Lubo Zhang

List of Publications by Year
in descending order

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258	7,837	53660	85405
papers	citations	45 h-index	71 g-index

259	259	259	6773
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Possible mechanisms underlying pregnancy-induced changes in uterine artery endothelial function. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R245-R258.	0.9	170
2	Brain-immune interactions in perinatal hypoxic-ischemic brain injury. Progress in Neurobiology, 2017, 159, 50-68.	2.8	168
3	Gender Differences in Cardioprotection against Ischemia/Reperfusion Injury in Adult Rat Hearts: Focus on Akt and Protein Kinase C Signaling. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 1125-1135.	1.3	156
4	Chronic Prenatal Hypoxia Induces Epigenetic Programming of PKCÎµ Gene Repression in Rat Hearts. Circulation Research, 2010, 107, 365-373.	2.0	152
5	Effect of maternal chronic hypoxic exposure during gestation on apoptosis in fetal rat heart. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H983-H990.	1.5	144
6	Effect of Fetal Hypoxia on Heart Susceptibility to Ischemia and Reperfusion Injury in the Adult Rat. Journal of the Society for Gynecologic Investigation, 2003, 10, 265-274.	1.9	142
7	Effect of fetal hypoxia on heart susceptibility to ischemia and reperfusion injury in the adult rat. Journal of the Society for Gynecologic Investigation, 2003, 10, 265-274.	1.9	138
8	Role of the hypothalamicâ€“pituitaryâ€“adrenal axis in developmental programming of health and disease. Frontiers in Neuroendocrinology, 2013, 34, 27-46.	2.5	131
9	Neural stem cell therapies and hypoxic-ischemic brain injury. Progress in Neurobiology, 2019, 173, 1-17.	2.8	129
10	Gestational Hypoxia and Developmental Plasticity. Physiological Reviews, 2018, 98, 1241-1334.	13.1	123
11	Prenatal Hypoxia Causes a Sex-Dependent Increase in Heart Susceptibility to Ischemia and Reperfusion Injury in Adult Male Offspring: Role of Protein Kinase Cïµ. Journal of Pharmacology and Experimental Therapeutics, 2009, 330, 624-632.	1.3	118
12	Prenatal Gender-Related Nicotine Exposure Increases Blood Pressure Response to Angiotensin II in Adult Offspring. Hypertension, 2008, 51, 1239-1247.	1.3	115
13	Prenatal Hypoxia and Cardiac Programming. Journal of the Society for Gynecologic Investigation, 2005, 12, 2-13.	1.9	113
14	Angiotensin II receptors and drug discovery in cardiovascular disease. Drug Discovery Today, 2011, 16, 22-34.	3.2	109
15	Inhibition of microRNA-210 provides neuroprotection in hypoxicâ€“ischemic brain injury in neonatal rats. Neurobiology of Disease, 2016, 89, 202-212.	2.1	104
16	Fetal stress and programming of hypoxic/ischemic-sensitive phenotype in the neonatal brain: Mechanisms and possible interventions. Progress in Neurobiology, 2012, 98, 145-165.	2.8	103
17	Inhibition of DNA methylation reverses norepinephrine-induced cardiac hypertrophy in rats. Cardiovascular Research, 2014, 101, 373-382.	1.8	102
18	Steroid Hormones and Uterine Vascular Adaptation to Pregnancy. Reproductive Sciences, 2008, 15, 336-348.	1.1	99

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19	MiRNA-210 induces microglial activation and regulates microglia-mediated neuroinflammation in neonatal hypoxic-ischemic encephalopathy. Cellular and Molecular Immunology, 2020, 17, 976-991.	4.8	95
20	Inhibition of microRNA-210 suppresses pro-inflammatory response and reduces acute brain injury of ischemic stroke in mice. Experimental Neurology, 2018, 300, 41-50.	2.0	94
21	Function and regulation of large conductance Ca2+-activated K+ channel in vascular smooth muscle cells. Drug Discovery Today, 2012, 17, 974-987.	3.2	91
22	Epigenetic mechanisms in developmental programming of adult disease. Drug Discovery Today, 2011, 16, 1007-1018.	3.2	90
23	Binucleation of cardiomyocytes: the transition from a proliferative to a terminally differentiated state. Drug Discovery Today, 2014, 19, 602-609.	3.2	90
24	Prenatal Nicotine Exposure Increases Heart Susceptibility to Ischemia/Reperfusion Injury in Adult Offspring. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 331-341.	1.3	88
25	Gestational Hypoxia Induces Preeclampsia-Like Symptoms via Heightened Endothelin-1 Signaling in Pregnant Rats. Hypertension, 2013, 62, 599-607.	1.3	85
26	Epigenetic mechanisms in heart development and disease. Drug Discovery Today, 2015, 20, 799-811.	3.2	82
27	Pregnancy Upregulates Large-Conductance Ca ²⁺ -Activated K ⁺ Channel Activity and Attenuates Myogenic Tone in Uterine Arteries. Hypertension, 2011, 58, 1132-1139.	1.3	77
28	Hypoxia-derived oxidative stress mediates epigenetic repression of PKCÉ› gene in foetal rat hearts. Cardiovascular Research, 2012, 93, 302-310.	1.8	77
29	Effect of prenatal hypoxia on heat stress-mediated cardioprotection in adult rat heart. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1712-H1719.	1.5	76
30	Antenatal nicotine induces heightened oxidative stress and vascular dysfunction in rat offspring. British Journal of Pharmacology, 2011, 164, 1400-1409.	2.7	70
31	Perinatal Nicotine Exposure Increases Vulnerability of Hypoxicâ€“Ischemic Brain Injury in Neonatal Rats. Stroke, 2012, 43, 2483-2490.	1.0	66
32	Foetal hypoxia increases cardiac AT2R expression and subsequent vulnerability to adult ischaemic injury. Cardiovascular Research, 2011, 89, 300-308.	1.8	65
33	Fetal hypoxia increases vulnerability of hypoxicâ€“ischemic brain injury in neonatal rats: Role of glucocorticoid receptors. Neurobiology of Disease, 2014, 65, 172-179.	2.1	65
34	Fetal and Neonatal Nicotine Exposure Differentially Regulates Vascular Contractility in Adult Male and Female Offspring. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 654-661.	1.3	64
35	Angiotensin-converting enzymes and drug discovery in cardiovascular diseases. Drug Discovery Today, 2010, 15, 332-341.	3.2	63
36	Norepinephrine causes epigenetic repression of PKCÎµ gene in rodent hearts by activating Nox1â€dependent reactive oxygen species production. FASEB Journal, 2012, 26, 2753-2763.	0.2	63

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37	MicroRNA-210 Suppresses Junction Proteins and Disrupts Blood-Brain Barrier Integrity in Neonatal Rat Hypoxic-Ischemic Brain Injury. International Journal of Molecular Sciences, 2017, 18, 1356.	1.8	60
38	Maternal hypoxia alters matrix metalloproteinase expression patterns and causes cardiac remodeling in fetal and neonatal rats. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H2113-H2121.	1.5	55
39	Chronic Hypoxia During Gestation Causes Epigenetic Repression of the Estrogen Receptor-Î± Gene in Ovine Uterine Arteries via Heightened Promoter Methylation. Hypertension, 2012, 60, 697-704.	1.3	55
40	Foetal nicotine exposure causes PKCÎµ gene repression by promoter methylation in rat hearts. Cardiovascular Research, 2011, 89, 89-97.	1.8	54
41	Upregulation of eNOS in pregnant ovine uterine arteries by chronic hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H812-H820.	1.5	52
42	Maternal Cocaine Administration Causes an Epigenetic Modification of Protein Kinase CÏµ Gene Expression in Fetal Rat Heart. Molecular Pharmacology, 2007, 71, 1319-1328.	1.0	50
43	Pregnancy attenuates uterine artery pressure-dependent vascular tone: role of PKC/ERK pathway. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H2337-H2343.	1.5	49
44	Mechanisms and therapeutic potential of microRNAs in hypertension. Drug Discovery Today, 2015, 20, 1188-1204.	3.2	49
45	Direct Effects of Nicotine on Contractility of the Uterine Artery in Pregnancy. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 180-185.	1.3	48
46	Epigenetic programming of hypoxicâ€“ischemic encephalopathy in response to fetal hypoxia. Progress in Neurobiology, 2015, 124, 28-48.	2.8	47
47	Direct effect of cocaine on epigenetic regulation of PKCÉ› gene repression in the fetal rat heart. Journal of Molecular and Cellular Cardiology, 2009, 47, 504-511.	0.9	46
48	Chronic Hypoxia Suppresses Pregnancy-Induced Upregulation of Large-Conductance Ca ²⁺ -Activated K ⁺ Channel Activity in Uterine Arteries. Hypertension, 2012, 60, 214-222.	1.3	46
49	Differential expression of microRNAs in ischemic heart disease. Drug Discovery Today, 2015, 20, 223-235.	3.2	46
50	ERK MAP kinases regulate smooth muscle contraction in ovine uterine artery: effect of pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H292-H300.	1.5	45
51	Mitochondrial MiRNA in Cardiovascular Function and Disease. Cells, 2019, 8, 1475.	1.8	45
52	Fetal Programming of Cardiac Function and Disease. Reproductive Sciences, 2007, 14, 209-216.	1.1	44
53	Dexamethasone Treatment of Newborn Rats Decreases Cardiomyocyte Endowment in the Developing Heart through Epigenetic Modifications. PLoS ONE, 2015, 10, e0125033.	1.1	43
54	Regulation of Ca²⁺sensitization by PKC and rho proteins in ovine cerebral arteries: effects of artery size and age. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H930-H939.	1.5	41

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55	Cocaine and apoptosis in myocardial cells. , 1999, 257, 208-216.		41
56	MicroRNA-210 Controls Mitochondrial Metabolism and Protects Heart Function in Myocardial Infarction. Circulation, 2022, 145, 1140-1153.	1.6	41
57	Epigenetic Down-Regulation of Sirt 1 via DNA Methylation and Oxidative Stress Signaling Contributes to the Gestational Diabetes Mellitus-Induced Fetal Programming of Heart Ischemia-Sensitive Phenotype in Late Life. International Journal of Biological Sciences, 2019, 15, 1240-1251.	2.6	39
58	Endothelial nitric oxide release in isolated perfused ovine uterine arteries: effect of pregnancy. European Journal of Pharmacology, 1999, 367, 223-230.	1.7	38
59	Cocaine Induces Apoptosis in Fetal Rat Myocardial Cells through the p38 Mitogen-Activated Protein Kinase and Mitochondrial/Cytochrome c Pathways. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 112-119.	1.3	38
60	Promoter methylation represses AT2R gene and increases brain hypoxicâ€“ischemic injury in neonatal rats. Neurobiology of Disease, 2013, 60, 32-38.	2.1	38
61	Perinatal Nicotine Exposure Increases Angiotensin II Receptor-Mediated Vascular Contractility in Adult Offspring. PLoS ONE, 2014, 9, e108161.	1.1	38
62	Prenatal cocaine exposure increases apoptosis of neonatal rat heart and heart susceptibility to ischemia-reperfusion injury in 1-month-old rat. British Journal of Pharmacology, 2005, 144, 900-907.	2.7	37
63	Prenatal cocaine exposure increases heart susceptibility to ischaemia-reperfusion injury in adult male but not female rats. Journal of Physiology, 2005, 565, 149-158.	1.3	37
64	Fetal Exposure to Cocaine Causes Programming of Prkce Gene Repression in the Left Ventricle of Adult Rat Offspring1. Biology of Reproduction, 2009, 80, 440-448.	1.2	37
65	Chronic Hypoxia Inhibits Sex Steroid Hormone-Mediated Attenuation of Ovine Uterine Arterial Myogenic Tone in Pregnancy. Hypertension, 2010, 56, 750-757.	1.3	37
66	Glucocorticoids Protect Neonatal Rat Brain in Model of Hypoxic-Ischemic Encephalopathy (HIE). International Journal of Molecular Sciences, 2017, 18, 17.	1.8	36
67	MicroRNAs in brain development and cerebrovascular pathophysiology. American Journal of Physiology - Cell Physiology, 2019, 317, C3-C19.	2.1	36
68	Pregnancy-Specific Enhancement of Agonist-Stimulated ERK-1/2 Signaling in Uterine Artery Endothelial Cells Increases Ca2+ Sensitivity of Endothelial Nitric Oxide Synthase as well as Cytosolic Phospholipase A2*. Endocrinology, 2001, 142, 3014-3026.	1.4	35
69	Estrogen Normalizes Perinatal Nicotineâ€“Induced Hypertensive Responses in Adult Female Rat Offspring. Hypertension, 2013, 61, 1246-1254.	1.3	35
70	Chronic Hypoxia during Gestation Enhances Uterine Arterial Myogenic Tone via Heightened Oxidative Stress. PLoS ONE, 2013, 8, e73731.	1.1	35
71	Antenatal Antioxidant Prevents Nicotine-Mediated Hypertensive Response in Rat Adult Offspring1. Biology of Reproduction, 2015, 93, 66.	1.2	35
72	Cerebral artery sarcoplasmic reticulum Ca2+ stores and contractility: changes with development. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R860-R873.	0.9	34

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73	Upregulation of Bax and Bcl-2 following prenatal cocaine exposure induces apoptosis in fetal rat brain. International Journal of Medical Sciences, 2008, 5, 295-302.	1.1	34
74	Direct Chronic Effect of Steroid Hormones in Attenuating Uterine Arterial Myogenic Tone. Hypertension, 2009, 54, 352-358.	1.3	34
75	Epigenetic Upregulation of Large-Conductance Ca 2+ -Activated K + Channel Expression in Uterine Vascular Adaptation to Pregnancy. Hypertension, 2014, 64, 610-618.	1.3	34
76	MicroRNA-210 Targets Ten-Eleven Translocation Methylcytosine Dioxygenase 1 and Suppresses Pregnancy-Mediated Adaptation of Large Conductance Ca ²⁺ -Activated K ⁺ Channel Expression and Function in Ovine Uterine Arteries. Hypertension, 2017, 70, 601-612.	1.3	34
77	Maternal Cocaine Administration During Pregnancy Induces Apoptosis in Fetal Rat Heart. Journal of Cardiovascular Pharmacology, 2001, 37, 639-648.	0.8	33
78	Chronic hypoxia increases pressure-dependent myogenic tone of the uterine artery in pregnant sheep: role of ERK/PKC pathway. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1840-H1849.	1.5	33
79	Endothelin-1 Promotes Cardiomyocyte Terminal Differentiation in the Developing Heart via Heightened DNA Methylation. International Journal of Medical Sciences, 2014, 11, 373-380.	1.1	33
80	Hypoxia and Mitochondrial Dysfunction in Pregnancy Complications. Antioxidants, 2021, 10, 405.	2.2	33
81	Dexamethasone Protects Neonatal Hypoxic-Ischemic Brain Injury via L-PGDS-Dependent PGD2-DP1-pERK Signaling Pathway. PLoS ONE, 2014, 9, e114470.	1.1	33
82	Pregnancy enhances endothelium-dependent relaxation of ovine uterine artery: role of NO and intracellular Ca²⁺. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H183-H190.	1.5	32
83	Hypoxia inhibits cardiomyocyte proliferation in fetal rat hearts via upregulating TIMP-4. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R613-R620.	0.9	32
84	Antenatal hypoxia induces epigenetic repression of glucocorticoid receptor and promotes ischemic-sensitive phenotype in the developing heart. Journal of Molecular and Cellular Cardiology, 2016, 91, 160-171.	0.9	32
85	Maturation Alters the Contractile Role of Calcium in Ovine Basilar Arteries. Pediatric Research, 1998, 44, 154-160.	1.1	32
86	The effect of fetal and neonatal nicotine exposure on renal development of AT1 and AT2 receptors. Reproductive Toxicology, 2009, 27, 149-154.	1.3	31
87	Development of fetal brain reninâ€“angiotensin system and hypertension programmed in fetal origins. Progress in Neurobiology, 2009, 87, 252-263.	2.8	31
88	Glucocorticoid Modulates Angiotensin II Receptor Expression Patterns and Protects the Heart from Ischemia and Reperfusion Injury. PLoS ONE, 2014, 9, e106827.	1.1	31
89	Prenatal Exposure to Hypoxia Induced Beclin 1 Signaling-Mediated Renal Autophagy and Altered Renal Development in Rat Fetuses. Reproductive Sciences, 2015, 22, 156-164.	1.1	31
90	Estrogen Regulates Angiotensin II Receptor Expression Patterns and Protects the Heart from Ischemic Injury in Female Rats1. Biology of Reproduction, 2015, 93, 6.	1.2	31

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91	Pregnancy Reprograms Large-Conductance Ca ²⁺ -Activated K ⁺ Channel in Uterine Arteries. Hypertension, 2017, 69, 1181-1191.	1.3	31
92	Î±1-Adrenoceptor-mediated phosphorylation of MYPT-1 and CPI-17 in the uterine artery: role of ERK/PKC. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2828-H2835.	1.5	30
93	Short- and long-term adverse effects of cocaine abuse during pregnancy on the heart development. Therapeutic Advances in Cardiovascular Disease, 2009, 3, 7-16.	1.0	30
94	Prenatal Cocaine Exposure Differentially Causes Vascular Dysfunction in Adult Offspring. Hypertension, 2009, 53, 937-943.	1.3	30
95	Chronic Hypoxia Inhibits Pregnancy-Induced Upregulation of SK _{Ca} Channel Expression and Function in Uterine Arteries. Hypertension, 2013, 62, 367-374.	1.3	30
96	Effects of Chronic Hypoxia on Maternal Vasodilation and Vascular Reactivity in Guinea Pig and Ovine Pregnancy. High Altitude Medicine and Biology, 2003, 4, 157-169.	0.5	29
97	Prenatal cocaine exposure abolished ischemic preconditioning-induced protection in adult male rat hearts: role of PKCÎµ. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1566-H1576.	1.5	29
98	Fetal Hypoxia Results in Programming of Aberrant Angiotensin II Receptor Expression Patterns and Kidney Development. International Journal of Medical Sciences, 2013, 10, 532-538.	1.1	29
99	Dexamethasone Induces Cardiomyocyte Terminal Differentiation via Epigenetic Repression of Cyclin D2 Gene. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 190-198.	1.3	29
100	Inhibition of miRNA-210 reverses nicotine-induced brain hypoxic-ischemic injury in neonatal rats. International Journal of Biological Sciences, 2017, 13, 76-84.	2.6	29
101	Fetal and adult cerebral artery KATP and KCa channel responses to long-term hypoxia. Journal of Applied Physiology, 2002, 92, 1692-1701.	1.2	27
102	Effect of long-term high-altitude hypoxia on fetal pulmonary vascular contractility. Journal of Applied Physiology, 2008, 104, 1786-1792.	1.2	27
103	Newborn Hypoxia/Anoxia Inhibits Cardiomyocyte Proliferation and Decreases Cardiomyocyte Endowment in the Developing Heart: Role of Endothelin-1. PLoS ONE, 2015, 10, e0116600.	1.1	27
104	Gestational Hypoxia Up-regulates Protein Kinase C and Inhibits Calcium-Activated Potassium Channels in Ovine Uterine Arteries. International Journal of Medical Sciences, 2014, 11, 886-892.	1.1	26
105	Clinical value of non-coding RNAs in cardiovascular, pulmonary, and muscle diseases. American Journal of Physiology - Cell Physiology, 2020, 318, C1-C28.	2.1	26
106	Cerebral artery K_{ATP}- and K_{Ca}-channel activity and contractility: changes with development. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R2004-R2014.	0.9	25
107	ERK-mediated uterine artery contraction: role of thick and thin filament regulatory pathways. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1615-H1622.	1.5	25
108	Chronic hypoxia upregulates DNA methyltransferase and represses large conductance Ca2+-activated K+ channel function in ovine uterine arteriesâ€. Biology of Reproduction, 2017, 96, 424-434.	1.2	25

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109	Role of Endothelin in Uteroplacental Circulation and Fetal Vascular Function. Current Vascular Pharmacology, 2013, 11, 594-605.	0.8	25
110	Effects of chronic hypoxia on Ca2+ mobilization and Ca2+ sensitivity of myofilaments in uterine arteries. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H132-H138.	1.5	24
111	Chronic Hypoxia and Developmental Regulation of Cytochrome C Expression in Rats. Journal of the Society for Gynecologic Investigation, 2000, 7, 279-283.	1.9	24
112	Gestational Hypoxia Increases Reactive Oxygen Species and Inhibits Steroid Hormoneâ€“Mediated Upregulation of Ca ²⁺ -Activated K ⁺ Channel Function in Uterine Arteries. Hypertension, 2014, 64, 415-422.	1.3	24
113	Prenatal high sucrose intake affected learning and memory of aged rat offspring with abnormal oxidative stress and NMDARs/Wnt signaling in the hippocampus. Brain Research, 2017, 1669, 114-121.	1.1	24
114	MicroRNAs in Uteroplacental Vascular Dysfunction. Cells, 2019, 8, 1344.	1.8	24
115	MicroRNA-210 Downregulates ISCU and Induces Mitochondrial Dysfunction and Neuronal Death in Neonatal Hypoxic-Ischemic Brain Injury. Molecular Neurobiology, 2019, 56, 5608-5625.	1.9	24
116	Cardiac ECM: Its Epigenetic Regulation and Role in Heart Development and Repair. International Journal of Molecular Sciences, 2020, 21, 8610.	1.8	24
117	Cocaine Induces Apoptosis in Human Coronary Artery Endothelial Cells. Journal of Cardiovascular Pharmacology, 2000, 35, 572-580.	0.8	24
118	Protective Effect of Antenatal Antioxidant on Nicotine-Induced Heart Ischemia-Sensitive Phenotype in Rat Offspring. PLoS ONE, 2016, 11, e0150557.	1.1	24
119	Long-term high-altitude hypoxia increases plasma nitrate levels in pregnant ewes and their fetuses. American Journal of Obstetrics and Gynecology, 1998, 179, 1594-1598.	0.7	23
120	Developmental nicotine exposure results in programming of alveolar simplification and interstitial pulmonary fibrosis in adult male rats. Reproductive Toxicology, 2012, 34, 370-377.	1.3	23
121	Promoter methylation of Egr-1 site contributes to fetal hypoxia-mediated PKCÎµ gene repression in the developing heart. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R683-R689.	0.9	23
122	Gestational hypoxia and epigenetic programming of brain development disorders. Drug Discovery Today, 2014, 19, 1883-1896.	3.2	23
123	Longâ€term high altitude hypoxia during gestation suppresses large conductance Ca²⁺â€activated K⁺ channel function in uterine arteries: a causal role for microRNAâ€210. Journal of Physiology, 2018, 596, 5891-5906.	1.3	23
124	MicroRNA-210 suppresses glucocorticoid receptor expression in response to hypoxia in fetal rat cardiomyocytes. Oncotarget, 2017, 8, 80249-80264.	0.8	23
125	Hypoxia Represses ER-Î± Expression and Inhibits Estrogen-Induced Regulation of Ca ²⁺ -Activated K ⁺ Channel Activity and Myogenic Tone in Ovine Uterine Arteries. Hypertension, 2015, 66, 44-51.	1.3	22
126	Prenatal hypoxia-induced epigenomic and transcriptomic reprogramming in rat fetal and adult offspring hearts. Scientific Data, 2019, 6, 238.	2.4	22

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127	Extracellular Signalâ€Regulated Kinases and Contractile Responses in Ovine Adult and Fetal Cerebral Arteries. Journal of Physiology, 2003, 551, 691-703.	1.3	21
128	Î±₁-Adrenergic receptor subtype function in fetal and adult cerebral arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1797-H1806.	1.5	21
129	Inhibition of DNA Methylation in the Developing Rat Brain Disrupts Sexually Dimorphic Neurobehavioral Phenotypes in Adulthood. Molecular Neurobiology, 2017, 54, 3988-3999.	1.9	21
130	Pregnancy Increases Ca ²⁺ Sparks/Spontaneous Transient Outward Currents and Reduces Uterine Arterial Myogenic Tone. Hypertension, 2019, 73, 691-702.	1.3	21
131	PKC-induced ERK1/2 interactions and downstream effectors in ovine cerebral arteries. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R164-R171.	0.9	20
132	Direct effect of chronic hypoxia in suppressing large conductance Ca²⁺â€activated K⁺ channel activity in ovine uterine arteries via increasing oxidative stress. Journal of Physiology, 2016, 594, 343-356.	1.3	20
133	Long-term exposure to high altitude hypoxia during pregnancy increases fetal heart susceptibility to ischemia/reperfusion injury and cardiac dysfunction. International Journal of Cardiology, 2019, 274, 7-15.	0.8	20
134	Dual role of PKC in modulating pharmacomechanical coupling in fetal and adult cerebral arteries. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R1419-R1429.	0.9	19
135	Calcium Homeostasis and Contraction of the Uterine Artery: Effect of Pregnancy and Chronic Hypoxia1. Biology of Reproduction, 2004, 70, 1171-1177.	1.2	19
136	Maternal hypoxia increases the activity of MMPs and decreases the expression of TIMPs in the brain of neonatal rats. Developmental Neurobiology, 2010, 70, 182-194.	1.5	19
137	Role of KATP and L-type Ca2+ channel activities in regulation of ovine uterine vascular contractility: effect of pregnancy and chronic hypoxia. American Journal of Obstetrics and Gynecology, 2010, 203, 596.e6-596.e12.	0.7	19
138	Fetal hypoxia and programming of matrix metalloproteinases. Drug Discovery Today, 2012, 17, 124-134.	3.2	19
139	Endothelial glucocorticoid receptor promoter methylation according to dexamethasone sensitivity. Journal of Molecular Endocrinology, 2015, 55, 133-146.	1.1	19
140	Effect of Oxidative Stress on the Estrogen-NOS-NO-K_{Ca} Channel Pathway in Uteroplacental Dysfunction: Its Implication in Pregnancy Complications. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-19.	1.9	19
141	A novel mechanism of angiotensin II-regulated placental vascular tone in the development of hypertension in preeclampsia. Oncotarget, 2017, 8, 30734-30741.	0.8	19
142	Role of DNA methylation in perinatal nicotine-induced development of heart ischemia-sensitive phenotype in rat offspring. Oncotarget, 2017, 8, 76865-76880.	0.8	19
143	Potassium Channels and Uterine Vascular Adaptation to Pregnancy and Chronic Hypoxia. Current Vascular Pharmacology, 2013, 11, 737-747.	0.8	19
144	Suppression of myometrial contractile responses to oxytocin after different durations of chronic hypoxia in the near-term pregnant rat. American Journal of Obstetrics and Gynecology, 1997, 177, 639-644.	0.7	18

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145	Cortisol-mediated potentiation of uterine artery contractility: effect of pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H238-H246.	1.5	18
146	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
147	Foetal hypoxia impacts methylome and transcriptome in developmental programming of heart disease. Cardiovascular Research, 2019, 115, 1306-1319.	1.8	18
148	Adaptation of uterine artery thick- and thin-filament regulatory pathways to pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H142-H148.	1.5	17
149	Prenatal water deprivation alters brain angiotensin system and dipsogenic changes in the offspring. Brain Research, 2011, 1382, 128-136.	1.1	17
150	Antenatal Hypoxia and Programming of Glucocorticoid Receptor Expression in the Adult Rat Heart. Frontiers in Physiology, 2019, 10, 323.	1.3	17
151	Corticosteroids and perinatal hypoxic-ischemic brain injury. Drug Discovery Today, 2018, 23, 1718-1732.	3.2	16
152	Repression of the Glucocorticoid Receptor Aggravates Acute Ischemic Brain Injuries in Adult Mice. International Journal of Molecular Sciences, 2018, 19, 2428.	1.8	16
153	Uteroplacental Circulation in Normal Pregnancy and Preeclampsia: Functional Adaptation and Maladaptation. International Journal of Molecular Sciences, 2021, 22, 8622.	1.8	16
154	MicroRNA-210 downregulates TET2 and contributes to inflammatory response in neonatal hypoxic-ischemic brain injury. Journal of Neuroinflammation, 2021, 18, 6.	3.1	16
155	Perinatal nicotine exposure alters AT1 and AT2 receptor expression pattern in the brain of fetal and offspring rats. Brain Research, 2008, 1243, 47-52.	1.1	15
156	Pregnancy Downregulates Actin Polymerization and Pressure-Dependent Myogenic Tone in Ovine Uterine Arteries. Hypertension, 2010, 56, 1009-1015.	1.3	15
157	C-type natriuretic peptide functions as an innate neuroprotectant in neonatal hypoxic-ischemic brain injury in mouse via natriuretic peptide receptor 2. Experimental Neurology, 2018, 304, 58-66.	2.0	15
158	Reprogramming of miR-181a/DNA methylation patterns contribute to the maternal nicotine exposure-induced fetal programming of cardiac ischemia-sensitive phenotype in postnatal life. Theranostics, 2020, 10, 11820-11836.	4.6	15
159	Hypoxia and the integrated stress response promote pulmonary hypertension and preeclampsia: Implications in drug development. Drug Discovery Today, 2021, 26, 2754-2773.	3.2	15
160	Chronic Losartan Treatment Up-Regulates AT1R and Increases the Heart Vulnerability to Acute Onset of Ischemia and Reperfusion Injury in Male Rats. PLoS ONE, 2015, 10, e0132712.	1.1	14
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