

# Lubo Zhang

## List of Publications by Year in descending order

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258  
papers

7,837  
citations

53794

45  
h-index

85541

71  
g-index

259  
all docs

259  
docs citations

259  
times ranked

6773  
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible mechanisms underlying pregnancy-induced changes in uterine artery endothelial function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 284, R245-R258.	1.8	170
2	Brain-immune interactions in perinatal hypoxic-ischemic brain injury. <i>Progress in Neurobiology</i> , 2017, 159, 50-68.	5.7	168
3	Gender Differences in Cardioprotection against Ischemia/Reperfusion Injury in Adult Rat Hearts: Focus on Akt and Protein Kinase C Signaling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 1125-1135.	2.5	156
4	Chronic Prenatal Hypoxia Induces Epigenetic Programming of PKC $\mu$ Gene Repression in Rat Hearts. <i>Circulation Research</i> , 2010, 107, 365-373.	4.5	152
5	Effect of maternal chronic hypoxic exposure during gestation on apoptosis in fetal rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H983-H990.	3.2	144
6	Effect of Fetal Hypoxia on Heart Susceptibility to Ischemia and Reperfusion Injury in the Adult Rat. <i>Journal of the Society for Gynecologic Investigation</i> , 2003, 10, 265-274.	1.7	142
7	Effect of fetal hypoxia on heart susceptibility to ischemia and reperfusion injury in the adult rat. <i>Journal of the Society for Gynecologic Investigation</i> , 2003, 10, 265-274.	1.7	138
8	Role of the hypothalamicâ€“pituitaryâ€“adrenal axis in developmental programming of health and disease. <i>Frontiers in Neuroendocrinology</i> , 2013, 34, 27-46.	5.2	131
9	Neural stem cell therapies and hypoxic-ischemic brain injury. <i>Progress in Neurobiology</i> , 2019, 173, 1-17.	5.7	129
10	Gestational Hypoxia and Developmental Plasticity. <i>Physiological Reviews</i> , 2018, 98, 1241-1334.	28.8	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 C $\mu$ . <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 330, 624-632.	2.5	118
12	Prenatal Gender-Related Nicotine Exposure Increases Blood Pressure Response to Angiotensin II in Adult Offspring. <i>Hypertension</i> , 2008, 51, 1239-1247.	2.7	115
13	Prenatal Hypoxia and Cardiac Programming. <i>Journal of the Society for Gynecologic Investigation</i> , 2005, 12, 2-13.	1.7	113
14	Angiotensin II receptors and drug discovery in cardiovascular disease. <i>Drug Discovery Today</i> , 2011, 16, 22-34.	6.4	109
15	Inhibition of microRNA-210 provides neuroprotection in hypoxicâ€“ischemic brain injury in neonatal rats. <i>Neurobiology of Disease</i> , 2016, 89, 202-212.	4.4	104
16	Fetal stress and programming of hypoxic/ischemic-sensitive phenotype in the neonatal brain: Mechanisms and possible interventions. <i>Progress in Neurobiology</i> , 2012, 98, 145-165.	5.7	103
17	Inhibition of DNA methylation reverses norepinephrine-induced cardiac hypertrophy in rats. <i>Cardiovascular Research</i> , 2014, 101, 373-382.	3.8	102
18	Steroid Hormones and Uterine Vascular Adaptation to Pregnancy. <i>Reproductive Sciences</i> , 2008, 15, 336-348.	2.5	99

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19	MiRNA-210 induces microglial activation and regulates microglia-mediated neuroinflammation in neonatal hypoxic-ischemic encephalopathy. <i>Cellular and Molecular Immunology</i> , 2020, 17, 976-991.	10.5	95
20	Inhibition of microRNA-210 suppresses pro-inflammatory response and reduces acute brain injury of ischemic stroke in mice. <i>Experimental Neurology</i> , 2018, 300, 41-50.	4.1	94
21	Function and regulation of large conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel in vascular smooth muscle cells. <i>Drug Discovery Today</i> , 2012, 17, 974-987.	6.4	91
22	Epigenetic mechanisms in developmental programming of adult disease. <i>Drug Discovery Today</i> , 2011, 16, 1007-1018.	6.4	90
23	Binucleation of cardiomyocytes: the transition from a proliferative to a terminally differentiated state. <i>Drug Discovery Today</i> , 2014, 19, 602-609.	6.4	90
24	Prenatal Nicotine Exposure Increases Heart Susceptibility to Ischemia/Reperfusion Injury in Adult Offspring. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 331-341.	2.5	88
25	Gestational Hypoxia Induces Preeclampsia-Like Symptoms via Heightened Endothelin-1 Signaling in Pregnant Rats. <i>Hypertension</i> , 2013, 62, 599-607.	2.7	85
26	Epigenetic mechanisms in heart development and disease. <i>Drug Discovery Today</i> , 2015, 20, 799-811.	6.4	82
27	Pregnancy Upregulates Large-Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel Activity and Attenuates Myogenic Tone in Uterine Arteries. <i>Hypertension</i> , 2011, 58, 1132-1139.	2.7	77
28	Hypoxia-derived oxidative stress mediates epigenetic repression of PKC $\epsilon$ gene in foetal rat hearts. <i>Cardiovascular Research</i> , 2012, 93, 302-310.	3.8	77
29	Effect of prenatal hypoxia on heat stress-mediated cardioprotection in adult rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1712-H1719.	3.2	76
30	Antenatal nicotine induces heightened oxidative stress and vascular dysfunction in rat offspring. <i>British Journal of Pharmacology</i> , 2011, 164, 1400-1409.	5.4	70
31	Perinatal Nicotine Exposure Increases Vulnerability of Hypoxic-Ischemic Brain Injury in Neonatal Rats. <i>Stroke</i> , 2012, 43, 2483-2490.	2.0	66
32	Foetal hypoxia increases cardiac AT2R expression and subsequent vulnerability to adult ischaemic injury. <i>Cardiovascular Research</i> , 2011, 89, 300-308.	3.8	65
33	Fetal hypoxia increases vulnerability of hypoxic-ischemic brain injury in neonatal rats: Role of glucocorticoid receptors. <i>Neurobiology of Disease</i> , 2014, 65, 172-179.	4.4	65
34	Fetal and Neonatal Nicotine Exposure Differentially Regulates Vascular Contractility in Adult Male and Female Offspring. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 654-661.	2.5	64
35	Angiotensin-converting enzymes and drug discovery in cardiovascular diseases. <i>Drug Discovery Today</i> , 2010, 15, 332-341.	6.4	63
36	Norepinephrine causes epigenetic repression of PKC $\mu$ gene in rodent hearts by activating Nox1-dependent reactive oxygen species production. <i>FASEB Journal</i> , 2012, 26, 2753-2763.	0.5	63

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37	MicroRNA-210 Suppresses Junction Proteins and Disrupts Blood-Brain Barrier Integrity in Neonatal Rat Hypoxic-Ischemic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1356.	4.1	60
38	Maternal hypoxia alters matrix metalloproteinase expression patterns and causes cardiac remodeling in fetal and neonatal rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H2113-H2121.	3.2	55
39	Chronic Hypoxia During Gestation Causes Epigenetic Repression of the Estrogen Receptor- $\beta$ Gene in Ovine Uterine Arteries via Heightened Promoter Methylation. <i>Hypertension</i> , 2012, 60, 697-704.	2.7	55
40	Foetal nicotine exposure causes PKC $\delta$ gene repression by promoter methylation in rat hearts. <i>Cardiovascular Research</i> , 2011, 89, 89-97.	3.8	54
41	Upregulation of eNOS in pregnant ovine uterine arteries by chronic hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H812-H820.	3.2	52
42	Maternal Cocaine Administration Causes an Epigenetic Modification of Protein Kinase C $\delta$ Gene Expression in Fetal Rat Heart. <i>Molecular Pharmacology</i> , 2007, 71, 1319-1328.	2.3	50
43	Pregnancy attenuates uterine artery pressure-dependent vascular tone: role of PKC/ERK pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H2337-H2343.	3.2	49
44	Mechanisms and therapeutic potential of microRNAs in hypertension. <i>Drug Discovery Today</i> , 2015, 20, 1188-1204.	6.4	49
45	Direct Effects of Nicotine on Contractility of the Uterine Artery in Pregnancy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 322, 180-185.	2.5	48
46	Epigenetic programming of hypoxic-ischemic encephalopathy in response to fetal hypoxia. <i>Progress in Neurobiology</i> , 2015, 124, 28-48.	5.7	47
47	Direct effect of cocaine on epigenetic regulation of PKC $\delta$ gene repression in the fetal rat heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 47, 504-511.	1.9	46
48	Chronic Hypoxia Suppresses Pregnancy-Induced Upregulation of Large-Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel Activity in Uterine Arteries. <i>Hypertension</i> , 2012, 60, 214-222.	2.7	46
49	Differential expression of microRNAs in ischemic heart disease. <i>Drug Discovery Today</i> , 2015, 20, 223-235.	6.4	46
50	ERK MAP kinases regulate smooth muscle contraction in ovine uterine artery: effect of pregnancy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H292-H300.	3.2	45
51	Mitochondrial MiRNA in Cardiovascular Function and Disease. <i>Cells</i> , 2019, 8, 1475.	4.1	45
52	Fetal Programming of Cardiac Function and Disease. <i>Reproductive Sciences</i> , 2007, 14, 209-216.	2.5	44
53	Dexamethasone Treatment of Newborn Rats Decreases Cardiomyocyte Endowment in the Developing Heart through Epigenetic Modifications. <i>PLoS ONE</i> , 2015, 10, e0125033.	2.5	43
54	Regulation of Ca <sup>2+</sup> sensitization by PKC and rho proteins in ovine cerebral arteries: effects of artery size and age. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H930-H939.	3.2	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. <i>Circulation</i> , 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. <i>International Journal of Biological Sciences</i> , 2019, 15, 1240-1251.	6.4	39
58	Endothelial nitric oxide release in isolated perfused ovine uterine arteries: effect of pregnancy. <i>European Journal of Pharmacology</i> , 1999, 367, 223-230.	3.5	38
59	Cocaine Induces Apoptosis in Fetal Rat Myocardial Cells through the p38 Mitogen-Activated Protein Kinase and Mitochondrial/Cytochrome c Pathways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 112-119.	2.5	38
60	Promoter methylation represses AT2R gene and increases brain hypoxic ischemic injury in neonatal rats. <i>Neurobiology of Disease</i> , 2013, 60, 32-38.	4.4	38
61	Perinatal Nicotine Exposure Increases Angiotensin II Receptor-Mediated Vascular Contractility in Adult Offspring. <i>PLoS ONE</i> , 2014, 9, e108161.	2.5	38
62	Prenatal cocaine exposure increases apoptosis of neonatal rat heart and heart susceptibility to ischemia-reperfusion injury in 1-month-old rat. <i>British Journal of Pharmacology</i> , 2005, 144, 900-907.	5.4	37
63	Prenatal cocaine exposure increases heart susceptibility to ischaemia-reperfusion injury in adult male but not female rats. <i>Journal of Physiology</i> , 2005, 565, 149-158.	2.9	37
64	Fetal Exposure to Cocaine Causes Programming of Prkce Gene Repression in the Left Ventricle of Adult Rat Offspring1. <i>Biology of Reproduction</i> , 2009, 80, 440-448.	2.7	37
65	Chronic Hypoxia Inhibits Sex Steroid Hormone-Mediated Attenuation of Ovine Uterine Arterial Myogenic Tone in Pregnancy. <i>Hypertension</i> , 2010, 56, 750-757.	2.7	37
66	Glucocorticoids Protect Neonatal Rat Brain in Model of Hypoxic-Ischemic Encephalopathy (HIE). <i>International Journal of Molecular Sciences</i> , 2017, 18, 17.	4.1	36
67	MicroRNAs in brain development and cerebrovascular pathophysiology. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C3-C19.	4.6	36
68	Pregnancy-Specific Enhancement of Agonist-Stimulated ERK-1/2 Signaling in Uterine Artery Endothelial Cells Increases Ca <sup>2+</sup> Sensitivity of Endothelial Nitric Oxide Synthase as well as Cytosolic Phospholipase A2*. <i>Endocrinology</i> , 2001, 142, 3014-3026.	2.8	35
69	Estrogen Normalizes Perinatal Nicotine-Induced Hypertensive Responses in Adult Female Rat Offspring. <i>Hypertension</i> , 2013, 61, 1246-1254.	2.7	35
70	Chronic Hypoxia during Gestation Enhances Uterine Arterial Myogenic Tone via Heightened Oxidative Stress. <i>PLoS ONE</i> , 2013, 8, e73731.	2.5	35
71	Antenatal Antioxidant Prevents Nicotine-Mediated Hypertensive Response in Rat Adult Offspring1. <i>Biology of Reproduction</i> , 2015, 93, 66.	2.7	35
72	Cerebral artery sarcoplasmic reticulum Ca <sup>2+</sup> stores and contractility: changes with development. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R860-R873.	1.8	34

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73	Upregulation of Bax and Bcl-2 following prenatal cocaine exposure induces apoptosis in fetal rat brain. <i>International Journal of Medical Sciences</i> , 2008, 5, 295-302.	2.5	34
74	Direct Chronic Effect of Steroid Hormones in Attenuating Uterine Arterial Myogenic Tone. <i>Hypertension</i> , 2009, 54, 352-358.	2.7	34
75	Epigenetic Upregulation of Large-Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel Expression in Uterine Vascular Adaptation to Pregnancy. <i>Hypertension</i> , 2014, 64, 610-618.	2.7	34
76	MicroRNA-210 Targets Ten-Eleven Translocation Methylcytosine Dioxygenase 1 and Suppresses Pregnancy-Mediated Adaptation of Large Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel Expression and Function in Ovine Uterine Arteries. <i>Hypertension</i> , 2017, 70, 601-612.	2.7	34
77	Maternal Cocaine Administration During Pregnancy Induces Apoptosis in Fetal Rat Heart. <i>Journal of Cardiovascular Pharmacology</i> , 2001, 37, 639-648.	1.9	33
78	Chronic hypoxia increases pressure-dependent myogenic tone of the uterine artery in pregnant sheep: role of ERK/PKC pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1840-H1849.	3.2	33
79	Endothelin-1 Promotes Cardiomyocyte Terminal Differentiation in the Developing Heart via Heightened DNA Methylation. <i>International Journal of Medical Sciences</i> , 2014, 11, 373-380.	2.5	33
80	Hypoxia and Mitochondrial Dysfunction in Pregnancy Complications. <i>Antioxidants</i> , 2021, 10, 405.	5.1	33
81	Dexamethasone Protects Neonatal Hypoxic-Ischemic Brain Injury via L-PGDS-Dependent PGD2-DP1-pERK Signaling Pathway. <i>PLoS ONE</i> , 2014, 9, e114470.	2.5	33
82	Pregnancy enhances endothelium-dependent relaxation of ovine uterine artery: role of NO and intracellular Ca <sup>2+</sup> . <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H183-H190.	3.2	32
83	Hypoxia inhibits cardiomyocyte proliferation in fetal rat hearts via upregulating TIMP-4. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R613-R620.	1.8	32
84	Antenatal hypoxia induces epigenetic repression of glucocorticoid receptor and promotes ischemic-sensitive phenotype in the developing heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 91, 160-171.	1.9	32
85	Maturation Alters the Contractile Role of Calcium in Ovine Basilar Arteries. <i>Pediatric Research</i> , 1998, 44, 154-160.	2.3	32
86	The effect of fetal and neonatal nicotine exposure on renal development of AT1 and AT2 receptors. <i>Reproductive Toxicology</i> , 2009, 27, 149-154.	2.9	31
87	Development of fetal brain renin-angiotensin system and hypertension programmed in fetal origins. <i>Progress in Neurobiology</i> , 2009, 87, 252-263.	5.7	31
88	Glucocorticoid Modulates Angiotensin II Receptor Expression Patterns and Protects the Heart from Ischemia and Reperfusion Injury. <i>PLoS ONE</i> , 2014, 9, e106827.	2.5	31
89	Prenatal Exposure to Hypoxia Induced Beclin 1 Signaling-Mediated Renal Autophagy and Altered Renal Development in Rat Fetuses. <i>Reproductive Sciences</i> , 2015, 22, 156-164.	2.5	31
90	Estrogen Regulates Angiotensin II Receptor Expression Patterns and Protects the Heart from Ischemic Injury in Female Rats. <i>Biology of Reproduction</i> , 2015, 93, 6.	2.7	31

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91	Pregnancy Reprograms Large-Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel in Uterine Arteries. <i>Hypertension</i> , 2017, 69, 1181-1191.	2.7	31
92	Î±1-Adrenoceptor-mediated phosphorylation of MYPT-1 and CPI-17 in the uterine artery: role of ERK/PKC. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2828-H2835.	3.2	30
93	Short- and long-term adverse effects of cocaine abuse during pregnancy on the heart development. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2009, 3, 7-16.	2.1	30
94	Prenatal Cocaine Exposure Differentially Causes Vascular Dysfunction in Adult Offspring. <i>Hypertension</i> , 2009, 53, 937-943.	2.7	30
95	Chronic Hypoxia Inhibits Pregnancy-Induced Upregulation of SK <sub>Ca</sub> Channel Expression and Function in Uterine Arteries. <i>Hypertension</i> , 2013, 62, 367-374.	2.7	30
96	Effects of Chronic Hypoxia on Maternal Vasodilation and Vascular Reactivity in Guinea Pig and Ovine Pregnancy. <i>High Altitude Medicine and Biology</i> , 2003, 4, 157-169.	0.9	29
97	Prenatal cocaine exposure abolished ischemic preconditioning-induced protection in adult male rat hearts: role of PKCÎ¼. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1566-H1576.	3.2	29
98	Fetal Hypoxia Results in Programming of Aberrant Angiotensin II Receptor Expression Patterns and Kidney Development. <i>International Journal of Medical Sciences</i> , 2013, 10, 532-538.	2.5	29
99	Dexamethasone Induces Cardiomyocyte Terminal Differentiation via Epigenetic Repression of Cyclin D2 Gene. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 358, 190-198.	2.5	29
100	Inhibition of miRNA-210 reverses nicotine-induced brain hypoxic-ischemic injury in neonatal rats. <i>International Journal of Biological Sciences</i> , 2017, 13, 76-84.	6.4	29
101	Fetal and adult cerebral artery KATP and KCa channel responses to long-term hypoxia. <i>Journal of Applied Physiology</i> , 2002, 92, 1692-1701.	2.5	27
102	Effect of long-term high-altitude hypoxia on fetal pulmonary vascular contractility. <i>Journal of Applied Physiology</i> , 2008, 104, 1786-1792.	2.5	27
103	Newborn Hypoxia/Anoxia Inhibits Cardiomyocyte Proliferation and Decreases Cardiomyocyte Endowment in the Developing Heart: Role of Endothelin-1. <i>PLoS ONE</i> , 2015, 10, e0116600.	2.5	27
104	Gestational Hypoxia Up-regulates Protein Kinase C and Inhibits Calcium-Activated Potassium Channels in Ovine Uterine Arteries. <i>International Journal of Medical Sciences</i> , 2014, 11, 886-892.	2.5	26
105	Clinical value of non-coding RNAs in cardiovascular, pulmonary, and muscle diseases. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C1-C28.	4.6	26
106	Cerebral artery K <sub>ATP</sub> - and K <sub>Ca</sub> -channel activity and contractility: changes with development. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R2004-R2014.	1.8	25
107	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.	3.2	25
108	Chronic hypoxia upregulates DNA methyltransferase and represses large conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel function in ovine uterine arteries. <i>Biology of Reproduction</i> , 2017, 96, 424-434.	2.7	25

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109	Role of Endothelin in Uteroplacental Circulation and Fetal Vascular Function. <i>Current Vascular Pharmacology</i> , 2013, 11, 594-605.	1.7	25
110	Effects of chronic hypoxia on Ca <sup>2+</sup> mobilization and Ca <sup>2+</sup> sensitivity of myofilaments in uterine arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H132-H138.	3.2	24
111	Chronic Hypoxia and Developmental Regulation of Cytochrome C Expression in Rats. <i>Journal of the Society for Gynecologic Investigation</i> , 2000, 7, 279-283.	1.7	24
112	Gestational Hypoxia Increases Reactive Oxygen Species and Inhibits Steroid Hormone-Mediated Upregulation of Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel Function in Uterine Arteries. <i>Hypertension</i> , 2014, 64, 415-422.	2.7	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. <i>Brain Research</i> , 2017, 1669, 114-121.	2.2	24
114	MicroRNAs in Uteroplacental Vascular Dysfunction. <i>Cells</i> , 2019, 8, 1344.	4.1	24
115	MicroRNA-210 Downregulates ISCU and Induces Mitochondrial Dysfunction and Neuronal Death in Neonatal Hypoxic-Ischemic Brain Injury. <i>Molecular Neurobiology</i> , 2019, 56, 5608-5625.	4.0	24
116	Cardiac ECM: Its Epigenetic Regulation and Role in Heart Development and Repair. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8610.	4.1	24
117	Cocaine Induces Apoptosis in Human Coronary Artery Endothelial Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 35, 572-580.	1.9	24
118	Protective Effect of Antenatal Antioxidant on Nicotine-Induced Heart Ischemia-Sensitive Phenotype in Rat Offspring. <i>PLoS ONE</i> , 2016, 11, e0150557.	2.5	24
119	Long-term high-altitude hypoxia increases plasma nitrate levels in pregnant ewes and their fetuses. <i>American Journal of Obstetrics and Gynecology</i> , 1998, 179, 1594-1598.	1.3	23
120	Developmental nicotine exposure results in programming of alveolar simplification and interstitial pulmonary fibrosis in adult male rats. <i>Reproductive Toxicology</i> , 2012, 34, 370-377.	2.9	23
121	Promoter methylation of Egr-1 site contributes to fetal hypoxia-mediated PKC $\mu$ gene repression in the developing heart. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R683-R689.	1.8	23
122	Gestational hypoxia and epigenetic programming of brain development disorders. <i>Drug Discovery Today</i> , 2014, 19, 1883-1896.	6.4	23
123	Long-term high altitude hypoxia during gestation suppresses large conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel function in uterine arteries: a causal role for microRNA-210. <i>Journal of Physiology</i> , 2018, 596, 5891-5906.	2.9	23
124	MicroRNA-210 suppresses glucocorticoid receptor expression in response to hypoxia in fetal rat cardiomyocytes. <i>Oncotarget</i> , 2017, 8, 80249-80264.	1.8	23
125	Hypoxia Represses ER $\beta$ Expression and Inhibits Estrogen-Induced Regulation of Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel Activity and Myogenic Tone in Ovine Uterine Arteries. <i>Hypertension</i> , 2015, 66, 44-51.	2.7	22
126	Prenatal hypoxia-induced epigenomic and transcriptomic reprogramming in rat fetal and adult offspring hearts. <i>Scientific Data</i> , 2019, 6, 238.	5.3	22



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127	Extracellular Signal-Regulated Kinases and Contractile Responses in Ovine Adult and Fetal Cerebral Arteries. <i>Journal of Physiology</i> , 2003, 551, 691-703.	2.9	21
128	1-Adrenergic receptor subtype function in fetal and adult cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1797-H1806.	3.2	21
129	Inhibition of DNA Methylation in the Developing Rat Brain Disrupts Sexually Dimorphic Neurobehavioral Phenotypes in Adulthood. <i>Molecular Neurobiology</i> , 2017, 54, 3988-3999.	4.0	21
130	Pregnancy Increases Ca <sup>2+</sup> Sparks/Spontaneous Transient Outward Currents and Reduces Uterine Arterial Myogenic Tone. <i>Hypertension</i> , 2019, 73, 691-702.	2.7	21
131	PKC-induced ERK1/2 interactions and downstream effectors in ovine cerebral arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R164-R171.	1.8	20
132	Direct effect of chronic hypoxia in suppressing large conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel activity in ovine uterine arteries via increasing oxidative stress. <i>Journal of Physiology</i> , 2016, 594, 343-356.	2.9	20
133	Long-term exposure to high altitude hypoxia during pregnancy increases fetal heart susceptibility to ischemia/reperfusion injury and cardiac dysfunction. <i>International Journal of Cardiology</i> , 2019, 274, 7-15.	1.7	20
134	Dual role of PKC in modulating pharmacomechanical coupling in fetal and adult cerebral arteries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R1419-R1429.	1.8	19
135	Calcium Homeostasis and Contraction of the Uterine Artery: Effect of Pregnancy and Chronic Hypoxia. <i>Biology of Reproduction</i> , 2004, 70, 1171-1177.	2.7	19
136	Maternal hypoxia increases the activity of MMPs and decreases the expression of TIMPs in the brain of neonatal rats. <i>Developmental Neurobiology</i> , 2010, 70, 182-194.	3.0	19
137	Role of KATP and L-type Ca <sup>2+</sup> channel activities in regulation of ovine uterine vascular contractility: effect of pregnancy and chronic hypoxia. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 203, 596.e6-596.e12.	1.3	19
138	Fetal hypoxia and programming of matrix metalloproteinases. <i>Drug Discovery Today</i> , 2012, 17, 124-134.	6.4	19
139	Endothelial glucocorticoid receptor promoter methylation according to dexamethasone sensitivity. <i>Journal of Molecular Endocrinology</i> , 2015, 55, 133-146.	2.5	19
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