

Lubo Zhang

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.

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|--------------------|-------------------------|---------------|-----------------|
| 246 papers | 6,153 citations | 43 h-index | 63 g-index |
| 259 ext. papers | 7,049 ext. citations | 5 avg, IF | 6.25 L-index |

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 246 | Mitochondrial Dysfunction in the Pathogenesis of Preeclampsia.. <i>Current Hypertension Reports</i> , 2022 , 1 | 4.7 | 0 |
| 245 | Long-Term Hypoxia Negatively Influences Ca Signaling in Basilar Arterial Myocytes of Fetal and Adult Sheep.. <i>Frontiers in Physiology</i> , 2021 , 12, 760176 | 4.6 | |
| 244 | Hypoxia and Mitochondrial Dysfunction in Pregnancy Complications. <i>Antioxidants</i> , 2021 , 10, | 7.1 | 10 |
| 243 | MicroRNA-210 Mediates Hypoxia-Induced Repression of Spontaneous Transient Outward Currents in Sheep Uterine Arteries During Gestation. <i>Hypertension</i> , 2021 , 77, 1412-1427 | 8.5 | 3 |
| 242 | Gestational long-term hypoxia induces metabolomic reprogramming and phenotypic transformations in fetal sheep pulmonary arteries. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L770-L784 | 5.8 | 2 |
| 241 | Hypoxia and the integrated stress response promote pulmonary hypertension and preeclampsia: Implications in drug development. <i>Drug Discovery Today</i> , 2021 , 26, 2754-2773 | 8.8 | 3 |
| 240 | Ryanodine receptor subtypes regulate Ca ²⁺ sparks/spontaneous transient outward currents and myogenic tone of uterine arteries in pregnancy. <i>Cardiovascular Research</i> , 2021 , 117, 792-804 | 9.9 | 5 |
| 239 | Uteroplacental Circulation in Normal Pregnancy and Preeclampsia: Functional Adaptation and Maladaptation. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 4 |
| 238 | Fetal e-cigarette exposure programs a neonatal brain hypoxic-ischemic sensitive phenotype via altering DNA methylation patterns and autophagy signaling pathway. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 321, R791-R801 | 3.2 | 0 |
| 237 | Inhibition of DNA methylation in newborns reprograms ischemia-sensitive biomarkers resulting in development of a heart ischemia-sensitive phenotype late in life. <i>Reproductive Toxicology</i> , 2021 , 105, 198-210 | 3.4 | |
| 236 | MicroRNA-210 downregulates TET2 and contributes to inflammatory response in neonatal hypoxic-ischemic brain injury. <i>Journal of Neuroinflammation</i> , 2021 , 18, 6 | 10.1 | 5 |
| 235 | Prenatal High-Salt Diet-Induced Metabolic Disorders via Decreasing Peroxisome Proliferator-Activated Receptor Gamma Coactivator 1 α in Adult Male Rat Offspring. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e2000196 | 5.9 | 1 |
| 234 | Inhibition of Autophagy Signaling via 3-methyladenine Rescued Nicotine-Mediated Cardiac Pathological Effects and Heart Dysfunctions. <i>International Journal of Biological Sciences</i> , 2020 , 16, 1349-1362 | 11.2 | 9 |
| 233 | Fetal Hypoxia Impacts on Proliferation and Differentiation of Sca-1 Cardiac Progenitor Cells and Maturation of Cardiomyocytes: A Role of MicroRNA-210. <i>Genes</i> , 2020 , 11, | 4.2 | 2 |
| 232 | TRPML channel activation partially rescues Ca ²⁺ spark activity in sheep fetal pulmonary arterial myocytes following intrauterine long-term hypoxia. <i>FASEB Journal</i> , 2020 , 34, 1-1 | 0.9 | |
| 231 | High Altitude Hypoxia Induces Cellular Immaturity of Pulmonary Arteries in the Fetal Lamb: Assessment of Protein Biomarkers. <i>FASEB Journal</i> , 2020 , 34, 1-1 | 0.9 | |
| 230 | Gestational High-Altitude Hypoxia and Metabolomic Reprogramming in Pulmonary Arteries from Fetal Sheep. <i>FASEB Journal</i> , 2020 , 34, 1-1 | 0.9 | |

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|-----|--|------|----|
| 229 | Prenatal chronic intermittent nicotine aerosol exposure programming a sex dependent hypertensive phenotype via vascular eNOS uncoupling. <i>FASEB Journal</i> , 2020 , 34, 1-1 | 0.9 | |
| 228 | Clinical value of non-coding RNAs in cardiovascular, pulmonary, and muscle diseases. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 318, C1-C28 | 5.4 | 16 |
| 227 | Reprogramming of miR-181a/DNA methylation patterns contribute to the maternal nicotine exposure-induced fetal programming of cardiac ischemia-sensitive phenotype in postnatal life. <i>Theranostics</i> , 2020 , 10, 11820-11836 | 12.1 | 8 |
| 226 | Cardiac ECM: Its Epigenetic Regulation and Role in Heart Development and Repair. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 9 |
| 225 | Gestational Hypoxia Inhibits Pregnancy-Induced Upregulation of Ca Sparks and Spontaneous Transient Outward Currents in Uterine Arteries Via Heightened Endoplasmic Reticulum/Oxidative Stress. <i>Hypertension</i> , 2020 , 76, 930-942 | 8.5 | 8 |
| 224 | Early Detection of Coronary Artery Disease by Micro-RNA Analysis in Asymptomatic Patients Stratified by Coronary CT Angiography. <i>Diagnostics</i> , 2020 , 10, | 3.8 | 2 |
| 223 | Antenatal Hypoxia Accelerates the Onset of Alzheimer's Disease Pathology in 5xFAD Mouse Model. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 251 | 5.3 | 1 |
| 222 | 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 | 15.4 | 41 |
| 221 | Long-Term High-Altitude Hypoxia and Alpha Adrenoceptor-Dependent Pulmonary Arterial Contractions in Fetal and Adult Sheep. <i>Frontiers in Physiology</i> , 2019 , 10, 1032 | 4.6 | 6 |
| 220 | Perinatal nicotine exposure alters Akt/GSK-3 β /mTOR/autophagy signaling, leading to development of hypoxic-ischemic-sensitive phenotype in rat neonatal brain. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R803-R813 | 3.2 | 4 |
| 219 | Epigenetic down-regulation of BK channel by miR-181a contributes to the fetal and neonatal nicotine-mediated exaggerated coronary vascular tone in adult life. <i>International Journal of Cardiology</i> , 2019 , 281, 82-89 | 3.2 | 11 |
| 218 | Pregnancy Increases Ca Sparks/Spontaneous Transient Outward Currents and Reduces Uterine Arterial Myogenic Tone. <i>Hypertension</i> , 2019 , 73, 691-702 | 8.5 | 15 |
| 217 | 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 | 11.2 | 23 |
| 216 | Antenatal Hypoxia and Programming of Glucocorticoid Receptor Expression in the Adult Rat Heart. <i>Frontiers in Physiology</i> , 2019 , 10, 323 | 4.6 | 13 |
| 215 | Effect of Oxidative Stress on the Estrogen-NOS-NO-K Channel Pathway in Uteroplacental Dysfunction: Its Implication in Pregnancy Complications. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 9194269 | 6.7 | 12 |
| 214 | MicroRNAs in brain development and cerebrovascular pathophysiology. <i>American Journal of Physiology - Cell Physiology</i> , 2019 , 317, C3-C19 | 5.4 | 14 |
| 213 | Neural stem cell therapies and hypoxic-ischemic brain injury. <i>Progress in Neurobiology</i> , 2019 , 173, 1-17 | 10.9 | 64 |
| 212 | microRNAs and cardiac stem cells in heart development and disease. <i>Drug Discovery Today</i> , 2019 , 24, 233-240 | 8.8 | 10 |

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| 211 | 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 | 3.2 | 13 |
| 210 | Repression of the Glucocorticoid Receptor Increases Hypoxic-Ischemic Brain Injury in the Male Neonatal Rat. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 6 |
| 209 | Prenatal hypoxia-induced epigenomic and transcriptomic reprogramming in rat fetal and adult offspring hearts. <i>Scientific Data</i> , 2019 , 6, 238 | 8.2 | 11 |
| 208 | MicroRNAs in Uteroplacental Vascular Dysfunction. <i>Cells</i> , 2019 , 8, | 7.9 | 19 |
| 207 | Gestational Hypoxia and Programing of Lung Metabolism. <i>Frontiers in Physiology</i> , 2019 , 10, 1453 | 4.6 | 2 |
| 206 | Glucocorticoids and programming of the microenvironment in heart. <i>Journal of Endocrinology</i> , 2019 , 242, T121-T133 | 4.7 | 8 |
| 205 | Nutritional Stress and Fetal Epigenetics in the Brain 2019 , 899-921 | | |
| 204 | Long Term Hypoxia Negatively Influences Ca ²⁺ Signaling in Basilar Arterial Myocytes of Fetal and Adult Sheep. <i>FASEB Journal</i> , 2019 , 33, 551.7 | 0.9 | |
| 203 | Long Term Hypoxia Reduces Levels of Oxylipins in Pulmonary Arteries and Venous Plasma of Fetal Sheep. <i>FASEB Journal</i> , 2019 , 33, 550.5 | 0.9 | |
| 202 | Long Term Hypoxia Reduces Antioxidant Levels and Causes a Glycolytic Shift in Neonatal Sheep Pulmonary arteries. <i>FASEB Journal</i> , 2019 , 33, 550.6 | 0.9 | |
| 201 | Mitochondrial MiRNA in Cardiovascular Function and Disease. <i>Cells</i> , 2019 , 8, | 7.9 | 27 |
| 200 | Multi-Omics Integration Reveals Short and Long-Term Effects of Gestational Hypoxia on the Heart Development. <i>Cells</i> , 2019 , 8, | 7.9 | 6 |
| 199 | Foetal hypoxia impacts methylome and transcriptome in developmental programming of heart disease. <i>Cardiovascular Research</i> , 2019 , 115, 1306-1319 | 9.9 | 8 |
| 198 | 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 | 6.2 | 16 |
| 197 | C-type natriuretic peptide functions as an innate neuroprotectant in neonatal hypoxic-ischemic brain injury in mouse via natriuretic peptide receptor 2. <i>Experimental Neurology</i> , 2018 , 304, 58-66 | 5.7 | 9 |
| 196 | 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 |
| 195 | A novel rodent model of pregnancy complications associated with genetically determined angiotensin-converting enzyme (ACE) activity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E52-E62 | 6 | 4 |
| 194 | Gestational Hypoxia and Developmental Plasticity. <i>Physiological Reviews</i> , 2018 , 98, 1241-1334 | 47.9 | 70 |

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| 193 | Repression of the Glucocorticoid Receptor Aggravates Acute Ischemic Brain Injuries in Adult Mice. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 11 |
| 192 | Long-term high altitude hypoxia during gestation suppresses large conductance Ca ²⁺ -activated K ⁺ channel function in uterine arteries: a causal role for microRNA-210. <i>Journal of Physiology</i> , 2018 , 596, 5891-5906 | 3.9 | 16 |
| 191 | SIRT1 increases cardiomyocyte binucleation in the heart development. <i>Oncotarget</i> , 2018 , 9, 7996-8010 | 3.3 | 10 |
| 190 | SIRT1 plays a novel role in the regulation of cardiomyocyte terminal differentiation in the developing heart. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-2-6 | 0 | |
| 189 | Acute Hypoxia Alters Ryanodine Receptor Activity in Pulmonary Arterial Myocytes of High Altitude Acclimatized Fetal and Adult Sheep. <i>FASEB Journal</i> , 2018 , 32, 892.5 | 0.9 | |
| 188 | Ryanodine Receptor 1 mRNA Expression is Increased by Post-Natal Maturation and Long Term Hypoxia in Sheep Pulmonary Arteries. <i>FASEB Journal</i> , 2018 , 32, 892.9 | 0.9 | |
| 187 | Pregnancy Enhances Calcium Spark Activity Independent of Altitude in Ovine Uterine Arterial Myocytes. <i>FASEB Journal</i> , 2018 , 32, 858.10 | 0.9 | |
| 186 | Beta Adrenergic Induced Pulmonary Arterial Vasodilation Following Long Term Hypoxia in Fetal and Adult Sheep. <i>FASEB Journal</i> , 2018 , 32, 892.18 | 0.9 | |
| 185 | Long Term Hypoxia Reduces Ca ²⁺ Oscillations in Basilar Arterial Myocytes of Fetal and Adult Sheep. <i>FASEB Journal</i> , 2018 , 32, 858.9 | 0.9 | |
| 184 | High Altitude Hypoxia Impacts Omega-3 Fatty Acid Metabolites in Plasma of Fetal and Newborn Sheep. <i>FASEB Journal</i> , 2018 , 32, 858.5 | 0.9 | 1 |
| 183 | Long-term high-altitude hypoxia influences pulmonary arterial L-type calcium channel-mediated Ca ²⁺ signals and contraction in fetal and adult sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 314, R433-R446 | 3.2 | 7 |
| 182 | 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 | 5.7 | 62 |
| 181 | Corticosteroids and perinatal hypoxic-ischemic brain injury. <i>Drug Discovery Today</i> , 2018 , 23, 1718-1732 | 8.8 | 10 |
| 180 | Inhibition of DNA Methylation in the Developing Rat Brain Disrupts Sexually Dimorphic Neurobehavioral Phenotypes in Adulthood. <i>Molecular Neurobiology</i> , 2017 , 54, 3988-3999 | 6.2 | 14 |
| 179 | Pregnancy Reprograms Large-Conductance Ca ²⁺ -Activated K ⁺ Channel in Uterine Arteries: Roles of Ten-Eleven Translocation Methylcytosine Dioxygenase 1-Mediated Active Demethylation. <i>Hypertension</i> , 2017 , 69, 1181-1191 | 8.5 | 24 |
| 178 | Angiogenesis during pregnancy: all routes lead to MAPKs. <i>Journal of Physiology</i> , 2017 , 595, 4571-4572 | 3.9 | 4 |
| 177 | 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 | 3.7 | 19 |
| 176 | Brain-immune interactions in perinatal hypoxic-ischemic brain injury. <i>Progress in Neurobiology</i> , 2017 , 159, 50-68 | 10.9 | 110 |

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| 175 | 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 | 11.2 | 25 |
| 174 | Neonatal Lipopolysaccharide Exposure Gender-Dependently Increases Heart Susceptibility to Ischemia/Reperfusion Injury in Male Rats. <i>International Journal of Medical Sciences</i> , 2017 , 14, 1163-1172 | 3.7 | 6 |
| 173 | MicroRNA-210 Targets Ten-Eleven Translocation Methylcytosine Dioxygenase 1 and Suppresses Pregnancy-Mediated Adaptation of Large Conductance Ca-Activated K Channel Expression and Function in Ovine Uterine Arteries. <i>Hypertension</i> , 2017 , | 8.5 | 22 |
| 172 | Chronic hypoxia upregulates DNA methyltransferase and represses large conductance Ca ²⁺ -activated K ⁺ channel function in ovine uterine arteries. <i>Biology of Reproduction</i> , 2017 , 96, 424-434 | 3.9 | 16 |
| 171 | Chronic Hypobaric Hypoxia Modulates Primary Cilia Differently in Adult and Fetal Ovine Kidneys. <i>Frontiers in Physiology</i> , 2017 , 8, 677 | 4.6 | 4 |
| 170 | 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, | 6.3 | 44 |
| 169 | A novel mechanism of angiotensin II-regulated placental vascular tone in the development of hypertension in preeclampsia. <i>Oncotarget</i> , 2017 , 8, 30734-30741 | 3.3 | 14 |
| 168 | MicroRNA-210 suppresses glucocorticoid receptor expression in response to hypoxia in fetal rat cardiomyocytes. <i>Oncotarget</i> , 2017 , 8, 80249-80264 | 3.3 | 19 |
| 167 | Role of DNA methylation in perinatal nicotine-induced development of heart ischemia-sensitive phenotype in rat offspring. <i>Oncotarget</i> , 2017 , 8, 76865-76880 | 3.3 | 17 |
| 166 | Computational Modeling Approach in Probing the Effects of Cytosine Methylation on the Transcription Factor Binding to DNA. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 1778-1787 | 3 | 2 |
| 165 | Proteomic Analysis of Endothelin-1 Targets in the Regulation of Cardiomyocyte Proliferation. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 1788-1802 | 3 | 2 |
| 164 | Nutritional Stress and Fetal Epigenetics in the Brain 2017 , 1-23 | | |
| 163 | Glucocorticoids Protect Neonatal Rat Brain in Model of Hypoxic-Ischemic Encephalopathy (HIE). <i>International Journal of Molecular Sciences</i> , 2016 , 18, | 6.3 | 29 |
| 162 | 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, 160-71 | 5.8 | 26 |
| 161 | Dexamethasone Induces Cardiomyocyte Terminal Differentiation via Epigenetic Repression of Cyclin D2 Gene. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 358, 190-8 | 4.7 | 24 |
| 160 | Inhibition of microRNA-210 provides neuroprotection in hypoxic-ischemic brain injury in neonatal rats. <i>Neurobiology of Disease</i> , 2016 , 89, 202-12 | 7.5 | 85 |
| 159 | Fetal stress-mediated hypomethylation increases the brain susceptibility to hypoxic-ischemic injury in neonatal rats. <i>Experimental Neurology</i> , 2016 , 275 Pt 1, 1-10 | 5.7 | 10 |
| 158 | Protective Effect of Antenatal Antioxidant on Nicotine-Induced Heart Ischemia-Sensitive Phenotype in Rat Offspring. <i>PLoS ONE</i> , 2016 , 11, e0150557 | 3.7 | 21 |

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| 157 | Direct effect of chronic hypoxia in suppressing large conductance Ca(2+)-activated K(+) channel activity in ovine uterine arteries via increasing oxidative stress. <i>Journal of Physiology</i> , 2016 , 594, 343-56 | 3.9 | 14 |
| 156 | Roles of ion channels in regulation of acetylcholine-mediated vasoconstrictions in umbilical cords of rabbit/rats. <i>Reproductive Toxicology</i> , 2016 , 65, 95-103 | 3.4 | 5 |
| 155 | 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 | 3.9 | 23 |
| 154 | Differential expression of microRNAs in ischemic heart disease. <i>Drug Discovery Today</i> , 2015 , 20, 223-35 | 8.8 | 38 |
| 153 | Epigenetic programming of hypoxic-ischemic encephalopathy in response to fetal hypoxia. <i>Progress in Neurobiology</i> , 2015 , 124, 28-48 | 10.9 | 33 |
| 152 | Antenatal Antioxidant Prevents Nicotine-Mediated Hypertensive Response in Rat Adult Offspring. <i>Biology of Reproduction</i> , 2015 , 93, 66 | 3.9 | 25 |
| 151 | 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 | 3.7 | 19 |
| 150 | Chronic Losartan Treatment Up-Regulates AT1R and Increases the Heart Vulnerability to Acute Onset of Ischemia and Reperfusion Injury in Male Rats. <i>PLoS ONE</i> , 2015 , 10, e0132712 | 3.7 | 10 |
| 149 | Hypoxia Represses ER-Expression and Inhibits Estrogen-Induced Regulation of Ca2+-Activated K+ Channel Activity and Myogenic Tone in Ovine Uterine Arteries: Causal Role of DNA Methylation. <i>Hypertension</i> , 2015 , 66, 44-51 | 8.5 | 20 |
| 148 | Mechanisms and therapeutic potential of microRNAs in hypertension. <i>Drug Discovery Today</i> , 2015 , 20, 1188-204 | 8.8 | 41 |
| 147 | Endothelial glucocorticoid receptor promoter methylation according to dexamethasone sensitivity. <i>Journal of Molecular Endocrinology</i> , 2015 , 55, 133-46 | 4.5 | 15 |
| 146 | Prenatal exposure to hypoxia induced Beclin 1 signaling-mediated renal autophagy and altered renal development in rat fetuses. <i>Reproductive Sciences</i> , 2015 , 22, 156-64 | 3 | 24 |
| 145 | Epigenetic mechanisms in heart development and disease. <i>Drug Discovery Today</i> , 2015 , 20, 799-811 | 8.8 | 64 |
| 144 | Dexamethasone Treatment of Newborn Rats Decreases Cardiomyocyte Endowment in the Developing Heart through Epigenetic Modifications. <i>PLoS ONE</i> , 2015 , 10, e0125033 | 3.7 | 33 |
| 143 | Fetal hypoxia increases vulnerability of hypoxic-ischemic brain injury in neonatal rats: role of glucocorticoid receptors. <i>Neurobiology of Disease</i> , 2014 , 65, 172-9 | 7.5 | 51 |
| 142 | Inhibition of DNA methylation reverses norepinephrine-induced cardiac hypertrophy in rats. <i>Cardiovascular Research</i> , 2014 , 101, 373-82 | 9.9 | 80 |
| 141 | Gestational hypoxia increases reactive oxygen species and inhibits steroid hormone-mediated upregulation of Ca(2+)-activated K(+) channel function in uterine arteries. <i>Hypertension</i> , 2014 , 64, 415-22 | 8.5 | 21 |
| 140 | Antenatal hypoxia induces programming of reduced arterial blood pressure response in female rat offspring: role of ovarian function. <i>PLoS ONE</i> , 2014 , 9, e98743 | 3.7 | 9 |

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|-----|---|-----|-----|
| 139 | Glucocorticoid modulates angiotensin II receptor expression patterns and protects the heart from ischemia and reperfusion injury. <i>PLoS ONE</i> , 2014 , 9, e106827 | 3.7 | 25 |
| 138 | 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, 886-92 | 3.7 | 19 |
| 137 | Endothelin-1 promotes cardiomyocyte terminal differentiation in the developing heart via heightened DNA methylation. <i>International Journal of Medical Sciences</i> , 2014 , 11, 373-80 | 3.7 | 26 |
| 136 | Epigenetic upregulation of large-conductance Ca ²⁺ -activated K ⁺ channel expression in uterine vascular adaptation to pregnancy. <i>Hypertension</i> , 2014 , 64, 610-8 | 8.5 | 30 |
| 135 | Gestational hypoxia and epigenetic programming of brain development disorders. <i>Drug Discovery Today</i> , 2014 , 19, 1883-96 | 8.8 | 12 |
| 134 | Binucleation of cardiomyocytes: the transition from a proliferative to a terminally differentiated state. <i>Drug Discovery Today</i> , 2014 , 19, 602-9 | 8.8 | 68 |
| 133 | Perinatal nicotine exposure increases angiotensin II receptor-mediated vascular contractility in adult offspring. <i>PLoS ONE</i> , 2014 , 9, e108161 | 3.7 | 33 |
| 132 | Dexamethasone protects neonatal hypoxic-ischemic brain injury via L-PGDS-dependent PGD2-DP1-pERK signaling pathway. <i>PLoS ONE</i> , 2014 , 9, e114470 | 3.7 | 27 |
| 131 | Promoter methylation represses AT2R gene and increases brain hypoxic-ischemic injury in neonatal rats. <i>Neurobiology of Disease</i> , 2013 , 60, 32-8 | 7.5 | 30 |
| 130 | Role of the hypothalamic-pituitary-adrenal axis in developmental programming of health and disease. <i>Frontiers in Neuroendocrinology</i> , 2013 , 34, 27-46 | 8.9 | 100 |
| 129 | Chronic hypoxia inhibits pregnancy-induced upregulation of SKCa channel expression and function in uterine arteries. <i>Hypertension</i> , 2013 , 62, 367-74 | 8.5 | 25 |
| 128 | Promoter methylation of Egr-1 site contributes to fetal hypoxia-mediated PKC β gene repression in the developing heart. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R683-9 | 3.2 | 21 |
| 127 | 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, R613-20 | 3.2 | 29 |
| 126 | Estrogen normalizes perinatal nicotine-induced hypertensive responses in adult female rat offspring. <i>Hypertension</i> , 2013 , 61, 1246-54 | 8.5 | 29 |
| 125 | Gestational hypoxia induces preeclampsia-like symptoms via heightened endothelin-1 signaling in pregnant rats. <i>Hypertension</i> , 2013 , 62, 599-607 | 8.5 | 64 |
| 124 | Fetal hypoxia results in programming of aberrant angiotensin ii receptor expression patterns and kidney development. <i>International Journal of Medical Sciences</i> , 2013 , 10, 532-8 | 3.7 | 25 |
| 123 | Chronic hypoxia during gestation enhances uterine arterial myogenic tone via heightened oxidative stress. <i>PLoS ONE</i> , 2013 , 8, e73731 | 3.7 | 24 |
| 122 | Role of endothelin in uteroplacental circulation and fetal vascular function. <i>Current Vascular Pharmacology</i> , 2013 , 11, 594-605 | 3.3 | 17 |

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| 121 | Potassium channels and uterine vascular adaptation to pregnancy and chronic hypoxia. <i>Current Vascular Pharmacology</i> , 2013 , 11, 737-47 | 3.3 | 17 |
| 120 | Fetal hypoxia and programming of matrix metalloproteinases. <i>Drug Discovery Today</i> , 2012 , 17, 124-34 | 8.8 | 15 |
| 119 | Norepinephrine causes epigenetic repression of PKC ζ gene in rodent hearts by activating Nox1-dependent reactive oxygen species production. <i>FASEB Journal</i> , 2012 , 26, 2753-63 | 0.9 | 57 |
| 118 | Function and regulation of large conductance Ca(2+)-activated K ⁺ channel in vascular smooth muscle cells. <i>Drug Discovery Today</i> , 2012 , 17, 974-87 | 8.8 | 76 |
| 117 | Developmental nicotine exposure results in programming of alveolar simplification and interstitial pulmonary fibrosis in adult male rats. <i>Reproductive Toxicology</i> , 2012 , 34, 370-7 | 3.4 | 18 |
| 116 | Hypoxia-derived oxidative stress mediates epigenetic repression of PKC ζ gene in foetal rat hearts. <i>Cardiovascular Research</i> , 2012 , 93, 302-10 | 9.9 | 70 |
| 115 | Fetal stress and programming of hypoxic/ischemic-sensitive phenotype in the neonatal brain: mechanisms and possible interventions. <i>Progress in Neurobiology</i> , 2012 , 98, 145-65 | 10.9 | 92 |
| 114 | Chronic hypoxia differentially up-regulates protein kinase C-mediated ovine uterine arterial contraction via actin polymerization signaling in pregnancy. <i>Biology of Reproduction</i> , 2012 , 87, 142 | 3.9 | 11 |
| 113 | Chronic hypoxia suppresses pregnancy-induced upregulation of large-conductance Ca ²⁺ -activated K ⁺ channel activity in uterine arteries. <i>Hypertension</i> , 2012 , 60, 214-22 | 8.5 | 41 |
| 112 | Chronic hypoxia during gestation causes epigenetic repression of the estrogen receptor- β gene in ovine uterine arteries via heightened promoter methylation. <i>Hypertension</i> , 2012 , 60, 697-704 | 8.5 | 53 |
| 111 | Perinatal nicotine exposure increases vulnerability of hypoxic-ischemic brain injury in neonatal rats: role of angiotensin II receptors. <i>Stroke</i> , 2012 , 43, 2483-90 | 6.7 | 54 |
| 110 | Antenatal nicotine exposure results in programming of aberrant alveolar development and interstitial pulmonary fibrosis in adult male rats. <i>FASEB Journal</i> , 2012 , 26, 698.10 | 0.9 | |
| 109 | Egr1 plays a key role in fetal programming of gender-dependent PKC ζ gene expression patterns in the developing heart. <i>FASEB Journal</i> , 2012 , 26, 699.4 | 0.9 | |
| 108 | Direct Inhibitory Effect of Hypoxia on Cardiomyocyte Proliferation in Fetal Rat Hearts. <i>FASEB Journal</i> , 2012 , 26, 699.5 | 0.9 | |
| 107 | Effect of chronic hypoxia on pregnancy-mediated transcriptional regulation of ER α in ovine uterine arteries. <i>FASEB Journal</i> , 2012 , 26, 535.5 | 0.9 | |
| 106 | Altered dipsogenic responses and expression of angiotensin receptors in the offspring exposed to prenatal high sucrose. <i>Peptides</i> , 2011 , 32, 104-11 | 3.8 | 11 |
| 105 | Pregnancy upregulates large-conductance Ca(2+)-activated K(+) channel activity and attenuates myogenic tone in uterine arteries. <i>Hypertension</i> , 2011 , 58, 1132-9 | 8.5 | 66 |
| 104 | Antenatal nicotine induces heightened oxidative stress and vascular dysfunction in rat offspring. <i>British Journal of Pharmacology</i> , 2011 , 164, 1400-9 | 8.6 | 57 |

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