DaLiao Xiao

List of Publications by Year in descending order

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105 papers	2,959 citations	147801 31 h-index	214800 47 g-index
105 all docs	105 docs citations	105 times ranked	2491 citing authors

#	Article	IF	Citations
1	The Regulatory Role of H19/miR-181a/ATG5 Signaling in Perinatal Nicotine Exposure-Induced Development of Neonatal Brain Hypoxic-Ischemic Sensitive Phenotype. International Journal of Molecular Sciences, 2022, 23, 6885.	4.1	4
2	Single-nucleus chromatin accessibility and RNA sequencing reveal impaired brain development in prenatally e-cigarette exposed neonatal rats. IScience, 2022, 25, 104686.	4.1	3
3	Ryanodine receptor subtypes regulate Ca2+ sparks/spontaneous transient outward currents and myogenic tone of uterine arteries in pregnancy. Cardiovascular Research, 2021, 117, 792-804.	3.8	9
4	Computational molecular docking and virtual screening revealed promising SARS-CoV-2 drugs. Precision Clinical Medicine, 2021, 4, 1-16.	3.3	66
5	E-Cigarettes and Cardiopulmonary Health. Function, 2021, 2, zqab004.	2.3	36
6	Fetal e-cigarette exposure programs a neonatal brain hypoxic-ischemic sensitive phenotype via altering DNA methylation patterns and autophagy signaling pathway. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R791-R801.	1.8	6
7	Inhibition of DNA methylation in newborns reprograms ischemia-sensitive biomarkers resulting in development of a heart ischemia-sensitive phenotype late in life. Reproductive Toxicology, 2021, 105, 198-210.	2.9	1
8	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.	10.0	15
9	Gestational Hypoxia Inhibits Pregnancy-Induced Upregulation of Ca ²⁺ Sparks and Spontaneous Transient Outward Currents in Uterine Arteries Via Heightened Endoplasmic Reticulum/Oxidative Stress. Hypertension, 2020, 76, 930-942.	2.7	13
10	Early Detection of Coronary Artery Disease by Micro-RNA Analysis in Asymptomatic Patients Stratified by Coronary CT Angiography. Diagnostics, 2020, 10, 875.	2.6	10
11	Inhibition of Autophagy Signaling via 3-methyladenine Rescued Nicotine-Mediated Cardiac Pathological Effects and Heart Dysfunctions. International Journal of Biological Sciences, 2020, 16, 1349-1362.	6.4	12
12	Prenatal chronic intermittent nicotine aerosol exposure programming a sex dependent hypertensive phenotype via vascular eNOS uncoupling. FASEB Journal, 2020, 34, 1-1.	0.5	0
13	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.	1.7	20
14	Exercise and Ion-Channel Remodeling in Vascular Smooth Muscle During Hypertension: Therapeutic Implications. Journal of Science in Sport and Exercise, 2019, 1, 237-247.	1.0	0
15	Perinatal nicotine exposure alters Akt/GSK-3Î²/mTOR/autophagy signaling, leading to development of hypoxic-ischemic-sensitive phenotype in rat neonatal brain. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R803-R813.	1.8	9
16	Epigenetic down-regulation of BKCa channel by miR-181a contributes to the fetal and neonatal nicotine-mediated exaggerated coronary vascular tone in adult life. International Journal of Cardiology, 2019, 281, 82-89.	1.7	14
17	Pregnancy Increases Ca ²⁺ Sparks/Spontaneous Transient Outward Currents and Reduces Uterine Arterial Myogenic Tone. Hypertension, 2019, 73, 691-702.	2.7	21
18	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.	6.4	39

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19	Impact of moderate- and high-intensity exercise on the endothelial ultrastructure and function in mesenteric arteries from hypertensive rats. Life Sciences, 2019, 222, 36-45.	4.3	16
20	Paternal hyperglycemia induces transgenerational inheritance of susceptibility to hepatic steatosis in rats involving altered methylation on PparÎ± promoter. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 147-160.	3.8	13
21	Effects of Estrogen in Gender-dependent Fetal Programming of Adult Cardiovascular Dysfunction. Current Vascular Pharmacology, 2019, 17, 147-152.	1.7	6
22	Aerobic exercise enhanced endothelium-dependent vasorelaxation in mesenteric arteries in spontaneously hypertensive rats: the role of melatonin. Hypertension Research, 2018, 41, 718-729.	2.7	24
23	A novel rodent model of pregnancy complications associated with genetically determined angiotensin-converting enzyme (ACE) activity. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E52-E62.	3.5	6
24	Repression of the Glucocorticoid Receptor Aggravates Acute Ischemic Brain Injuries in Adult Mice. International Journal of Molecular Sciences, 2018, 19, 2428.	4.1	16
25	Inhibition of DNA Methylation in the Developing Rat Brain Disrupts Sexually Dimorphic Neurobehavioral Phenotypes in Adulthood. Molecular Neurobiology, 2017, 54, 3988-3999.	4.0	21
26	Pregnancy Reprograms Large-Conductance Ca ²⁺ -Activated K ⁺ Channel in Uterine Arteries. Hypertension, 2017, 69, 1181-1191.	2.7	31
27	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.	2.7	34
28	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.	2.7	25
29	Inhibition of miRNA-210 reverses nicotine-induced brain hypoxic-ischemic injury in neonatal rats. International Journal of Biological Sciences, 2017, 13, 76-84.	6.4	29
30	Neonatal Lipopolysaccharide Exposure Gender-Dependently Increases Heart Susceptibility to Ischemia/Reperfusion Injury in Male Rats. International Journal of Medical Sciences, 2017, 14, 1163-1172.	2.5	8
31	Role of DNA methylation in perinatal nicotine-induced development of heart ischemia-sensitive phenotype in rat offspring. Oncotarget, 2017, 8, 76865-76880.	1.8	19
32	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.	2.9	20
33	Î³-Aminobutyric Acid Is Synthesized and Released by the Endothelium. Circulation Research, 2016, 119, 621-634.	4.5	31
34	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.	1.9	32
35	Fetal stress-mediated hypomethylation increases the brain susceptibility to hypoxicâ€“ischemic injury in neonatal rats. Experimental Neurology, 2016, 275, 1-10.	4.1	13
36	Protective Effect of Antenatal Antioxidant on Nicotine-Induced Heart Ischemia-Sensitive Phenotype in Rat Offspring. PLoS ONE, 2016, 11, e0150557.	2.5	24

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37	Antenatal Antioxidant Prevents Nicotine-Mediated Hypertensive Response in Rat Adult Offspring1. Biology of Reproduction, 2015, 93, 66.	2.7	35
38	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.	2.7	22
39	Estrogen Regulates Angiotensin II Receptor Expression Patterns and Protects the Heart from Ischemic Injury in Female Rats1. Biology of Reproduction, 2015, 93, 6.	2.7	31
40	Antenatal Hypoxia Induces Programming of Reduced Arterial Blood Pressure Response in Female Rat Offspring: Role of Ovarian Function. PLoS ONE, 2014, 9, e98743.	2.5	13
41	Glucocorticoid Modulates Angiotensin II Receptor Expression Patterns and Protects the Heart from Ischemia and Reperfusion Injury. PLoS ONE, 2014, 9, e106827.	2.5	31
42	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.	2.5	26
43	Endothelin-1 Promotes Cardiomyocyte Terminal Differentiation in the Developing Heart via Heightened DNA Methylation. International Journal of Medical Sciences, 2014, 11, 373-380.	2.5	33
44	Inhibition of DNA methylation reverses norepinephrine-induced cardiac hypertrophy in rats. Cardiovascular Research, 2014, 101, 373-382.	3.8	102
45	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.	2.7	24
46	Perinatal Nicotine Exposure Increases Angiotensin II Receptor-Mediated Vascular Contractility in Adult Offspring. PLoS ONE, 2014, 9, e108161.	2.5	38
47	Promoter methylation represses AT2R gene and increases brain hypoxicâ€“ischemic injury in neonatal rats. Neurobiology of Disease, 2013, 60, 32-38.	4.4	38
48	Chronic Hypoxia Inhibits Pregnancy-Induced Upregulation of SK _{Ca} Channel Expression and Function in Uterine Arteries. Hypertension, 2013, 62, 367-374.	2.7	30
49	Estrogen Normalizes Perinatal Nicotineâ€“Induced Hypertensive Responses in Adult Female Rat Offspring. Hypertension, 2013, 61, 1246-1254.	2.7	35
50	Gestational Hypoxia Induces Preeclampsia-Like Symptoms via Heightened Endothelin-1 Signaling in Pregnant Rats. Hypertension, 2013, 62, 599-607.	2.7	85
51	Chronic Hypoxia during Gestation Enhances Uterine Arterial Myogenic Tone via Heightened Oxidative Stress. PLoS ONE, 2013, 8, e73731.	2.5	35
52	Potassium Channels and Uterine Vascular Adaptation to Pregnancy and Chronic Hypoxia. Current Vascular Pharmacology, 2013, 11, 737-747.	1.7	19
53	Chronic Hypoxia Differentially Up-Regulates Protein Kinase C-Mediated Ovine Uterine Arterial Contraction via Actin Polymerization Signaling in Pregnancy1. Biology of Reproduction, 2012, 87, 142.	2.7	11
54	Chronic Hypoxia Suppresses Pregnancy-Induced Upregulation of Large-Conductance Ca ²⁺ -Activated K ⁺ Channel Activity in Uterine Arteries. Hypertension, 2012, 60, 214-222.	2.7	46

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55	Perinatal Nicotine Exposure Increases Vulnerability of Hypoxicâ€“Ischemic Brain Injury in Neonatal Rats. Stroke, 2012, 43, 2483-2490.	2.0	66
56	Norepinephrine causes epigenetic repression of PKCÎµ gene in rodent hearts by activating Nox1â€dependent reactive oxygen species production. FASEB Journal, 2012, 26, 2753-2763.	0.5	63
57	Developmental nicotine exposure results in programming of alveolar simplification and interstitial pulmonary fibrosis in adult male rats. Reproductive Toxicology, 2012, 34, 370-377.	2.9	23
58	Hypoxia-derived oxidative stress mediates epigenetic repression of PKCÉ› gene in foetal rat hearts. Cardiovascular Research, 2012, 93, 302-310.	3.8	77
59	Antenatal nicotine exposure results in programming of aberrant alveolar development and interstitial pulmonary fibrosis in adult male rats. FASEB Journal, 2012, 26, 698.10.	0.5	0
60	Pregnancy Upregulates Large-Conductance Ca ²⁺ -Activated K ⁺ Channel Activity and Attenuates Myogenic Tone in Uterine Arteries. Hypertension, 2011, 58, 1132-1139.	2.7	77
61	Antenatal nicotine induces heightened oxidative stress and vascular dysfunction in rat offspring. British Journal of Pharmacology, 2011, 164, 1400-1409.	5.4	70
62	Foetal nicotine exposure causes PKCÎµ gene repression by promoter methylation in rat hearts. Cardiovascular Research, 2011, 89, 89-97.	3.8	54
63	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.	1.3	19
64	Chronic Hypoxia Inhibits Sex Steroid Hormone-Mediated Attenuation of Ovine Uterine Arterial Myogenic Tone in Pregnancy. Hypertension, 2010, 56, 750-757.	2.7	37
65	Chronic Prenatal Hypoxia Induces Epigenetic Programming of PKCÎµ Gene Repression in Rat Hearts. Circulation Research, 2010, 107, 365-373.	4.5	152
66	Pregnancy Downregulates Actin Polymerization and Pressure-Dependent Myogenic Tone in Ovine Uterine Arteries. Hypertension, 2010, 56, 1009-1015.	2.7	15
67	PKC Regulates Î±₁-Adrenoceptor-Mediated Contractions and Baseline Ca²⁺ Sensitivity in the Uterine Arteries of Nonpregnant and Pregnant Sheep Acclimatized to High Altitude Hypoxia. High Altitude Medicine and Biology, 2010, 11, 153-161.	0.9	4
68	In Utero Exposure to Nicotine Reduces PKC epsilon Gene Expression in the Fetal Rat Heart. FASEB Journal, 2010, 24, .	0.5	0
69	Role of sex steroids in the regulation of the UA myogenic tone during pregnancy at highâ€altitude. FASEB Journal, 2010, 24, 575.5.	0.5	0
70	Prenatal Cocaine Exposure Causes Sex-Dependent Impairment in the Myogenic Reactivity of Coronary Arteries in Adult Offspring. Hypertension, 2009, 54, 1123-1128.	2.7	12
71	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.	3.2	33
72	Direct Chronic Effect of Steroid Hormones in Attenuating Uterine Arterial Myogenic Tone. Hypertension, 2009, 54, 352-358.	2.7	34

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73	Prenatal Cocaine Exposure Differentially Causes Vascular Dysfunction in Adult Offspring. Hypertension, 2009, 53, 937-943.	2.7	30
74	The effect of fetal and neonatal nicotine exposure on renal development of AT1 and AT2 receptors. Reproductive Toxicology, 2009, 27, 149-154.	2.9	31
75	Perinatal nicotine exposure alters AT1 and AT2 receptor expression pattern in the brain of fetal and offspring rats. Brain Research, 2008, 1243, 47-52.	2.2	15
76	Effect of cGMP on Pharmacomechanical Coupling in the Uterine Artery of Near-Term Pregnant Sheep. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 425-431.	2.5	4
77	Prenatal Gender-Related Nicotine Exposure Increases Blood Pressure Response to Angiotensin II in Adult Offspring. Hypertension, 2008, 51, 1239-1247.	2.7	115
78	Prenatal Nicotine Exposure Increases Heart Susceptibility to Ischemia/Reperfusion Injury in Adult Offspring. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 331-341.	2.5	88
79	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.	2.5	34
80	Direct Effects of Nicotine on Contractility of the Uterine Artery in Pregnancy. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 180-185.	2.5	48
81	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.	2.5	64
82	Effect of nicotine on uterine artery contractility. FASEB Journal, 2007, 21, A902.	0.5	0
83	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.	3.2	49
84	Regulation of baseline Ca2+ sensitivity in permeabilized uterine arteries: effect of pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H413-H420.	3.2	10
85	Regulation of Î±1-adrenoceptor-mediated contractions of uterine arteries by PKC: effect of pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2282-H2289.	3.2	13
86	Effect of prenatal nicotine exposure on heart development. FASEB Journal, 2006, 20, A233.	0.5	0
87	Pregnancy downâ€regulates MLCâ€p independent signal pathway in uterine artery. FASEB Journal, 2006, 20, A822.	0.5	0
88	Effect of chronic nicotine treatment on a1â€adrenoceptorâ€mediated contraction and eNOS protein levels in pregnant uterine artery. FASEB Journal, 2006, 20, A661.	0.5	1
89	Adaptation of uterine artery thick- and thin-filament regulatory pathways to pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H142-H148.	3.2	17
90	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.	3.2	30

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91	Cortisol-mediated regulation of uterine artery contractility: effect of chronic hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H716-H722.	3.2	7
92	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.	3.2	25
93	Calcium Homeostasis and Contraction of the Uterine Artery: Effect of Pregnancy and Chronic Hypoxia1. Biology of Reproduction, 2004, 70, 1171-1177.	2.7	19
94	Effect of cortisol on norepinephrine-mediated contractions in ovine uterine arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H1142-H1151.	3.2	18
95	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.	3.2	45
96	Cortisol-mediated potentiation of uterine artery contractility: effect of pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H238-H246.	3.2	18
97	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.	3.2	32
98	Upregulation of eNOS in pregnant ovine uterine arteries by chronic hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H812-H820.	3.2	52
99	Maternal Cocaine Administration During Pregnancy Induces Apoptosis in Fetal Rat Heart. Journal of Cardiovascular Pharmacology, 2001, 37, 639-648.	1.9	33
100	Chronic Hypoxia and Developmental Regulation of Cytochrome C Expression in Rats. Journal of the Society for Gynecologic Investigation, 2000, 7, 279-283.	1.7	24
101	Chronic hypoxia and developmental regulation of cytochrome c expression in rats. Journal of the Society for Gynecologic Investigation, 2000, 7, 279-283.	1.7	12
102	Endothelial nitric oxide release in isolated perfused ovine uterine arteries: effect of pregnancy. European Journal of Pharmacology, 1999, 367, 223-230.	3.5	38
103	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.	1.3	23
104	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.	3.2	24
105	Cardiovascular Adaptation to High-Altitude Hypoxia. , 0, , .		4