Mary Jane Black

List of Publications by Year
in descending order

98 papers	4,089 citations	94381 37 h-index	128225 60 g-index
99 all docs	99 docs citations	99 times ranked	4316 citing authors

#	Article	IF	Citations
1	Intrauterine inflammation exacerbates maladaptive remodeling of the immature myocardium after preterm birth in lambs. Pediatric Research, 2022, 92, 1555-1565.	1.1	6
2	Microarchitecture of the hearts in term and formerâ€preterm lambs using diffusion tensor imaging. Anatomical Record, 2021, 304, 803-817.	0.8	5
3	Preterm Birth With Neonatal Interventions Accelerates Collagen Deposition in the Left Ventricle of Lambs Without Affecting Cardiomyocyte Development. CJC Open, 2021, 3, 574-584.	0.7	5
4	Effect of Preterm Birth on Cardiac and Cardiomyocyte Growth and the Consequences of Antenatal and Postnatal Glucocorticoid Treatment. Journal of Clinical Medicine, 2021, 10, 3896.	1.0	17
5	Podocyte endowment and the impact of adult body size on kidney health. American Journal of Physiology - Renal Physiology, 2021, 321, F322-F334.	1.3	10
6	Filtering the good from the bad: A focus on kidney development and disease to celebrate John Bertram's longâ€standing career in anatomy and renal research. Anatomical Record, 2020, 303, 2511-2515.	0.8	1
7	Early impact of moderate preterm birth on the structure, function and gene expression of conduit arteries. Experimental Physiology, 2020, 105, 1256-1267.	0.9	1
8	Induction of left ventricular hypoplasia by occluding the foramen ovale in the fetal lamb. Scientific Reports, 2020, 10, 880.	1.6	14
9	A practical guide to the stereological assessment of glomerular number, size, and cellular composition. Anatomical Record, 2020, 303, 2679-2692.	0.8	5
10	Renal morphology and glomerular capillarisation in young adult sheep born moderately preterm. Journal of Developmental Origins of Health and Disease, 2020, , 1-7.	0.7	2
11	Renal dysfunction is already evident within the first month of life in Australian Indigenous infants born preterm. Kidney International, 2019, 96, 1205-1216.	2.6	6
12	Impact of Intrauterine Growth Restriction on the Capillarization of the Early Postnatal Rat Heart. Anatomical Record, 2019, 302, 1580-1586.	0.8	3
13	Structural, Functional and Gene Expression Analyses of the Aorta and Carotid Arteries in Newborn Term and Moderately Preterm Lambs. FASEB Journal, 2019, 33, 208.5.	0.2	0
14	Moderate preterm birth affects right ventricular structure and function and pulmonary artery blood flow in adult sheep. Journal of Physiology, 2018, 596, 5965-5975.	1.3	17
15	Maladaptive structural remodelling of the heart following preterm birth. Current Opinion in Physiology, 2018, 1, 89-94.	0.9	6
16	Development of the Human Fetal Kidney from Mid to Late Gestation in Male and Female Infants. EBioMedicine, 2018, 27, 275-283.	2.7	93
17	Impact of preterm birth on the developing myocardium of the neonate. Pediatric Research, 2018, 83, 880-888.	1.1	63
18	The effect of sex and prematurity on the cardiovascular baroreflex response in sheep. Experimental Physiology, 2018, 103, 9-18.	0.9	4

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19	Morphology and Function of the Lamb Ileum following Preterm Birth. Frontiers in Pediatrics, 2018, 6, 8.	0.9	7
20	Experimentally Induced Preterm Birth in Sheep Following a Clinical Course of Antenatal Betamethasone: Effects on Growth and Long-Term Survival. Reproductive Sciences, 2017, 24, 1203-1213.	1.1	11
21	Development of the Kidney. , 2017, , 953-964.e4.		5
22	The Human Kidney. , 2016, , 27-40.		21
23	The effects of preterm birth and its antecedents on the cardiovascular system. Acta Obstetricia Et Gynecologica Scandinavica, 2016, 95, 652-663.	1.3	48
24	Three-dimensional direct measurement of cardiomyocyte volume, nuclearity, and ploidy in thick histological sections. Scientific Reports, 2016, 6, 23756.	1.6	92
25	Effects of preterm birth and ventilation on glomerular capillary growth in the neonatal lamb kidney. Journal of Hypertension, 2016, 34, 1988-1997.	0.3	16
26	Accelerated age-related decline in renal and vascular function in female rats following early-life growth restriction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1153-R1161.	0.9	28
27	Developmental Programming of Cardiovascular Disease Following Intrauterine Growth Restriction: Findings Utilising A Rat Model of Maternal Protein Restriction. Nutrients, 2015, 7, 119-152.	1.7	70
28	Importance of Tissue Preparation Methods in FTIR Micro-Spectroscopical Analysis of Biological Tissues: â€˜Traps for New Usersâ€™. PLoS ONE, 2015, 10, e0116491.	1.1	102
29	When early life growth restriction in rats is followed by attenuated postnatal growth: effects on cardiac function in adulthood. European Journal of Nutrition, 2015, 54, 743-750.	1.8	7
30	Impaired myocardial development resulting in neonatal cardiac hypoplasia alters postnatal growth and stress response in the heart. Cardiovascular Research, 2015, 106, 43-54.	1.8	22
31	Exposure to intrauterine inflammation leads to impaired function and altered structure in the preterm heart of fetal sheep. Clinical Science, 2014, 127, 559-569.	1.8	25
32	Low-dose maternal alcohol consumption: effects in the hearts of offspring in early life and adulthood. Physiological Reports, 2014, 2, e12087.	0.7	24
33	Assessment of renal functional maturation and injury in preterm neonates during the first month of life. American Journal of Physiology - Renal Physiology, 2014, 307, F149-F158.	1.3	100
34	Long-Term Renal Consequences of Preterm Birth. Clinics in Perinatology, 2014, 41, 561-573.	0.8	25
35	Vitamin D Deficiency in Early Life and the Potential Programming of Cardiovascular Disease in Adulthood. Journal of Cardiovascular Translational Research, 2013, 6, 588-603.	1.1	20
36	Evidence of altered biochemical composition in the hearts of adult intrauterine growth-restricted rats. European Journal of Nutrition, 2013, 52, 749-758.	1.8	13

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37	When birth comes early: Effects on nephrogenesis. Nephrology, 2013, 18, 180-182.	0.7	64
38	Reduced microvascular density in non-ischemic myocardium of patients with recent non-ST-segment-elevation myocardial infarction. International Journal of Cardiology, 2013, 167, 1027-1037.	0.8	21
39	Neonatal hyperoxia: effects on nephrogenesis and long-term glomerular structure. American Journal of Physiology - Renal Physiology, 2013, 304, F1308-F1316.	1.3	37
40	The Consequences of Chorioamnionitis: Preterm Birth and Effects on Development. Journal of Pregnancy, 2013, 2013, 1-11.	1.1	208
41	Chronic intrauterine exposure to endotoxin does not alter fetal nephron number or glomerular size. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 789-794.	0.9	9
42	Intrauterine inflammation alters cardiopulmonary and cerebral haemodynamics at birth in preterm lambs. Journal of Physiology, 2013, 591, 2127-2137.	1.3	22
43	Obesity Is Associated with Lower Coronary Microvascular Density. PLoS ONE, 2013, 8, e81798.	1.1	45
44	Prenatal Exposure to Dexamethasone in the Mouse Alters Cardiac Growth Patterns and Increases Pulse Pressure in Aged Male Offspring. PLoS ONE, 2013, 8, e69149.	1.1	36
45	Low Birth Weight due to Intrauterine Growth Restriction and/or Preterm Birth: Effects on Nephron Number and Long-Term Renal Health. International Journal of Nephrology, 2012, 2012, 1-13.	0.7	73
46	Normal lactational environment restores cardiomyocyte number after uteroplacental insufficiency: implications for the preterm neonate. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1101-R1110.	0.9	42
47	Preterm birth with antenatal corticosteroid administration has injurious and persistent effects on the structure and composition of the aorta and pulmonary artery. Pediatric Research, 2012, 71, 150-155.	1.1	18
48	Intrauterine growth restriction coupled with hyperglycemia: effects on cardiac structure in adult rats. Pediatric Research, 2012, 72, 344-351.	1.1	14
49	Influence of Angiotensin II Subtype 2 Receptor (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 282 Td (xmlns:mml="http://w Antagonist, PD123319, on Cardiovascular Remodelling of Aged Spontaneously Hypertensive Rats during		

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55	IUGR in the Absence of Postnatal â€œCatch-Upâ€•Growth Leads to Improved Whole Body Insulin Sensitivity in Rat Offspring. Pediatric Research, 2011, 70, 339-344.	1.1	40
56	Accelerated Maturation and Abnormal Morphology in the Preterm Neonatal Kidney. Journal of the American Society of Nephrology: JASN, 2011, 22, 1365-1374.	3.0	267
57	Elevated vascular resistance and afterload reduce the cardiac output response to dobutamine in early growth-restricted rats in adulthood. British Journal of Nutrition, 2011, 106, 1374-1382.	1.2	11
58	Stereological Assessment of Renal Development in a Baboon Model of Preterm Birth. American Journal of Nephrology, 2011, 33, 25-33.	1.4	55
59	Preterm Birth and the Kidney: Implications for Long-Term Renal Health. Reproductive Sciences, 2011, 18, 322-333.	1.1	61
60	Induction of hyperglycemia in adult intrauterine growth-restricted rats: effects on renal function. American Journal of Physiology - Renal Physiology, 2011, 301, F288-F294.	1.3	14
61	Alcohol exposure during late gestation adversely affects myocardial development with implications for postnatal cardiac function. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H645-H651.	1.5	29
62	Effect of Maternal Protein Restriction During Pregnancy and Lactation on the Number of Cardiomyocytes in the Postproliferative Weanling Rat Heart. Anatomical Record, 2010, 293, 431-437.	0.8	39
63	Cardiac remodelling as a result of pre-term birth: implications for future cardiovascular disease. European Heart Journal, 2010, 31, 2058-2066.	1.0	140
64	Chronic type 1 diabetes in spontaneously hypertensive rats leads to exacerbated cardiac fibrosis. Cardiovascular Pathology, 2010, 19, 361-370.	0.7	15
65	Maternal Vitamin D Deficiency Leads to Cardiac Hypertrophy in Rat Offspring. Reproductive Sciences, 2010, 17, 168-176.	1.1	37
66	The Effects of Postnatal Retinoic Acid Administration on Nephron Endowment in the Preterm Baboon Kidney. Pediatric Research, 2009, 65, 397-402.	1.1	35
67	Is nephrogenesis affected by preterm birth? Studies in a non-human primate model. American Journal of Physiology - Renal Physiology, 2009, 297, F1668-F1677.	1.3	117
68	The Influence of Naturally Occurring Differences in Birthweight on Ventricular Cardiomyocyte Number in Sheep. Anatomical Record, 2009, 292, 29-37.	0.8	33
69	Vitamin D deficiency during pregnancy and lactation stimulates nephrogenesis in rat offspring. Pediatric Nephrology, 2008, 23, 55-61.	0.9	49
70	Immunohistochemical localisation of TRA-1-60, TRA-1-81, GCTM-2 and podocalyxin in the developing baboon kidney. Histochemistry and Cell Biology, 2008, 129, 651-657.	0.8	5
71	Factors Influencing Mammalian Kidney Development: Implications for Health in Adult Life. Advances in Anatomy, Embryology and Cell Biology, 2008, 196, 1-78.	1.0	63
72	Nephrogenesis and the renal renin-angiotensin system in fetal sheep: effects of intrauterine growth restriction during late gestation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1267-R1273.	0.9	46

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73	Intrauterine growth restriction delays cardiomyocyte maturation and alters coronary artery function in the fetal sheep. Journal of Physiology, 2007, 578, 871-881.	1.3	124
74	Retinoic acid enhances nephron endowment in rats exposed to maternal protein restriction. Pediatric Nephrology, 2007, 22, 1861-1867.	0.9	53
75	The combination of high dietary methionine plus cholesterol induces myocardial fibrosis in rabbits. Atherosclerosis, 2006, 185, 278-281.	0.4	11
76	Effect of Maternal Protein Restriction in Rats on Cardiac Fibrosis and Capillarization in Adulthood. Pediatric Research, 2006, 60, 83-87.	1.1	55
77	Immunolocalization of ACE2 and AT2 Receptors in Rabbit Atherosclerotic Plaques. Journal of Histochemistry and Cytochemistry, 2006, 54, 147-150.	1.3	57
78	The Immunoquantification of Caveolin-1 and eNOS in Human and Rabbit Diseased Blood Vessels. Journal of Histochemistry and Cytochemistry, 2006, 54, 151-159.	1.3	30
79	CD34 Class III positive cells are present in atherosclerotic plaques of the rabbit model of atherosclerosis. Histochemistry and Cell Biology, 2005, 124, 517-522.	0.8	29
80	The Baboon as a Good Model for Studies of Human Kidney Development. Pediatric Research, 2005, 58, 505-509.	1.1	46
81	Effect of Intrauterine Growth Restriction on the Number of Cardiomyocytes in Rat Hearts. Pediatric Research, 2005, 57, 796-800.	1.1	151
82	The Angiotensin II Type 2 Receptor Causes Constitutive Growth of Cardiomyocytes and Does Not Antagonize Angiotensin II Type 1 Receptorâ€“Mediated Hypertrophy. Hypertension, 2005, 46, 1347-1354.	1.3	4
83	Nephron Endowment and Filtration Surface Area in the Kidney after Growth Restriction of Fetal Sheep. Pediatric Research, 2004, 55, 769-773.	1.1	64
84	Does a Nephron Deficit in Rats Predispose to Salt-Sensitive Hypertension?. Kidney and Blood Pressure Research, 2004, 27, 239-247.	0.9	50
85	Is there an association between level of adult blood pressure and nephron number or renal filtration surface area?. Kidney International, 2004, 65, 582-588.	2.6	48
86	Angiotensin AT receptor contributes to cardiovascular remodelling of aged rats during chronic AT receptor blockade. Journal of Molecular and Cellular Cardiology, 2004, 37, 1023-1030.	0.9	81
87	High dietary methionine plus cholesterol exacerbates atherosclerosis formation in the left main coronary artery of rabbits. Atherosclerosis, 2004, 176, 83-89.	0.4	33
88	High Methionine and Cholesterol Diet Abolishes Endothelial Relaxation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1358-1363.	1.1	48
89	Nephron Endowment and Renal Filtration Surface Area in Young Spontaneously Hypertensive Rats. Kidney and Blood Pressure Research, 2002, 25, 20-26.	0.9	14
90	Nephron number and blood pressure in rat offspring with maternal high-protein diet. Pediatric Nephrology, 2002, 17, 1000-1004.	0.9	22

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91	Effect of angiotensin-converting enzyme inhibition on myocardial vascularization in the adolescent and adult spontaneously hypertensive rat. Journal of Hypertension, 2001, 19, 785-794.	0.3	15
92	Effect of angiotensin-converting enzyme inhibition on renal filtration surface area in hypertensive rats. Kidney International, 2001, 60, 1837-1843.	2.6	18
93	Salt Induces Myocardial and Renal Fibrosis in Normotensive and Hypertensive Rats. Circulation, 1998, 98, 2621-2628.	1.6	313
94	Role of angiotensin II in early cardiovascular growth and vascular amplifier development in spontaneously hypertensive rats. Journal of Hypertension, 1997, 15, 945-954.	0.3	5
95	Vascular Growth Responses in SHR and WKY During Development of Renal (1K1C) Hypertension. American Journal of Hypertension, 1997, 10, 43-50.	1.0	5
96	CARDIAC HYPERTROPHY IN DIABETIC SPONTANEOUSLY HYPERTENSIVE RATS: ROLE OF ANGIOTENSIN II?. Clinical and Experimental Pharmacology and Physiology, 1997, 24, 445-448.	0.9	6
97	Angiotensin II induces cardiovascular hypertrophy in perindopril-treated rats. Journal of Hypertension, 1995, 13, 683-692.	0.3	36
98	Effect of enalapril on aortic smooth muscle cell polyploidy in the spontaneously hypertensive rat. Journal of Hypertension, 1989, 7, 997-1003.	0.3	32