Kimberley J Botting

List of Publications by Year
in descending order

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27 papers	1,083 citations	430874 18 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	3623 citing authors

#	Article	IF	Citations
1	Placental Adaptations in Growth Restriction. Nutrients, 2015, 7, 360-389.	4.1	171
2	Improving pregnancy outcomes in humans through studies in sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R1123-R1153.	1.8	111
3	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. Journal of Physiology, 2018, 596, 5535-5569.	2.9	105
4	Chronic Hypoxemia in Late Gestation Decreases Cardiomyocyte Number but Does Not Change Expression of Hypoxiaâ€Responsive Genes. Journal of the American Heart Association, 2014, 3, .	3.7	84
5	Fetal growth restriction and the programming of heart growth and cardiac insulinâ€like growth factor 2 expression in the lamb. Journal of Physiology, 2011, 589, 4709-4722.	2.9	70
6	Maternal undernutrition reduces P-glycoprotein in guinea pig placenta and developing brain in late gestation. Reproductive Toxicology, 2012, 33, 374-381.	2.9	64
7	Antenatal Steroids and the IUGR Fetus: Are Exposure and Physiological Effects on the Lung and Cardiovascular System the Same as in Normally Grown Fetuses?. Journal of Pregnancy, 2012, 2012, 1-15.	2.4	58
8	Near to One's Heart: The Intimate Relationship Between the Placenta and Fetal Heart. Frontiers in Physiology, 2018, 9, 629.	2.8	52
9	Melatonin modulates the fetal cardiovascular defense response to acute hypoxia. Journal of Pineal Research, 2015, 59, 80-90.	7.4	41
10	Early restriction of placental growth results in placental structural and gene expression changes in late gestation independent of fetal hypoxemia. Physiological Reports, 2016, 4, e13049.	1.7	34
11	The Periconceptional Environment and Cardiovascular Disease: Does In Vitro Embryo Culture and Transfer Influence Cardiovascular Development and Health?. Nutrients, 2015, 7, 1378-1425.	4.1	32
12	The role of miRNA regulation in fetal cardiomyocytes, cardiac maturation and the risk of heart disease in adults. Journal of Physiology, 2018, 596, 5625-5640.	2.9	32
13	Noninvasive high-intensity focused ultrasound treatment of twin-twin transfusion syndrome: A preliminary in vivo study. Science Translational Medicine, 2016, 8, 347ra95.	12.4	28
14	Early origins of heart disease: Low birth weight and the role of the insulinâ€like growth factor system in cardiac hypertrophy. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 958-964.	1.9	25
15	Increased lung prolyl hydroxylase and decreased glucocorticoid receptor are related to decreased surfactant protein in the growth-restricted sheep fetus. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L84-L97.	2.9	25
16	Adverse Intrauterine Environment and Cardiac miRNA Expression. International Journal of Molecular Sciences, 2017, 18, 2628.	4.1	24
17	IGF-2R-Mediated Signaling Results in Hypertrophy of Cultured Cardiomyocytes from Fetal Sheep1. Biology of Reproduction, 2012, 86, 183.	2.7	23
18	Low birth weight activates the renin-angiotensin system, but limits cardiac angiogenesis in early postnatal life. Physiological Reports, 2015, 3, e12270.	1.7	20

#	Article	IF	Citations
19	Akt signaling as a mediator of cardiac adaptation to low birth weight. Journal of Endocrinology, 2017, 233, R81-R94.	2.6	18
20	Regulation of microRNA during cardiomyocyte maturation in sheep. BMC Genomics, 2015, 16, 541.	2.8	17
21	Exposure to rosiglitazone, a PPAR-Î³ agonist, in late gestation reduces the abundance of factors regulating cardiac metabolism and cardiomyocyte size in the sheep fetus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R429-R437.	1.8	15
22	Trans-abdominal in vivo placental vessel occlusion using High Intensity Focused Ultrasound. Scientific Reports, 2018, 8, 13631.	3.3	10
23	Effects of Maternal Hypoxia during Pregnancy on Bone Development in Offspring: A Guinea Pig Model. International Journal of Endocrinology, 2014, 2014, 1-12.	1.5	8
24	Maternal and fetal cardiometabolic recovery following ultrasound-guided high-intensity focused ultrasound placental vascular occlusion. Journal of the Royal Society Interface, 2019, 16, 20190013.	3.4	8
25	Isolating adverse effects of glucocorticoids on the embryonic cardiovascular system. FASEB Journal, 2020, 34, 9664-9677.	0.5	8
26	Does a growth-restricted fetus have fewer cardiomyocytes than a normally grown fetus?. Expert Review of Obstetrics and Gynecology, 2012, 7, 301-303.	0.4	0
27	At the heart of accelerated old matter. Journal of Physiology, 2017, 595, 1009-1010.	2.9	0