

Brahmdeep Singh Saini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8747264/publications.pdf>

Version: 2024-02-01

19
papers

336
citations

1040056
9
h-index

888059
17
g-index

19
all docs

19
docs citations

19
times ranked

414
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerebral oxygen delivery is reduced in newborns with congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 1095-1103.	0.8	67
2	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
3	Normal human and sheep fetal vessel oxygen saturations by T2 magnetic resonance imaging. Journal of Physiology, 2020, 598, 3259-3281.	2.9	42
4	Understanding Fetal Hemodynamics Using Cardiovascular Magnetic Resonance Imaging. Fetal Diagnosis and Therapy, 2020, 47, 354-362.	1.4	26
5	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
6	MR imaging of the fetal heart. Journal of Magnetic Resonance Imaging, 2020, 51, 1030-1044.	3.4	16
7	Achieving sustained extrauterine life: Challenges of an artificial placenta in fetal pigs as a model of the preterm human fetus. Physiological Reports, 2021, 9, e14742.	1.7	16
8	An MRI approach to assess placental function in healthy humans and sheep. Journal of Physiology, 2021, 599, 2573-2602.	2.9	16
9	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
10	Uterine artery and umbilical vein blood flow are unaffected by moderate habitual physical activity during pregnancy. Prenatal Diagnosis, 2019, 39, 976-985.	2.3	10
11	Umbilical vein infusion of prostaglandin I ₂ increases ductus venosus shunting of oxygen-rich blood but does not increase cerebral oxygen delivery in the fetal sheep. Journal of Physiology, 2020, 598, 4957-4967.	2.9	10
12	Technique for comprehensive fetal hepatic blood flow assessment in sheep using 4D flow MRI. Journal of Physiology, 2020, 598, 3555-3567.	2.9	9
13	Redox ratio in the left ventricle of the growth restricted fetus is positively correlated with cardiac output. Journal of Biophotonics, 2021, 14, e202100157.	2.3	9
14	Impact of resveratrol-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
15	Intrauterine growth restriction alters the activity of drug metabolising enzymes in the maternal-placental-fetal unit. Life Sciences, 2021, 285, 120016.	4.3	6
16	Gas Exchange across the Placenta. , 2020, , 34-56.		5
17	Maternal and Fetal Hemodynamic Adaptations to Pregnancy and Clinical Outcomes in Maternal Cardiac Disease. Canadian Journal of Cardiology, 2021, 37, 1942-1950.	1.7	5
18	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

#	ARTICLE	IF	CITATIONS
19	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