# Dino A Giussani

## List of Publications by Year in Descending Order



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| 224 papers | 6,825 citations | 46 h-index | 70 g-index |
| 231 ext. papers | 7,533 ext. citations | 4.8 avg, IF | 5.99 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 224 | Vascular Disorders of Pregnancy Increase Susceptibility to Neonatal Pulmonary Hypertension in High-Altitude Populations.. *Hypertension*, **2022**, 101161HYPERTENSIONAHA12219078 | 8.5 | 1 |
| 223 | Chronic Hypoxia in Ovine Pregnancy Recapitulates Physiological and Molecular Markers of Preeclampsia in the Mother, Placenta, and Offspring.. *Hypertension*, **2022**, 101161HYPERTENSIONAHA12219175 | 8.5 | 1 |
| 222 | Breath of Life: Heart Disease Link to Developmental Hypoxia. *Circulation*, **2021**, 144, 1429-1443 | 16.7 | 7 |
| 221 | Maternal melatonin: Effective intervention against developmental programming of cardiovascular dysfunction in adult offspring of complicated pregnancy. *Journal of Pineal Research*, **2021**, 72, e12766 | 10.4 | 0 |
| 220 | Response: Fetal growth and spontaneous preterm birth in high-altitude pregnancy: A systematic review, meta-analysis, and meta-regression. *International Journal of Gynecology and Obstetrics*, **2021**, 155, 562 | 4 | |
| 219 | Noninvasive Biomarkers for Cardiovascular Dysfunction Programmed in Male Offspring of Adverse Pregnancy. *Hypertension*, **2021**, 78, 1818-1828 | 8.5 | 0 |
| 218 | Working towards precision medicine in developmental programming. *Pediatric Research*, **2021**, 89, 1606-1607 | 3.1 | |
| 217 | Mitochondria antioxidant protection against cardiovascular dysfunction programmed by early-onset gestational hypoxia. *FASEB Journal*, **2021**, 35, e21446 | 0.9 | 3 |
| 216 | Maternal antioxidant treatment protects adult offspring against memory loss and hippocampal atrophy in a rodent model of developmental hypoxia. *FASEB Journal*, **2021**, 35, e21477 | 0.9 | 3 |
| 215 | Endothelial cell regulation of systemic haemodynamics and metabolism acts through the HIF transcription factors. *Intensive Care Medicine Experimental*, **2021**, 9, 28 | 3.7 | 1 |
| 214 | Fetal growth and spontaneous preterm birth in high-altitude pregnancy: A systematic review, meta-analysis, and meta-regression. *International Journal of Gynecology and Obstetrics*, **2021**, | 4 | 3 |
| 213 | Neonatal glucocorticoid overexposure alters cardiovascular function in young adult horses in a sex-linked manner. *Journal of Developmental Origins of Health and Disease*, **2021**, 12, 309-318 | 2.4 | |
| 212 | Effects of Antenatal Betamethasone on Fetal Doppler Indices and Short Term Fetal Heart Rate Variation in Early Growth Restricted Fetuses. *Ultraschall in Der Medizin*, **2021**, 42, 56-64 | 3.8 | 3 |
| 211 | Heart during acidosis: Etiology and early detection of cardiac dysfunction. *EClinicalMedicine*, **2021**, 37, 100994 | 11.3 | |
| 210 | Blood pressure and hypertensive disorders of pregnancy at high altitude: a systematic review and meta-analysis. *American Journal of Obstetrics & Gynecology MFM*, **2021**, 3, 100400 | 7.4 | 3 |
| 209 | Protective effects of pravastatin on the embryonic cardiovascular system during hypoxic development. *FASEB Journal*, **2020**, 34, 16504-16515 | 0.9 | 4 |
| 208 | Hypertension Programmed in Adult Hens by Isolated Effects of Developmental Hypoxia In Ovo. *Hypertension*, **2020**, 76, 533-544 | 8.5 | 4 |

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| 207 | Impact of Chronic Fetal Hypoxia and Inflammation on Cardiac Pacemaker Cell Development. *Cells*, **2020**, 9, | 7.9 | 7 |
| 206 | Perinatal cardiopulmonary adaptation to the thin air of the Alto Andino by a native dweller, the llama. *Journal of Applied Physiology*, **2020**, 129, 152-161 | 3.7 | 2 |
| 205 | Detection and response to acute systemic hypoxia. *BJA Education*, **2020**, 20, 58-64 | 1.2 | 1 |
| 204 | First evidence that intrinsic fetal heart rate variability exists and is affected by hypoxic pregnancy. *Journal of Physiology*, **2020**, 598, 249-263 | 3.9 | 17 |
| 203 | Glucocorticoid Maturation of Fetal Cardiovascular Function. *Trends in Molecular Medicine*, **2020**, 26, 170-184 | 13.5 | 12 |
| 202 | Physiological development of the equine fetus during late gestation. *Equine Veterinary Journal*, **2020**, 52, 165-173 | 2.4 | 8 |
| 201 | Fetal Oxygen and Glucose Consumption in Human Pregnancy Complicated by Fetal Growth Restriction. *Hypertension*, **2020**, 75, 748-754 | 8.5 | 14 |
| 200 | Parental ancestry and risk of early pregnancy loss at high altitude. *FASEB Journal*, **2020**, 34, 13741-13749 | 0.9 | 4 |
| 199 | Maternal and fetal cardiovascular and metabolic effects of intra-operative uterine handling under general anesthesia during pregnancy in sheep. *Scientific Reports*, **2020**, 10, 10867 | 4.9 | 1 |
| 198 | Isolating adverse effects of glucocorticoids on the embryonic cardiovascular system. *FASEB Journal*, **2020**, 34, 9664-9677 | 0.9 | 3 |
| 197 | Embryonic cardioprotection by hydrogen sulphide: studies of isolated cardiac function and ischaemia-reperfusion injury in the chicken embryo. *Journal of Physiology*, **2020**, 598, 4197-4208 | 3.9 | 1 |
| 196 | Altered Cardiovascular Defense to Hypotensive Stress in the Chronically Hypoxic Fetus. *Hypertension*, **2020**, 76, 1195-1207 | 8.5 | 5 |
| 195 | Translatable mitochondria-targeted protection against programmed cardiovascular dysfunction. *Science Advances*, **2020**, 6, eabb1929 | 14.3 | 16 |
| 194 | Intervention against hypertension in the next generation programmed by developmental hypoxia. *PLoS Biology*, **2019**, 17, e2006552 | 9.7 | 31 |
| 193 | Scaling of cardiac morphology is interrupted by birth in the developing sheep Ovis aries. *Journal of Anatomy*, **2019**, 235, 96-105 | 2.9 | 2 |
| 192 | Maternal and fetal cardiometabolic recovery following ultrasound-guided high-intensity focused ultrasound placental vascular occlusion. *Journal of the Royal Society Interface*, **2019**, 16, 20190013 | 4.1 | 3 |
| 191 | Chronic gestational hypoxia accelerates ovarian aging and lowers ovarian reserve in next-generation adult rats. *FASEB Journal*, **2019**, 33, 7758-7766 | 0.9 | 8 |
| 190 | Chronic fetal hypoxia disrupts the peri-conceptual environment in next-generation adult female rats. *Journal of Physiology*, **2019**, 597, 2391-2401 | 3.9 | 5 |

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| 189 | Combined Antioxidant and Glucocorticoid Therapy for Safer Treatment of Preterm Birth. *Trends in Endocrinology and Metabolism*, **2019**, 30, 258-269 | 8.8 | 7 |
| 188 | Preeclampsia link to gestational hypoxia. *Journal of Developmental Origins of Health and Disease*, **2019**, 10, 322-333 | 2.4 | 27 |
| 187 | Fatty vessels shed tonnes on programmed cardiovascular risk. *Journal of Physiology*, **2019**, 597, 5317-5318 | 3.9 | |
| 186 | Uterine and fetal placental Doppler indices are associated with maternal cardiovascular function. *American Journal of Obstetrics and Gynecology*, **2019**, 220, 96.e1-96.e8 | 6.4 | 26 |
| 185 | Maternal diet-induced obesity programmes cardiac dysfunction in male mice independently of post-weaning diet. *Cardiovascular Research*, **2018**, 114, 1372-1384 | 9.9 | 56 |
| 184 | Altered autonomic control of heart rate variability in the chronically hypoxic fetus. *Journal of Physiology*, **2018**, 596, 6105-6119 | 3.9 | 22 |
| 183 | The role of nitric oxide in the cardiopulmonary response to hypoxia in highland and lowland newborn llamas. *Journal of Physiology*, **2018**, 596, 5907-5923 | 3.9 | 10 |
| 182 | The highs and lows of programmed cardiovascular disease by developmental hypoxia: studies in the chicken embryo. *Journal of Physiology*, **2018**, 596, 2991-3006 | 3.9 | 21 |
| 181 | miRNA-210: a hypoxamiRyad of possibilities. *Journal of Physiology*, **2018**, 596, 5501-5502 | 3.9 | 0 |
| 180 | Influence of gestational diabetes on fetal autonomic nervous system: a study using phase-rectified signal-averaging analysis. *Ultrasound in Obstetrics and Gynecology*, **2018**, 52, 347-351 | 5.8 | 7 |
| 179 | Improving pregnancy outcomes in humans through studies in sheep. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 315, R1123-R1153 | 3.2 | 74 |
| 178 | Maternal Allopurinol Prevents Cardiac Dysfunction in Adult Male Offspring Programmed by Chronic Hypoxia During Pregnancy. *Hypertension*, **2018**, 72, 971-978 | 8.5 | 18 |
| 177 | Placental Adaptation to Early-Onset Hypoxic Pregnancy and Mitochondria-Targeted Antioxidant Therapy in a Rodent Model. *American Journal of Pathology*, **2018**, 188, 2704-2716 | 5.8 | 37 |
| 176 | Trans-abdominal in vivo placental vessel occlusion using High Intensity Focused Ultrasound. *Scientific Reports*, **2018**, 8, 13631 | 4.9 | 7 |
| 175 | Isolating the direct effects of adverse developmental conditions on in vivo cardiovascular function at adulthood: the avian model. *Journal of Developmental Origins of Health and Disease*, **2018**, 9, 460-466 | 2.4 | 4 |
| 174 | Maternal exercise intervention in obese pregnancy improves the cardiovascular health of the adult male offspring. *Molecular Metabolism*, **2018**, 16, 35-44 | 8.8 | 28 |
| 173 | At the heart of accelerated old matter. *Journal of Physiology*, **2017**, 595, 1009-1010 | 3.9 | |
| 172 | Maternal chronic hypoxia increases expression of genes regulating lung liquid movement and surfactant maturation in male fetuses in late gestation. *Journal of Physiology*, **2017**, 595, 4329-4350 | 3.9 | 13 |

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| 171 | Chronic hypoxaemia as a molecular regulator of fetal lung development: implications for risk of respiratory complications at birth. *Paediatric Respiratory Reviews*, **2017**, 21, 3-10 | 4.8 | 13 |
| 170 | Sildenafil therapy for fetal cardiovascular dysfunction during hypoxic development: studies in the chick embryo. *Journal of Physiology*, **2017**, 595, 1563-1573 | 3.9 | 20 |
| 169 | Acute hypoxia-reoxygenation and vascular oxygen sensing in the chicken embryo. *Physiological Reports*, **2017**, 5, e13501 | 2.6 | 2 |
| 168 | Neural Regulation of Blood Pressure During Fetal and Newborn Life **2017**, 573-584.e4 | | |
| 167 | Noninvasive high-intensity focused ultrasound treatment of twin-twin transfusion syndrome: A preliminary in vivo study. *Science Translational Medicine*, **2016**, 8, 347ra95 | 17.5 | 20 |
| 166 | Hypoxia, AMPK activation and uterine artery vasoreactivity. *Journal of Physiology*, **2016**, 594, 1357-69 | 3.9 | 42 |
| 165 | Variations on fetal heart rate variability. *Journal of Physiology*, **2016**, 594, 1279-80 | 3.9 | 6 |
| 164 | Phase-rectified signal averaging method to predict perinatal outcome in infants with very preterm fetal growth restriction- a secondary analysis of TRUFFLE-trial. *American Journal of Obstetrics and Gynecology*, **2016**, 215, 630.e1-630.e7 | 6.4 | 17 |
| 163 | Cardiovascular function in term fetal sheep conceived, gestated and studied in the hypobaric hypoxia of the Andean altiplano. *Journal of Physiology*, **2016**, 594, 1231-45 | 3.9 | 20 |
| 162 | Fetal in vivo continuous cardiovascular function during chronic hypoxia. *Journal of Physiology*, **2016**, 594, 1247-64 | 3.9 | 50 |
| 161 | The fetal brain sparing response to hypoxia: physiological mechanisms. *Journal of Physiology*, **2016**, 594, 1215-30 | 3.9 | 172 |
| 160 | Labouring on decelerations: the fetal peripheral chemoreflex wins. *Journal of Physiology*, **2016**, 594, 4699-700 | 3.9 | 2 |
| 159 | Impaired Nitric Oxide Mediated Vasodilation In The Peripheral Circulation In The R6/2 Mouse Model Of Huntington's Disease. *Scientific Reports*, **2016**, 6, 25979 | 4.9 | 5 |
| 158 | Divergence of mechanistic pathways mediating cardiovascular aging and developmental programming of cardiovascular disease. *FASEB Journal*, **2016**, 30, 1968-75 | 0.9 | 46 |
| 157 | Melatonin rescues cardiovascular dysfunction during hypoxic development in the chick embryo. *Journal of Pineal Research*, **2016**, 60, 16-26 | 10.4 | 40 |
| 156 | Maternal Dexamethasone Treatment Alters Tissue and Circulating Components of the Renin-Angiotensin System in the Pregnant Ewe and Fetus. *Endocrinology*, **2015**, 156, 3038-46 | 4.8 | 10 |
| 155 | Melatonin modulates the fetal cardiovascular defense response to acute hypoxia. *Journal of Pineal Research*, **2015**, 59, 80-90 | 10.4 | 34 |
| 154 | Developmental Expression and Glucocorticoid Control of the Leptin Receptor in Fetal Ovine Lung. *PLoS ONE*, **2015**, 10, e0136115 | 3.7 | 6 |

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| 153 | Induction of controlled hypoxic pregnancy in large mammalian species. *Physiological Reports*, **2015**, 3, e12614 | 2.6 | 40 |
| 152 | Maternal diet-induced obesity programs cardiovascular dysfunction in adult male mouse offspring independent of current body weight. *Endocrinology*, **2014**, 155, 3970-80 | 4.8 | 73 |
| 151 | Heart disease link to fetal hypoxia and oxidative stress. *Advances in Experimental Medicine and Biology*, **2014**, 814, 77-87 | 3.6 | 45 |
| 150 | Xanthine oxidase and the fetal cardiovascular defence to hypoxia in late gestation ovine pregnancy. *Journal of Physiology*, **2014**, 592, 475-89 | 3.9 | 33 |
| 149 | High-altitude hypoxia and echocardiographic indices of pulmonary hypertension in male and female chickens at adulthood. *Circulation Journal*, **2014**, 78, 1459-64 | 2.9 | 18 |
| 148 | Pathophysiological mechanisms of high-intensity focused ultrasound-mediated vascular occlusion and relevance to non-invasive fetal surgery. *Journal of the Royal Society Interface*, **2014**, 11, 20140029 | 4.1 | 36 |
| 147 | Antenatal allopurinol reduces hippocampal brain damage after acute birth asphyxia in late gestation fetal sheep. *Reproductive Sciences*, **2014**, 21, 251-9 | 3 | 13 |
| 146 | Reduced cystathionine γ-lyase and increased miR-21 expression are associated with increased vascular resistance in growth-restricted pregnancies: hydrogen sulfide as a placental vasodilator. *American Journal of Pathology*, **2013**, 182, 1448-58 | 5.8 | 106 |
| 145 | Statins prevent adverse effects of postnatal glucocorticoid therapy on the developing brain in rats. *Pediatric Research*, **2013**, 74, 639-45 | 3.2 | 8 |
| 144 | Coenzyme Q10 prevents accelerated cardiac aging in a rat model of poor maternal nutrition and accelerated postnatal growth. *Molecular Metabolism*, **2013**, 2, 480-90 | 8.8 | 36 |
| 143 | Graduated effects of high-altitude hypoxia and highland ancestry on birth size. *Pediatric Research*, **2013**, 74, 633-8 | 3.2 | 70 |
| 142 | Defining the relationship between fetal Doppler indices, abdominal circumference and growth rate in severe fetal growth restriction using functional linear discriminant analysis. *Journal of the Royal Society Interface*, **2013**, 10, 20130376 | 4.1 | 10 |
| 141 | High altitude hypoxia and blood pressure dysregulation in adult chickens. *Journal of Developmental Origins of Health and Disease*, **2013**, 4, 69-76 | 2.4 | 17 |
| 140 | Developmental programming of cardiovascular disease by prenatal hypoxia. *Journal of Developmental Origins of Health and Disease*, **2013**, 4, 328-37 | 2.4 | 121 |
| 139 | Diagnosis of laryngotracheal stenosis from routine pulmonary physiology using the expiratory disproportion index. *Laryngoscope*, **2013**, 123, 3099-104 | 3.6 | 36 |
| 138 | Antioxidant treatment improves neonatal survival and prevents impaired cardiac function at adulthood following neonatal glucocorticoid therapy. *Journal of Physiology*, **2013**, 591, 5083-93 | 3.9 | 31 |
| 137 | Maternal-to-fetal allopurinol transfer and xanthine oxidase suppression in the late gestation pregnant rat. *Physiological Reports*, **2013**, 1, e00156 | 2.6 | 8 |
| 136 | Vitamin C prevents intrauterine programming of in vivo cardiovascular dysfunction in the rat. *Circulation Journal*, **2013**, 77, 2604-11 | 2.9 | 56 |

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| 135 | Remote ischemic preconditioning in percutaneous coronary revascularization: a double-blind randomized controlled clinical trial. *Asian Cardiovascular and Thoracic Annals*, **2012**, 20, 548-54 | 0.6 | 35 |
| 134 | A role for xanthine oxidase in the control of fetal cardiovascular function in late gestation sheep. *Journal of Physiology*, **2012**, 590, 1825-37 | 3.9 | 28 |
| 133 | Ascorbate prevents placental oxidative stress and enhances birth weight in hypoxic pregnancy in rats. *Journal of Physiology*, **2012**, 590, 1377-87 | 3.9 | 65 |
| 132 | The heme oxygenase-carbon monoxide system in the regulation of cardiorespiratory function at high altitude. *Respiratory Physiology and Neurobiology*, **2012**, 184, 186-91 | 2.8 | 14 |
| 131 | Effects of cortisol and dexamethasone on insulin signalling pathways in skeletal muscle of the ovine fetus during late gestation. *PLoS ONE*, **2012**, 7, e52363 | 3.7 | 22 |
| 130 | Direct evidence of progressive cardiac dysfunction in a transgenic mouse model of Huntington's disease. *Journal of Huntington's Disease*, **2012**, 1, 57-64 | 1.9 | 28 |
| 129 | Statin treatment depresses the fetal defence to acute hypoxia via increasing nitric oxide bioavailability. *Journal of Physiology*, **2012**, 590, 323-34 | 3.9 | 38 |
| 128 | The programming of cardiac hypertrophy in the offspring by maternal obesity is associated with hyperinsulinemia, AKT, ERK, and mTOR activation. *Endocrinology*, **2012**, 153, 5961-71 | 4.8 | 97 |
| 127 | Morphological and functional alterations in the aorta of the chronically hypoxic fetal rat. *Journal of Vascular Research*, **2012**, 49, 50-8 | 1.9 | 26 |
| 126 | Developmental programming of cardiovascular dysfunction by prenatal hypoxia and oxidative stress. *PLoS ONE*, **2012**, 7, e31017 | 3.7 | 190 |
| 125 | Oxidative stress in the developing brain: effects of postnatal glucocorticoid therapy and antioxidants in the rat. *PLoS ONE*, **2011**, 6, e21142 | 3.7 | 25 |
| 124 | Fetal and postnatal pulmonary circulation in the Alto Andino. *Placenta*, **2011**, 32 Suppl 2, S100-3 | 3.4 | 20 |
| 123 | Adrenocortical suppression in highland chick embryos is restored during incubation at sea level. *High Altitude Medicine and Biology*, **2011**, 12, 79-87 | 1.9 | 5 |
| 122 | Counterpoint: high altitude is not for the birds!. *Journal of Applied Physiology*, **2011**, 111, 1515-8 | 3.7 | 3 |
| 121 | Last word on point:counterpoint: high altitude is/is not for the birds!. *Journal of Applied Physiology*, **2011**, 111, 1526 | 3.7 | |
| 120 | Sex differences in the ovine fetal cortisol response to stress. *Pediatric Research*, **2011**, 69, 118-22 | 3.2 | 22 |
| 119 | Prenatal hypoxia independent of undernutrition promotes molecular markers of insulin resistance in adult offspring. *FASEB Journal*, **2011**, 25, 420-7 | 0.9 | 57 |
| 118 | The vulnerable developing brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 2641-2 | 11.5 | 36 |

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| 117 | Role of the β-adrenergic system in femoral vascular reactivity in neonatal llamas and sheep: a comparative study between highland and lowland species. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 301, R1153-60 | 3.2 | 11 |
| 116 | Melatonin and vitamin C increase umbilical blood flow via nitric oxide-dependent mechanisms. *Journal of Pineal Research*, **2010**, 49, 399-406 | 10.4 | 88 |
| 115 | Redox modulation of the fetal cardiovascular defence to hypoxaemia. *Journal of Physiology*, **2010**, 588, 4235-47 | 3.9 | 49 |
| 114 | Long-term exposure to high-altitude chronic hypoxia during gestation induces neonatal pulmonary hypertension at sea level. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 299, R1676-84 | 3.2 | 55 |
| 113 | Allopurinol reduces oxidative stress in the ovine fetal cardiovascular system after repeated episodes of ischemia-reperfusion. *Pediatric Research*, **2010**, 68, 374-80 | 3.2 | 23 |
| 112 | Paraoxonase-3, a putative circulating antioxidant, is systemically up-regulated in late gestation in the fetal rat, sheep, and human. *Journal of Clinical Endocrinology and Metabolism*, **2010**, 95, 3798-805 | 5.6 | 15 |
| 111 | Investigation of the use of antioxidants to diminish the adverse effects of postnatal glucocorticoid treatment on mortality and cardiac development. *Neonatology*, **2010**, 98, 73-83 | 4 | 21 |
| 110 | Cardiac and vascular disease prior to hatching in chick embryos incubated at high altitude. *Journal of Developmental Origins of Health and Disease*, **2010**, 1, 60-6 | 2.4 | 25 |
| 109 | Partial contributions of developmental hypoxia and undernutrition to prenatal alterations in somatic growth and cardiovascular structure and function. *American Journal of Obstetrics and Gynecology*, **2010**, 203, 495.e24-34 | 6.4 | 66 |
| 108 | Antioxidant treatment alters peripheral vascular dysfunction induced by postnatal glucocorticoid therapy in rats. *PLoS ONE*, **2010**, 5, e9250 | 3.7 | 49 |
| 107 | Effects of acute acidemia on the fetal cardiovascular defense to acute hypoxemia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 296, R90-9 | 3.2 | 34 |
| 106 | Nitric oxide reduces vagal baroreflex sensitivity in the late gestation fetus. *Pediatric Research*, **2009** , 65, 269-73 | 3.2 | 11 |
| 105 | Antenatal glucocorticoid therapy increases glucose delivery to cerebral circulations during acute hypoxemia in fetal sheep during late gestation. *American Journal of Obstetrics and Gynecology*, **2009**, 201, 82.e1-8 | 6.4 | 10 |
| 104 | Melatonin improves placental efficiency and birth weight and increases the placental expression of antioxidant enzymes in undernourished pregnancy. *Journal of Pineal Research*, **2009**, 46, 357-64 | 10.4 | 121 |
| 103 | Physiological comparison of spontaneous and positive-pressure ventilation in laryngotracheal stenosis. *British Journal of Anaesthesia*, **2008**, 101, 419-23 | 5.4 | 47 |
| 102 | Localization and control of expression of VEGF-A and the VEGFR-2 receptor in fetal sheep intestines. *Pediatric Research*, **2008**, 63, 143-8 | 3.2 | 18 |
| 101 | Carbon monoxide: a novel pulmonary artery vasodilator in neonatal llamas of the Andean altiplano. *Cardiovascular Research*, **2008**, 77, 197-201 | 9.9 | 33 |
| 100 | Quantifying the physiology of laryngotracheal stenosis: changes in pulmonary dynamics in response to graded extrathoracic resistive loading. *Laryngoscope*, **2007**, 117, 581-8 | 3.6 | 27 |

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| 99 | Incidence and Significance of Myocardial Injury After Surgical Treatment of Head and Neck Cancer. *Laryngoscope*, **2007**, 117, 1581-1587 | 3.6 | 12 |
| 98 | The role of oxygen in prenatal growth: studies in the chick embryo. *Journal of Physiology*, **2007**, 585, 911-7 | 3.9 | 78 |
| 97 | Effects of dexamethasone on the glucogenic capacity of fetal, pregnant, and non-pregnant adult sheep. *Journal of Endocrinology*, **2007**, 192, 67-73 | 4.7 | 46 |
| 96 | Differential effects of maternal dexamethasone treatment on circulating thyroid hormone concentrations and tissue deiodinase activity in the pregnant ewe and fetus. *Endocrinology*, **2007**, 148, 800-5 | 4.8 | 29 |
| 95 | High-altitude chronic hypoxia during gestation and after birth modifies cardiovascular responses in newborn sheep. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 292, R2234-40 | 3.2 | 78 |
| 94 | Evolving in thin air--lessons from the llama fetus in the altiplano. *Respiratory Physiology and Neurobiology*, **2007**, 158, 298-306 | 2.8 | 25 |
| 93 | Development of the ovine fetal cardiovascular defense to hypoxemia towards full term. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 291, H3023-34 | 5.2 | 80 |
| 92 | Intrauterine programming of physiological systems: causes and consequences. *Physiology*, **2006**, 21, 29-37 | 3.8 | 311 |
| 91 | Development of baroreflex function and hind limb vascular reactivity in the horse fetus. *Journal of Physiology*, **2006**, 572, 155-64 | 3.9 | 15 |
| 90 | Hypoxia, Fetal Growth and Developmental Origins of Health and Disease **2006**, 219-224 | | 1 |
| 89 | Carotid endarterectomy impairs blood pressure homeostasis by reducing the physiologic baroreflex reserve. *Journal of Vascular Surgery*, **2005**, 41, 631-7 | 3.5 | 53 |
| 88 | The effects of pregnancy on the cardiovascular response to acute systemic isocapnic hypoxia in conscious sheep. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2005**, 112, 889-96 | 3.7 | |
| 87 | Effects of gestational age and cortisol treatment on ovine fetal heart function in a novel biventricular Langendorff preparation. *Journal of Physiology*, **2005**, 562, 493-505 | 3.9 | 14 |
| 86 | Calcitonin gene-related peptide contributes to the umbilical haemodynamic defence response to acute hypoxaemia. *Journal of Physiology*, **2005**, 563, 309-17 | 3.9 | 11 |
| 85 | Development of cardiovascular function in the horse fetus. *Journal of Physiology*, **2005**, 565, 1019-30 | 3.9 | 27 |
| 84 | Calcitonin gene-related peptide antagonism attenuates the haemodynamic and glycaemic responses to acute hypoxaemia in the late gestation sheep fetus. *Journal of Physiology*, **2005**, 566, 587-97 | 3.9 | 3 |
| 83 | Fetal cardiovascular, metabolic and endocrine responses to acute hypoxaemia during and following maternal treatment with dexamethasone in sheep. *Journal of Physiology*, **2005**, 567, 673-88 | 3.9 | 48 |
| 82 | Endocrine and metabolic programming during intrauterine development. *Early Human Development* , **2005**, 81, 723-34 | 2.2 | 149 |

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| 81 | Development of baroreflex and endocrine responses to hypotensive stress in newborn foals and lambs. *Pflugers Archiv European Journal of Physiology*, **2005**, 450, 298-306 | 4.6 | 25 |
| 80 | Vasodilator tone in the llama fetus: the role of nitric oxide during normoxemia and hypoxemia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 289, R776-83 | 3.2 | 16 |
| 79 | Chronic umbilical cord compression results in accelerated maturation of lung and brown adipose tissue in the sheep fetus during late gestation. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 289, E456-65 | 6 | 12 |
| 78 | Role of nitric oxide in mediating in vivo vascular responses to calcitonin gene-related peptide in essential and peripheral circulations in the fetus. *Circulation*, **2005**, 112, 2510-6 | 16.7 | 14 |
| 77 | Acute hypoxia increases S100beta protein in association with blood flow redistribution away from peripheral circulations in fetal sheep. *Pediatric Research*, **2005**, 58, 179-84 | 3.2 | 27 |
| 76 | The role of calcitonin gene-related Peptide in the in vivo pituitary-adrenocortical response to acute hypoxemia in the late-gestation sheep fetus. *Endocrinology*, **2005**, 146, 4871-7 | 4.8 | 1 |
| 75 | Maturation of pancreatic beta-cell function in the fetal horse during late gestation. *Journal of Endocrinology*, **2005**, 186, 467-73 | 4.7 | 26 |
| 74 | Antenatal glucocorticoids reset the level of baseline and hypoxemia-induced pituitary-adrenal activity in the sheep fetus during late gestation. *American Journal of Physiology - Endocrinology and Metabolism*, **2004**, 286, E311-9 | 6 | 22 |
| 73 | Pituitary-adrenal responses to acute hypoxemia during and after maternal dexamethasone treatment in sheep. *Pediatric Research*, **2004**, 56, 864-72 | 3.2 | 12 |
| 72 | Adrenocortical responsiveness is blunted in twin relative to singleton ovine fetuses. *Journal of Physiology*, **2004**, 557, 1021-32 | 3.9 | 39 |
| 71 | Effects of dexamethasone on the uterine and umbilical vascular beds during basal and hypoxemic conditions in sheep. *American Journal of Obstetrics and Gynecology*, **2004**, 190, 825-35 | 6.4 | 25 |
| 70 | Intrauterine hypoxaemia and cardiovascular development. **2004**, 55-85 | | 2 |
| 69 | Hindlimb glucose and lactate metabolism during umbilical cord compression and acute hypoxemia in the late-gestation ovine fetus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2003**, 284, R954-64 | 3.2 | 21 |
| 68 | Effect of dexamethasone on pulmonary and renal angiotensin-converting enzyme concentration in fetal sheep during late gestation. *American Journal of Obstetrics and Gynecology*, **2003**, 189, 1467-71 | 6.4 | 15 |
| 67 | The role of neuropeptide Y in the ovine fetal cardiovascular response to reduced oxygenation. *Journal of Physiology*, **2003**, 546, 891-901 | 3.9 | 15 |
| 66 | Cardiovascular and endocrine responses to acute hypoxaemia during and following dexamethasone infusion in the ovine fetus. *Journal of Physiology*, **2003**, 549, 271-87 | 3.9 | 46 |
| 65 | The fetal llama versus the fetal sheep: different strategies to withstand hypoxia. *High Altitude Medicine and Biology*, **2003**, 4, 193-202 | 1.9 | 45 |
| 64 | Enhanced umbilical blood flow during acute hypoxemia after chronic umbilical cord compression: a role for nitric oxide. *Circulation*, **2003**, 108, 331-5 | 16.7 | 29 |

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| 63 | Postnatal cardiovascular function after manipulation of fetal growth by embryo transfer in the horse. *Journal of Physiology*, **2003**, 547, 67-76 | 3.9 | 36 |
| 62 | Enhanced nitric oxide activity offsets peripheral vasoconstriction during acute hypoxaemia via chemoreflex and adrenomedullary actions in the sheep fetus. *Journal of Physiology*, **2003**, 547, 283-91 | 3.9 | 30 |
| 61 | Sympathetic control of the cardiovascular response to acute hypoxemia in the chick embryo. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2002**, 282, R1156-63 | 3.2 | 30 |
| 60 | The effect of a reversible period of adverse intrauterine conditions during late gestation on fetal and placental weight and placentome distribution in sheep. *Placenta*, **2002**, 23, 459-66 | 3.4 | 16 |
| 59 | Regional brain blood flow and cerebral hemispheric oxygen consumption during acute hypoxaemia in the llama fetus. *Journal of Physiology*, **2002**, 538, 975-83 | 3.9 | 20 |
| 58 | Effects of prevailing hypoxaemia, acidaemia or hypoglycaemia upon the cardiovascular, endocrine and metabolic responses to acute hypoxaemia in the ovine fetus. *Journal of Physiology*, **2002**, 540, 351-66 | 3.9 | 87 |
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| 2 | Plasma Adrenocorticotropin and Cortisol Concentrations during Acute Hypoxemia after a Reversible Period of Adverse Intrauterine Conditions in the Ovine Fetus During Late Gestation*This work was supported by the British Heart Foundation. | | 16 |
| 1 | First evidence that intrinsic fetal heart rate variability exists and is affected by hypoxic pregnancy | | 2 |