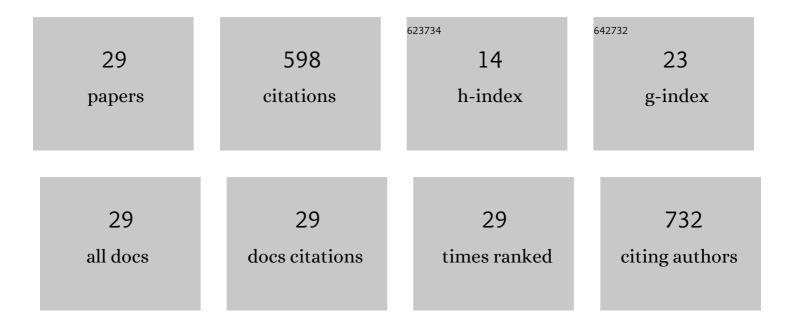
## Mitchell C Lock

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Maternal melatonin: Effective intervention against developmental programming of cardiovascular dysfunction in adult offspring of complicated pregnancy. Journal of Pineal Research, 2022, 72, e12766.	7.4	11
2	PPARÎ <sup>3</sup> activation in late gestation does not promote surfactant maturation in the fetal sheep lung. Journal of Developmental Origins of Health and Disease, 2021, 12, 963-974.	1.4	3
3	Impact of resveratrolâ€mediated increase in uterine artery blood flow on fetal haemodynamics, blood pressure and oxygenation in sheep. Experimental Physiology, 2021, 106, 1166-1180.	2.0	6
4	An MRI approach to assess placental function in healthy humans and sheep. Journal of Physiology, 2021, 599, 2573-2602.	2.9	16
5	Open or closed: Changes in ductus arteriosus flow patterns at birth using 4D flow MRI in newborn piglets. Physiological Reports, 2021, 9, e14999.	1.7	3
6	Impact of maternal late gestation undernutrition on surfactant maturation, pulmonary blood flow and oxygen delivery measured by magnetic resonance imaging in the sheep fetus. Journal of Physiology, 2021, 599, 4705-4724.	2.9	4
7	Intrauterine growth restriction alters the activity of drug metabolising enzymes in the maternal-placental-fetal unit. Life Sciences, 2021, 285, 120016.	4.3	6
8	Detecting metabolic differences in fetal and adult sheep adipose and skeletal muscle tissues. Journal of Biophotonics, 2020, 13, e201960085.	2.3	10
9	Normal human and sheep fetal vessel oxygen saturations by T2 magnetic resonance imaging. Journal of Physiology, 2020, 598, 3259-3281.	2.9	42
10	Technique for comprehensive fetal hepatic blood flow assessment in sheep using 4D flow MRI. Journal of Physiology, 2020, 598, 3555-3567.	2.9	9
11	Identification of Novel miRNAs Involved in Cardiac Repair Following Infarction in Fetal and Adolescent Sheep Hearts. Frontiers in Physiology, 2020, 11, 614.	2.8	5
12	Differential gene responses 3 days following infarction in the fetal and adolescent sheep heart. Physiological Genomics, 2020, 52, 143-159.	2.3	4
13	Feasibility of ventricular volumetry by cardiovascular MRI to assess cardiac function in the fetal sheep. Journal of Physiology, 2020, 598, 2557-2573.	2.9	16
14	Feasibility of phase-contrast cine magnetic resonance imaging for measuring blood flow in the sheep fetus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R780-R792.	1.8	24
15	Placental glucocorticoid receptor isoforms in a sheep model of maternal allergic asthma. Placenta, 2019, 83, 33-36.	1.5	12
16	Subcutaneous maternal resveratrol treatment increases uterine artery blood flow in the pregnant ewe and increases fetal but not cardiac growth. Journal of Physiology, 2019, 597, 5063-5077.	2.9	23
17	Fetal hemodynamics and cardiac streaming assessed by 4D flow cardiovascular magnetic resonance in fetal sheep. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 8.	3.3	47
18	Differential Response to Injury in Fetal and Adolescent Sheep Hearts in the Immediate Post-myocardial Infarction Period. Frontiers in Physiology, 2019, 10, 208.	2.8	17

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19	Labelâ€free imaging of healthy and infarcted fetal sheep hearts by twoâ€photon microscopy. Journal of Biophotonics, 2018, 11, e201600296.	2.3	6
20	Labelâ€free imaging of redox status and collagen deposition showing metabolic differences in the heart. Journal of Biophotonics, 2018, 11, e201700242.	2.3	6
21	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
22	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
23	Mitochondrial imaging in live or fixed tissues using a luminescent iridium complex. Scientific Reports, 2018, 8, 8191.	3.3	29
24	Differential effects of late gestation maternal overnutrition on the regulation of surfactant maturation in fetal and postnatal life. Journal of Physiology, 2017, 595, 6635-6652.	2.9	16
25	Maternal obesity mediated predisposition to respiratory complications at birth and in later life: understanding the implications of the obesogenic intrauterine environment. Paediatric Respiratory Reviews, 2017, 21, 11-18.	1.8	31
26	Adverse Intrauterine Environment and Cardiac miRNA Expression. International Journal of Molecular Sciences, 2017, 18, 2628.	4.1	24
27	Feasibility of detecting myocardial infarction in the sheep fetus using late gadolinium enhancement CMR imaging. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 69.	3.3	29
28	Mature Surfactant Protein-B Expression by Immunohistochemistry as a Marker for Surfactant System Development in the Fetal Sheep Lung. Journal of Histochemistry and Cytochemistry, 2015, 63, 866-878.	2.5	17
29	Regulation of fetal lung development in response to maternal overnutrition. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 803-816.	1.9	39