

Brahmdeep Singh Saini

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

336
citations

1039406

9
h-index

887659

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. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1095-1103.	0.4	67
2	Fetal hemodynamics and cardiac streaming assessed by 4D flow cardiovascular magnetic resonance in fetal sheep. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 8.	1.6	47
3	Normal human and sheep fetal vessel oxygen saturations by T2 magnetic resonance imaging. <i>Journal of Physiology</i> , 2020, 598, 3259-3281.	1.3	42
4	Understanding Fetal Hemodynamics Using Cardiovascular Magnetic Resonance Imaging. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 354-362.	0.6	26
5	Subcutaneous maternal resveratrol treatment increases uterine artery blood flow in the pregnant ewe and increases fetal but not cardiac growth. <i>Journal of Physiology</i> , 2019, 597, 5063-5077.	1.3	23
6	MR imaging of the fetal heart. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1030-1044.	1.9	16
7	Achieving sustained extrauterine life: Challenges of an artificial placenta in fetal pigs as a model of the preterm human fetus. <i>Physiological Reports</i> , 2021, 9, e14742.	0.7	16
8	An MRI approach to assess placental function in healthy humans and sheep. <i>Journal of Physiology</i> , 2021, 599, 2573-2602.	1.3	16
9	Feasibility of ventricular volumetry by cardiovascular MRI to assess cardiac function in the fetal sheep. <i>Journal of Physiology</i> , 2020, 598, 2557-2573.	1.3	16
10	Uterine artery and umbilical vein blood flow are unaffected by moderate habitual physical activity during pregnancy. <i>Prenatal Diagnosis</i> , 2019, 39, 976-985.	1.1	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. <i>Journal of Physiology</i> , 2020, 598, 4957-4967.	1.3	10
12	Technique for comprehensive fetal hepatic blood flow assessment in sheep using 4D flow MRI. <i>Journal of Physiology</i> , 2020, 598, 3555-3567.	1.3	9
13	Redox ratio in the left ventricle of the growth restricted fetus is positively correlated with cardiac output. <i>Journal of Biophotonics</i> , 2021, 14, e202100157.	1.1	9
14	Impact of resveratrol-mediated increase in uterine artery blood flow on fetal haemodynamics, blood pressure and oxygenation in sheep. <i>Experimental Physiology</i> , 2021, 106, 1166-1180.	0.9	6
15	Intrauterine growth restriction alters the activity of drug metabolising enzymes in the maternal-placental-fetal unit. <i>Life Sciences</i> , 2021, 285, 120016.	2.0	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. <i>Canadian Journal of Cardiology</i> , 2021, 37, 1942-1950.	0.8	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. <i>Journal of Physiology</i> , 2021, 599, 4705-4724.	1.3	4

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19	Open or closed: Changes in ductus arteriosus flow patterns at birth using 4D flow MRI in newborn piglets. <i>Physiological Reports</i> , 2021, 9, e14999.	0.7	3