4.6	4
183	Chronic hypoxia alters fetal cerebrovascular responses to endothelin-1. <i>American Journal of Physiology - Cell Physiology</i> , 2017 , 313, C207-C218	5.4	7
182	Developmental acceleration of bradykinin-dependent relaxation by prenatal chronic hypoxia impedes normal development after birth. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L271-86	5.8	11
181	Role of PDGF-D and PDGFR- β in neuroinflammation in experimental ICH mice model. <i>Experimental Neurology</i> , 2016 , 283, 157-64	5.7	34
180	Platelet-Derived Growth Factor Receptor- β Regulates Vascular Smooth Muscle Cell Phenotypic Transformation and Neuroinflammation After Intracerebral Hemorrhage in Mice. <i>Critical Care Medicine</i> , 2016 , 44, e390-402	1.4	15
179	Recombinant Osteopontin Stabilizes Smooth Muscle Cell Phenotype via Integrin Receptor/Integrin-Linked Kinase/Rac-1 Pathway After Subarachnoid Hemorrhage in Rats. <i>Stroke</i> , 2016 , 47, 1319-27	6.7	43
178	Chronic cerebrovascular dysfunction after traumatic brain injury. <i>Journal of Neuroscience Research</i> , 2016 , 94, 609-22	4.4	70
177	Vitamin D status and metabolism in an ovine pregnancy model: effect of long-term, high-altitude hypoxia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E1062-71	6	6
176	Imatinib attenuates cerebrovascular injury and phenotypic transformation after intracerebral hemorrhage in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 311, R1093-R1104	3.2	8
175	miR-29c induction contributes to downregulation of vascular extracellular matrix proteins by glucocorticoids. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 309, C117-25	5.4	37
174	Long-term effects of maternal undernutrition on offspring carotid artery remodeling: role of miR-29c. <i>Journal of Developmental Origins of Health and Disease</i> , 2015 , 6, 342-9	2.4	12
173	Role of the sympathetic autonomic nervous system in hypoxic remodeling of the fetal cerebral vasculature. <i>Journal of Cardiovascular Pharmacology</i> , 2015 , 65, 308-16	3.1	12
172	Endothelial glucocorticoid receptor promoter methylation according to dexamethasone sensitivity. <i>Journal of Molecular Endocrinology</i> , 2015 , 55, 133-46	4.5	15
171	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	0.9	

170	Hypoxic Remodeling of Fetal Cerebral Arteries Involves The NPY/Y1 Pathway. <i>FASEB Journal</i> , 2015 , 29, 949.6	0.9	
169	Maturation Decreases Fractional Activation of Myosin Light Chain Kinase in Ovine Common Carotid Arteries. <i>FASEB Journal</i> , 2015 , 29, 1052.7	0.9	
168	VEGF receptors mediate hypoxic remodeling of adult ovine carotid arteries. <i>Journal of Applied Physiology</i> , 2014 , 117, 777-87	3.7	12
167	Excess maternal glucocorticoids in response to in utero undernutrition inhibit offspring angiogenesis. <i>Reproductive Sciences</i> , 2014 , 21, 601-11	3	15
166	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, R401-10	3.2	18
165	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, 177-91	3.6	1
164	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	0.9	
163	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	0.9	
162	NPY 1b regulator of hypoxic cerebrovascular remodeling in fetal lambs (853.4). <i>FASEB Journal</i> , 2014 , 28, 853.4	0.9	
161	Role of sympathetic innervation on cerebral artery remodeling during chronic hypoxia in fetal lambs (853.3). <i>FASEB Journal</i> , 2014 , 28, 853.3	0.9	
160	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, R734-43	3.2	7
159	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, C656-65	5.4	17
158	Role of BCL2-associated athanogene 1 in differential sensitivity of human endothelial cells to glucocorticoids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1046-55	9.4	10
157	Maturation and differentiation of the fetal vasculature. <i>Clinical Obstetrics and Gynecology</i> , 2013 , 56, 537-48		15
156	Vasotrophic regulation of age-dependent hypoxic cerebrovascular remodeling. <i>Current Vascular Pharmacology</i> , 2013 , 11, 544-63	3.3	15
155	Sympathetic perivascular nerves contribute to hypoxic transformation of smooth muscle phenotype in ovine cerebral arteries. <i>FASEB Journal</i> , 2013 , 27, 700.4	0.9	
154	The vascular neural network--a new paradigm in stroke pathophysiology. <i>Nature Reviews Neurology</i> , 2012 , 8, 711-6	15	143
153	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, C1090-103	5.4	24

152	Sympathetic perivascular nerves mediate remodeling effects of chronic hypoxia in fetal sheep cerebral arteries. <i>FASEB Journal</i> , 2012 , 26, 685.1	0.9	
151	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, C653-66	5.4	15
150	Epigenetics: an expanding new piece of the stroke puzzle. <i>Translational Stroke Research</i> , 2011 , 2, 243-7	7.8	10
149	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, 253-64	1.9	9
148	Long-term maternal hypoxia: the role of extracellular Ca ²⁺ entry during serotonin-mediated contractility in fetal ovine pulmonary arteries. <i>Reproductive Sciences</i> , 2011 , 18, 948-62	3	25
147	VEGF contributes to hypoxic vascular remodeling of ovine carotid arteries. <i>FASEB Journal</i> , 2011 , 25, 1091.13	0.9	
146	Chronic hypoxia modulates effects of VEGF receptors on structure and function in ovine common carotid arteries. <i>FASEB Journal</i> , 2011 , 25, 1091.16	0.9	
145	VEGF-Induced Age-Dependent Contractile Protein Gradients in Ovine Carotid Arteries. <i>FASEB Journal</i> , 2011 , 25, 1091.15	0.9	
144	Fetal cerebral oxygenation: the homeostatic role of vascular adaptations to hypoxic stress. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 701, 225-32	3.6	14
143	Roles of cytosolic Ca ²⁺ concentration and myofilament Ca ²⁺ sensitization in age-dependent cerebrovascular myogenic tone. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H1034-44	5.2	15
142	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, R1366-74	3.2	38
141	Phenotypic differences between neonatal and adult ovine carotid arteries predict reactivity to chronic hypoxia and VEGF. <i>FASEB Journal</i> , 2010 , 24, 980.8	0.9	
140	Effects of chronic hypoxia on soluble guanylate cyclase activity in fetal and adult ovine cerebral arteries. <i>Journal of Applied Physiology</i> , 2009 , 107, 192-9	3.7	18
139	Maturation and long-term hypoxia alters Ca ²⁺ -induced Ca ²⁺ release in sheep cerebrovascular sympathetic neurons. <i>Journal of Applied Physiology</i> , 2009 , 107, 1223-34	3.7	8
138	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 , 64, 34-44	6.4	3
137	In vivo imaging demonstrates a time-line for new vessel formation in islet transplantation. <i>Pediatric Transplantation</i> , 2009 , 13, 892-7	1.8	31
136	MRI assessment of ischemic liver after intraportal islet transplantation. <i>Transplantation</i> , 2009 , 87, 825-30	3.8	41
135	The role of calcium-activated chloride channels to serotonin-mediated pulmonary arterial tone is influenced by postnatal maturation. <i>FASEB Journal</i> , 2009 , 23, 999.1	0.9	

134	Serotonin-mediated Ca ²⁺ signaling in pulmonary arterial myocytes and the combined influence of maturation and high-altitude exposure. <i>FASEB Journal</i> , 2009 , 23, 619.11	0.9	
133	Expression of low abundance isoforms of regulatory myosin light chain validated by a novel scoring algorithm for protein isoforms correlates with vascular maturation. <i>FASEB Journal</i> , 2009 , 23, 809.2	0.9	
132	Roles of PKC, RhoA and ERK signaling to serotonergic contractility of pulmonary arteries from chronic hypoxic fetal and adult sheep. <i>FASEB Journal</i> , 2009 , 23, 619.5	0.9	
131	Changes in pulmonary arterial smooth muscle structure with maturation and chronic hypoxia in sheep. <i>FASEB Journal</i> , 2009 , 23, 619.9	0.9	
130	Maximal stimulation-induced in situ myosin light chain kinase activity is upregulated in fetal compared with adult ovine carotid arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H2289-98	5.2	15
129	Endothelial cilia are fluid shear sensors that regulate calcium signaling and nitric oxide production through polycystin-1. <i>Circulation</i> , 2008 , 117, 1161-71	16.7	332
128	MYOGENIC TONE IN JUVENILE RAT MCA IS RESISTANT TO BLOCKADE OF CALCIUM INFLUX AND RELEASE OF INTRACELLULAR CALCIUM. <i>FASEB Journal</i> , 2008 , 22, 913.3	0.9	
127	Serotonin mediated Ca ²⁺ events are reduced in pulmonary arterial myocytes of chronic hypoxic fetal sheep. <i>FASEB Journal</i> , 2008 , 22, 1149.1	0.9	
126	Competing Effects Among Protein Kinase G, Chronic Hypoxia, and Postnatal Maturation on 5HT Agonist Affinity in Ovine Carotid Cerebral Arteries. <i>FASEB Journal</i> , 2008 , 22, 913.7	0.9	
125	Role of reverse-mode sodium-calcium exchange to serotonergic contractility in pulmonary arteries of hypoxic sheep. <i>FASEB Journal</i> , 2008 , 22, 1150.1	0.9	
124	5-HT _{2A} receptor mediated contractility of Ovine pulmonary arteries: Effects of maturation and chronic hypoxia. <i>FASEB Journal</i> , 2008 , 22, 1150.4	0.9	
123	Differential regulation of Protein Kinase G activity by chronic hypoxia and maturation in fetal and adult ovine cerebral arteries. <i>FASEB Journal</i> , 2008 , 22, 1151.26	0.9	
122	Amino acid sequence and phosphorylation status of myosin light chain MLC ₂₀ during vascular smooth muscle cell maturation. <i>FASEB Journal</i> , 2008 , 22, 963.6	0.9	
121	IMPACT OF ADVANCING AGE ON CAFFEINE MEDIATED SENSITIZATION OF CALCIUM RELEASE IN SUPERIOR CERVICAL GANGLION CELLS.. <i>FASEB Journal</i> , 2008 , 22, 1126.7	0.9	
120	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	0.9	
119	Acetylcholine receptor-mediated contractility of ovine pulmonary arteries: Changes with maturation and chronic hypoxia. <i>FASEB Journal</i> , 2008 , 22, 1150.6	0.9	
118	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, H548-56	5.2	8
117	Age-dependent changes in Ca ²⁺ homeostasis in peripheral neurones: implications for changes in function. <i>Aging Cell</i> , 2007 , 6, 285-96	9.9	39

116	Postnatal maturation modulates relationships among cytosolic Ca ²⁺ , myosin light chain phosphorylation, and contractile tone in ovine cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H2183-92	5.2	15
115	Postnatal maturation attenuates pressure-evoked myogenic tone and stretch-induced increases in Ca ²⁺ in rat cerebral arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R737-44	3.2	11
114	Chronic hypoxia and the influence of maturation on serotonergic contractility in Ovine pulmonary arteries. <i>FASEB Journal</i> , 2007 , 21, A1339	0.9	
113	Advancing age alters the contribution of release of calcium from internal stores to stimulation-evoked calcium transients. <i>FASEB Journal</i> , 2007 , 21, A1350	0.9	
112	GENERATION OF MYOGENIC TONE REQUIRES RELEASE OF CALCIUM IN RAT CEREBRAL ARTERIES. <i>FASEB Journal</i> , 2007 , 21, A1386	0.9	1
111	Postnatal maturation increases the abundance, but decreases the specific activity, of MLCK in ovine carotids. <i>FASEB Journal</i> , 2007 , 21, A518	0.9	
110	Role of prostanoids in the regulation of cerebral blood flow during normoxia and hypoxia in the fetal sheep. <i>Pediatric Research</i> , 2006 , 60, 524-9	3.2	11
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	3.7	17
108	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, H732-40	5.2	24
107	Dexamethasone alters vascular reactivity by enhancing COX-related vasodilatation in fetal ovine carotids. <i>Neonatology</i> , 2006 , 90, 1-8	4	3
106	Regulation of baseline Ca ²⁺ sensitivity in permeabilized uterine arteries: effect of pregnancy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H413-20	5.2	10
105	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	2.6	2
104	Age-dependent modulation of endothelium-dependent vasodilatation by chronic hypoxia in ovine cranial arteries. <i>Journal of Applied Physiology</i> , 2006 , 100, 225-32	3.7	32
103	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, 1857-66	3.7	20
102	Hypoxic regulation of the fetal cerebral circulation. <i>Journal of Applied Physiology</i> , 2006 , 100, 731-8	3.7	89
101	Basic and translational neonatal neuroscience research: whither goest the future of physician-scientists?. <i>Journal of Perinatology</i> , 2006 , 26 Suppl 2, S23-9	3.1	1
100	MATURATION ALTERS CALCIUM DEPENDENT SENSITIVITY OF PRESSURE DEPENDENT CEREBROVASCULAR MYOGENIC TONE. <i>FASEB Journal</i> , 2006 , 20, A296	0.9	
99	Chronic hypoxia modulates endothelium-dependent vasorelaxation through multiple independent mechanisms in ovine cranial arteries. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 578, 87-92	3.6	11

98	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, 120-7	3.7	23
97	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, 963-71	3.7	18
96	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, R16-24	3.2	46
95	Maturation modulation of endothelium-dependent vasodilatation in ovine cerebral arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 288, R149-57	3.2	27
94	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, H2220-7	5.2	16
93	Ca ²⁺ -activated K ⁺ channel-associated phosphatase and kinase activities during development. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H414-25	5.2	27
92	Use of opioids in asphyxiated term neonates: effects on neuroimaging and clinical outcome. <i>Pediatric Research</i> , 2005 , 57, 873-8	3.2	39
91	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	5.2	23
90	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, H1615-22	5.2	23
89	Expression of several cytoskeletal proteins in ovine cerebral arteries: developmental and functional considerations. <i>Journal of Physiology</i> , 2004 , 558, 623-32	3.9	15
88	Fetal cardiac and cerebrovascular acclimatization responses to high altitude, long-term hypoxia. <i>High Altitude Medicine and Biology</i> , 2003 , 4, 203-13	1.9	29
87	ERK inhibition attenuates 5-HT-induced contractions in fetal and adult ovine carotid arteries. <i>Archives of Physiology and Biochemistry</i> , 2003 , 111, 36-44	2.2	13
86	Effect of cortisol on norepinephrine-mediated contractions in ovine uterine arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H1142-51	5.2	16
85	Maturation alters cyclic nucleotide and relaxation responses to nitric oxide donors in ovine cerebral arteries. <i>Neonatology</i> , 2003 , 83, 123-35	4	10
84	Chronic hypoxia alters the function of NOS nerves in cerebral arteries of near-term fetal and adult sheep. <i>Journal of Applied Physiology</i> , 2003 , 94, 724-32	3.7	21
83	Maturation depresses mouse cerebrovascular tone through endothelium-dependent mechanisms. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 284, R734-41	3.2	21
82	Developmental differences in Ca ²⁺ -activated K ⁺ channel activity in ovine basilar artery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H701-9	5.2	26
81	Role of nitric oxide in hypoxic cerebral vasodilatation in the ovine fetus. <i>Journal of Physiology</i> , 2003 , 549, 625-33	3.9	46

80	Maturation alters the contribution of potassium channels to resting and 5HT-induced tone in small cerebral arteries of the sheep. <i>Developmental Brain Research</i> , 2002 , 133, 81-91		16
79	Cardiovascular responses during stimulation of hindlimb skeletal muscle nerves in anaesthetized rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2002 , 29, 689-95	3	6
78	Mechanisms of cGMP-induced cerebral vasodilatation: contractile agonist and developmental age make a difference. <i>International Congress Series</i> , 2002 , 1235, 379-393		
77	Effects of nitric oxide and GABA interaction within ventrolateral medulla on cardiovascular responses during static muscle contraction. <i>Brain Research</i> , 2001 , 922, 234-42	3.7	23
76	Simultaneous glutamate and gamma-aminobutyric acid release within ventrolateral medulla during skeletal muscle contraction in intact and barodenervated rats. <i>Brain Research</i> , 2001 , 923, 137-46	3.7	15
75	Modulation of pressor response to muscle contraction via monoamines following AMPA-receptor blockade in the ventrolateral medulla. <i>Pharmacological Research</i> , 2001 , 44, 481-9	10.2	5
74	Effects of opioid receptor activation on cardiovascular responses and extracellular monoamines within the rostral ventrolateral medulla during static contraction of skeletal muscle. <i>Neuroscience Research</i> , 2001 , 41, 373-83	2.9	12
73	Maturation depresses cGMP-mediated decreases in $[Ca^{2+}]_i$ and Ca^{2+} sensitivity in ovine cranial arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H1019-28	5.2	30
72	Pregnancy enhances endothelium-dependent relaxation of ovine uterine artery: role of NO and intracellular Ca^{2+} . <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H183-90	5.2	29
71	Developmental changes in ryanodine- and IP(3)-sensitive Ca^{2+} pools in ovine basilar artery. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 281, C1785-96	5.4	28
70	Effects of maturation and acute hypoxia on receptor-IP(3) coupling in ovine common carotid arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001 , 280, R410-7	3.2	12
69	Effects of maturation on mechanisms of cGMP-induced cerebral vasodilatation. <i>Developmental Neuroscience</i> , 2001 , 23, 224-33	2.2	3
68	Animal models of neonatal stroke. <i>Current Opinion in Pediatrics</i> , 2001 , 13, 506-16	3.2	59
67	Ca^{2+} 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		16
66	Maturation attenuates the effects of cGMP on contraction, $[Ca^{2+}]_i$ and Ca^{2+} sensitivity in ovine basilar arteries. <i>General Pharmacology</i> , 2000 , 35, 107-18		12
65	Acute hypoxia modulates 5-HT receptor density and agonist affinity in fetal and adult ovine carotid arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H502-10	5.2	17
64	Maturation differences in soluble guanylate cyclase activity in ovine carotid and cerebral arteries. <i>Pediatric Research</i> , 2000 , 47, 369-75	3.2	15
63	Ca^{2+} sensitivity of fetal coronary arteries exposed to long-term, high-altitude hypoxia. <i>Journal of the Society for Gynecologic Investigation</i> , 2000 , 7, 161-6		3

62	Effects of maturation on adrenergic neurotransmission in ovine cerebral arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999 , 277, R931-7	3.2	14
61	Endothelial nitric oxide release in isolated perfused ovine uterine arteries: effect of pregnancy. <i>European Journal of Pharmacology</i> , 1999 , 367, 223-30	5.3	34
60	Core and penumbral nitric oxide synthase activity during cerebral ischemia and reperfusion in the rat pup. <i>Pediatric Research</i> , 1999 , 46, 390-400	3.2	37
59	Effect of chronic hypoxia on alpha-1 adrenoceptor-mediated inositol 1,4,5-trisphosphate signaling in ovine uterine artery. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1999 , 288, 977-83	4.7	19
58	High altitude, hypoxic-induced modulation of noradrenergic-mediated responses in fetal and adult cerebral arteries. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1998 , 119, 683-94	2.6	31
57	Maturation modification of hypoxic relaxation in ovine carotid and cerebral arteries: role of endothelium. <i>Neonatology</i> , 1998 , 74, 222-32	4	8
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