

Kimberley J Botting

List of Publications by Year in descending order

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Version: 2024-02-01

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	Isolating adverse effects of glucocorticoids on the embryonic cardiovascular system. <i>FASEB Journal</i> , 2020, 34, 9664-9677.	0.5	8
2	Maternal and fetal cardiometabolic recovery following ultrasound-guided high-intensity focused ultrasound placental vascular occlusion. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190013.	3.4	8
3	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. <i>Journal of Physiology</i> , 2018, 596, 5535-5569.	2.9	105
4	Improving pregnancy outcomes in humans through studies in sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1123-R1153.	1.8	111
5	Trans-abdominal in vivo placental vessel occlusion using High Intensity Focused Ultrasound. <i>Scientific Reports</i> , 2018, 8, 13631.	3.3	10
6	The role of miRNA regulation in fetal cardiomyocytes, cardiac maturation and the risk of heart disease in adults. <i>Journal of Physiology</i> , 2018, 596, 5625-5640.	2.9	32
7	Near to One's Heart: The Intimate Relationship Between the Placenta and Fetal Heart. <i>Frontiers in Physiology</i> , 2018, 9, 629.	2.8	52
8	Akt signaling as a mediator of cardiac adaptation to low birth weight. <i>Journal of Endocrinology</i> , 2017, 233, R81-R94.	2.6	18
9	At the heart of accelerated old matter. <i>Journal of Physiology</i> , 2017, 595, 1009-1010.	2.9	0
10	Adverse Intrauterine Environment and Cardiac miRNA Expression. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2628.	4.1	24
11	Early restriction of placental growth results in placental structural and gene expression changes in late gestation independent of fetal hypoxemia. <i>Physiological Reports</i> , 2016, 4, e13049.	1.7	34
12	Noninvasive high-intensity focused ultrasound treatment of twin-twin transfusion syndrome: A preliminary in vivo study. <i>Science Translational Medicine</i> , 2016, 8, 347ra95.	12.4	28
13	Melatonin modulates the fetal cardiovascular defense response to acute hypoxia. <i>Journal of Pineal Research</i> , 2015, 59, 80-90.	7.4	41
14	Placental Adaptations in Growth Restriction. <i>Nutrients</i> , 2015, 7, 360-389.	4.1	171
15	The Periconceptional Environment and Cardiovascular Disease: Does In Vitro Embryo Culture and Transfer Influence Cardiovascular Development and Health?. <i>Nutrients</i> , 2015, 7, 1378-1425.	4.1	32
16	Low birth weight activates the renin-angiotensin system, but limits cardiac angiogenesis in early postnatal life. <i>Physiological Reports</i> , 2015, 3, e12270.	1.7	20
17	Increased lung prolyl hydroxylase and decreased glucocorticoid receptor are related to decreased surfactant protein in the growth-restricted sheep fetus. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L84-L97.	2.9	25
18	Regulation of microRNA during cardiomyocyte maturation in sheep. <i>BMC Genomics</i> , 2015, 16, 541.	2.8	17

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19	Effects of Maternal Hypoxia during Pregnancy on Bone Development in Offspring: A Guinea Pig Model. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-12.	1.5	8
20	Chronic Hypoxemia in Late Gestation Decreases Cardiomyocyte Number but Does Not Change Expression of Hypoxia-Responsive Genes. <i>Journal of the American Heart Association</i> , 2014, 3, .	3.7	84
21	Exposure to rosiglitazone, a PPAR- γ agonist, in late gestation reduces the abundance of factors regulating cardiac metabolism and cardiomyocyte size in the sheep fetus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R429-R437.	1.8	15
22	Antenatal Steroids and the IUGR Fetus: Are Exposure and Physiological Effects on the Lung and Cardiovascular System the Same as in Normally Grown Fetuses?. <i>Journal of Pregnancy</i> , 2012, 2012, 1-15.	2.4	58
23	IGF-2R-Mediated Signaling Results in Hypertrophy of Cultured Cardiomyocytes from Fetal Sheep ¹ . <i>Biology of Reproduction</i> , 2012, 86, 183.	2.7	23
24	Early origins of heart disease: Low birth weight and the role of the insulin-like growth factor system in cardiac hypertrophy. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 958-964.	1.9	25
25	Does a growth-restricted fetus have fewer cardiomyocytes than a normally grown fetus?. <i>Expert Review of Obstetrics and Gynecology</i> , 2012, 7, 301-303.	0.4	0
26	Maternal undernutrition reduces P-glycoprotein in guinea pig placenta and developing brain in late gestation. <i>Reproductive Toxicology</i> , 2012, 33, 374-381.	2.9	64
27	Fetal growth restriction and the programming of heart growth and cardiac insulin-like growth factor 2 expression in the lamb. <i>Journal of Physiology</i> , 2011, 589, 4709-4722.	2.9	70