# Karen Kind

## List of Publications by Citations



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| 87 papers | 2,579 citations | 27 h-index | 49 g-index |
| 89 ext. papers | 2,846 ext. citations | 3 avg, IF | 4.62 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 87 | REDOX regulation of early embryo development. *Reproduction*, **2002**, 123, 479-86 | 3.8 | 244 |
| 86 | Beyond oxygen: complex regulation and activity of hypoxia inducible factors in pregnancy. *Human Reproduction Update*, **2010**, 16, 415-31 | 15.8 | 171 |
| 85 | Oxygen-regulated gene expression in bovine blastocysts. *Biology of Reproduction*, **2004**, 71, 1108-19 | 3.9 | 141 |
| 84 | Circulating insulin-like growth factors-I and -II and substrates in fetal sheep following restriction of placental growth. *Journal of Endocrinology*, **1994**, 140, 5-13 | 4.7 | 140 |
| 83 | Diet around conception and during pregnancy--effects on fetal and neonatal outcomes. *Reproductive BioMedicine Online*, **2006**, 12, 532-41 | 4 | 96 |
| 82 | Epigenetic risks related to assisted reproductive technologies: short- and long-term consequences for the health of children conceived through assisted reproduction technology: more reason for caution?. *Human Reproduction*, **2002**, 17, 2783-6 | 5.7 | 94 |
| 81 | Maternal food restriction reduces the exchange surface area and increases the barrier thickness of the placenta in the guinea-pig. *Placenta*, **2001**, 22, 177-85 | 3.4 | 89 |
| 80 | Influence of oocyte-secreted factors and culture duration on the metabolic activity of bovine cumulus cell complexes. *Reproduction*, **2003**, 126, 27-34 | 3.8 | 83 |
| 79 | Effect of maternal feed restriction during pregnancy on glucose tolerance in the adult guinea pig. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2003**, 284, R140-52 | 3.2 | 80 |
| 78 | Oxygen concentration during mouse oocyte in vitro maturation affects embryo and fetal development. *Human Reproduction*, **2007**, 22, 2768-75 | 5.7 | 70 |
| 77 | Effect of culturing mouse embryos under different oxygen concentrations on subsequent fetal and placental development. *Journal of Physiology*, **2006**, 572, 87-96 | 3.9 | 70 |
| 76 | Placental control of fetal growth. *Reproduction, Fertility and Development*, **1995**, 7, 333-44 | 1.8 | 70 |
| 75 | Association of -3826 G variant in uncoupling protein-1 with increased BMI in overweight Australian women. *Diabetologia*, **2000**, 43, 242-4 | 10.3 | 67 |
| 74 | Oxygen-regulated expression of GLUT-1, GLUT-3, and VEGF in the mouse blastocyst. *Molecular Reproduction and Development*, **2005**, 70, 37-44 | 2.6 | 66 |
| 73 | Effect of maternal feed restriction on blood pressure in the adult guinea pig. *Experimental Physiology*, **2002**, 87, 469-77 | 2.4 | 63 |
| 72 | Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. *Journal of Physiology*, **2018**, 596, 5535-5569 | 3.9 | 62 |
| 71 | Effect of restriction of placental growth on expression of IGFs in fetal sheep: relationship to fetal growth, circulating IGFs and binding proteins. *Journal of Endocrinology*, **1995**, 146, 23-34 | 4.7 | 56 |

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| 70 | Embryo culture and long-term consequences. *Reproduction, Fertility and Development*, **2007**, 19, 43-52 | 1.8 | 50 |
| 69 | Dietary fish oil alters cardiomyocyte Ca2+ dynamics and antioxidant status. *Free Radical Biology and Medicine*, **2006**, 40, 1592-602 | 7.8 | 48 |
| 68 | Chronic maternal feed restriction impairs growth but increases adiposity of the fetal guinea pig. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R119-26 | 3.2 | 47 |
| 67 | A review of the genetic and epigenetic factors affecting lamb survival. *Animal Production Science*, **2014**, 54, 667 | 1.4 | 37 |
| 66 | Effects of acute and chronic food restriction on the insulin-like growth factor axis in the guinea pig. *Journal of Endocrinology*, **1998**, 157, 107-14 | 4.7 | 36 |
| 65 | Hormonally regulated follicle differentiation and luteinization in the mouse is associated with hypoxia inducible factor activity. *Molecular and Cellular Endocrinology*, **2010**, 327, 47-55 | 4.4 | 34 |
| 64 | The Ovarian Antral Follicle: Living on the Edge of Hypoxia or Not?. *Biology of Reproduction*, **2015**, 92, 153 | 3.9 | 33 |
| 63 | Differential expression of oxygen-regulated genes in bovine blastocysts. *Molecular Reproduction and Development*, **2007**, 74, 290-9 | 2.6 | 33 |
| 62 | Complex interactions between hypoxia inducible factors, insulin-like growth factor-II and oxygen in early murine trophoblasts. *Placenta*, **2007**, 28, 1147-57 | 3.4 | 29 |
| 61 | Regulation of gene expression in bovine blastocysts in response to oxygen and the iron chelator desferrioxamine. *Biology of Reproduction*, **2007**, 77, 93-101 | 3.9 | 29 |
| 60 | Programming the brain: Common outcomes and gaps in knowledge from animal studies of IUGR. *Physiology and Behavior*, **2016**, 164, 233-48 | 3.5 | 27 |
| 59 | Microarray analysis of mRNA from cumulus cells following in vivo or in vitro maturation of mouse cumulus-oocyte complexes. *Reproduction, Fertility and Development*, **2013**, 25, 426-38 | 1.8 | 27 |
| 58 | Recombinant human follicle-stimulating hormone alters maternal ovarian hormone concentrations and the uterus and perturbs fetal development in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 291, E761-70 | 6 | 27 |
| 57 | Effects of recombinant human follicle-stimulating hormone on embryo development in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 288, E845-51 | 6 | 24 |
| 56 | Dioxin affects glucose transport via the arylhydrocarbon receptor signal cascade in pluripotent embryonic carcinoma cells. *Endocrinology*, **2007**, 148, 5902-12 | 4.8 | 22 |
| 55 | Restricted fetal growth and the response to dietary cholesterol in the guinea pig. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1999**, 277, R1675-82 | 3.2 | 22 |
| 54 | Hemoglobin: a gas transport molecule that is hormonally regulated in the ovarian follicle in mice and humans. *Biology of Reproduction*, **2015**, 92, 26 | 3.9 | 20 |
| 53 | Altered placental structure induced by maternal food restriction in guinea pigs: a role for circulating IGF-II and IGFBP-2 in the mother?. *Placenta*, **2001**, 22 Suppl A, S77-82 | 3.4 | 20 |

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| 52 | 360His polymorphism of the apolipoproteinA-IV gene and plasma lipid response to energy restricted diets in overweight subjects. *Atherosclerosis*, **2000**, 150, 187-92 | 3.1 | 18 |
| 51 | Effect of placental restriction and neonatal exendin-4 treatment on postnatal growth, adult body composition, and in vivo glucose metabolism in the sheep. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E589-600 | 6 | 17 |
| 50 | Responses to maternal GH or ractopamine during early-mid pregnancy are similar in primiparous and multiparous pregnant pigs. *Journal of Endocrinology*, **2009**, 203, 143-54 | 4.7 | 16 |
| 49 | Review of the impact of heat stress on reproductive performance of sheep. *Journal of Animal Science and Biotechnology*, **2021**, 12, 26 | 6 | 16 |
| 48 | Placental restriction of fetal growth reduces cutaneous responses to antigen after sensitization in sheep. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 306, R441-6 | 3.2 | 15 |
| 47 | Impacts of un-ionized ammonia in digested piggery effluent on reproductive performance and longevity of Daphnia carinata and Moina australiensis. *Aquaculture*, **2011**, 310, 401-406 | 4.4 | 15 |
| 46 | Do I turn left or right? Effects of sex, age, experience and exit route on maze test performance in sheep. *Physiology and Behavior*, **2015**, 139, 244-53 | 3.5 | 14 |
| 45 | Pre-birth origins of allergy and asthma. *Journal of Reproductive Immunology*, **2017**, 123, 88-93 | 4.2 | 14 |
| 44 | Mechanisms contributing to the reduced developmental competence of glucosamine-exposed mouse oocytes. *Reproduction, Fertility and Development*, **2010**, 22, 771-9 | 1.8 | 13 |
| 43 | Effect of the oxidative phosphorylation uncoupler 2,4-dinitrophenol on hypoxia-inducible factor-regulated gene expression in bovine blastocysts. *Reproduction, Fertility and Development*, **2004**, 16, 665-73 | 1.8 | 13 |
| 42 | Atlas of tissue- and developmental stage specific gene expression for the bovine insulin-like growth factor (IGF) system. *PLoS ONE*, **2018**, 13, e0200466 | 3.7 | 12 |
| 41 | Altered pregnancy outcomes in mice following treatment with the hyperglycaemia mimetic, glucosamine, during the periconception period. *Reproduction, Fertility and Development*, **2013**, 25, 405-16 | 1.8 | 12 |
| 40 | Oxygen-regulated gene expression in murine cumulus cells. *Reproduction, Fertility and Development* , **2015**, 27, 407-18 | 1.8 | 11 |
| 39 | Increased placental nutrient transporter expression at midgestation after maternal growth hormone treatment in pigs: a placental mechanism for increased fetal growth. *Biology of Reproduction*, **2012**, 87, 126 | 3.9 | 11 |
| 38 | Oocyte maturation and embryo survival in nulliparous female pigs (gilts) is improved by feeding a lupin-based high-fibre diet. *Reproduction, Fertility and Development*, **2013**, 25, 1216-23 | 1.8 | 10 |
| 37 | -308 Nco I polymorphism of tumour necrosis factor alpha in overweight Caucasians. *Diabetes Research and Clinical Practice*, **2003**, 62, 197-201 | 7.4 | 10 |
| 36 | Split weaning increases the incidence of lactation oestrus in boar-exposed sows. *Animal Reproduction Science*, **2013**, 142, 48-55 | 2.1 | 9 |
| 35 | Response to dietary fat and cholesterol and genetic polymorphisms. *Clinical and Experimental Pharmacology and Physiology*, **1997**, 24, A21-5 | 3 | 8 |

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| 34 | Spontaneous intrauterine growth restriction due to increased litter size in the guinea pig programmes postnatal growth, appetite and adult body composition. *Journal of Developmental Origins of Health and Disease*, **2016**, 7, 548-562 | 2.4 | 8 |
| 33 | Lactation estrus induction in multi- and primiparous sows in an Australian commercial pork production system. *Journal of Animal Science*, **2014**, 92, 2265-74 | 0.7 | 7 |
| 32 | Intravenous infusion of insulin-like growth factor I in fetal sheep reduces hepatic IGF-I and IGF-II mRNAs. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1996**, 271, R1632-7 | 3.2 | 7 |
| 31 | Placental and fetal growth restriction, size at birth and neonatal growth alter cognitive function and behaviour in sheep in an age- and sex-specific manner. *Physiology and Behavior*, **2015**, 152, 1-10 | 3.5 | 6 |
| 30 | Boar contact is an effective stimulant of ovulation during early lactation. *Livestock Science*, **2013**, 155, 454-458 | 1.7 | 6 |
| 29 | Towards Improving the Outcomes of Assisted Reproductive Technologies of Cattle and Sheep, with Particular Focus on Recipient Management. *Animals*, **2020**, 10, | 3.1 | 5 |
| 28 | Effects of lactation length and boar contact in early lactation on expression of oestrus in multiparous sows. *Animal Reproduction Science*, **2014**, 149, 238-44 | 2.1 | 5 |
| 27 | Controlling lactation oestrus: The final frontier for breeding herd management. *Molecular Reproduction and Development*, **2017**, 84, 883-896 | 2.6 | 5 |
| 26 | Maternal responses to daily maternal porcine somatotropin injections during early-mid pregnancy or early-late pregnancy in sows and gilts. *Journal of Animal Science*, **2010**, 88, 1365-78 | 0.7 | 5 |
| 25 | Caffeine: A potential strategy to improve survival of neonatal pigs and sheep. *Animal Reproduction Science*, **2021**, 226, 106700 | 2.1 | 5 |
| 24 | Oral caffeine administered during late gestation increases gestation length and piglet temperature in naturally farrowing sows. *Animal Reproduction Science*, **2018**, 198, 160-166 | 2.1 | 5 |
| 23 | Hemoglobin: potential roles in the oocyte and early embryo *Biology of Reproduction*, **2019**, 101, 262-270 | 3.9 | 4 |
| 22 | Supplementing Merino ewes with melatonin during the last half of pregnancy improves tolerance of prolonged parturition and survival of second-born twin lambs. *Journal of Animal Science*, **2020**, 98, | 0.7 | 4 |
| 21 | Oestrous phase cyclicity influences judgment biasing in rats. *Behavioural Processes*, **2018**, 157, 678-684 | 1.6 | 4 |
| 20 | Neonatal lamb mortality: major risk factors and the potential ameliorative role of melatonin. *Journal of Animal Science and Biotechnology*, **2020**, 11, 107 | 6 | 4 |
| 19 | Remodelling of the bovine placenta: Comprehensive morphological and histomorphological characterization at the late embryonic and early accelerated fetal growth stages. *Placenta*, **2017**, 55, 37-46 | 3.4 | 3 |
| 18 | Sex of co-twin affects the in vitro developmental competence of oocytes derived from 6- to 8-week-old lambs. *Reproduction, Fertility and Development*, **2017**, 29, 1379-1383 | 1.8 | 3 |
| 17 | Off to the right start: how pregnancy and early life can determine future animal health and production. *Animal Production Science*, **2018**, 58, 459 | 1.4 | 3 |

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| 16 | Effects of induced placental and fetal growth restriction, size at birth and early neonatal growth on behavioural and brain structural lateralization in sheep. *Laterality*, **2017**, 22, 560-589 | 2 | 3 |
| 15 | Haemoglobin expression in in vivo murine preimplantation embryos suggests a role in oxygen-regulated gene expression. *Reproduction, Fertility and Development*, **2019**, 31, 724-734 | 1.8 | 3 |
| 14 | Late-gestation maternal dietary methyl donor and cofactor supplementation in sheep partially reverses protection against allergic sensitization by IUGR. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 314, R22-R33 | 3.2 | 3 |
| 13 | Gamete cryopreservation of Australian old endemic rodents – spermatozoa from the plains mouse (Pseudomys australis) and spinifex hopping mouse (Notomys alexis). *Australian Mammalogy*, **2018**, 40, 76 | 1.1 | 3 |
| 12 | Use of the hyperinsulinemic euglycemic clamp to assess insulin sensitivity in guinea pigs: dose response, partitioned glucose metabolism, and species comparisons. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 313, R19-R28 | 3.2 | 2 |
| 11 | Optimal timing of boar exposure relative to parturition for stimulation of lactation oestrus. *Livestock Science*, **2015**, 177, 181-188 | 1.7 | 2 |
| 10 | The effects of season and moderate nutritional restriction on ovarian function and oocyte nuclear maturation in cycling gilts. *Theriogenology*, **2014**, 82, 1303-9 | 2.8 | 2 |
| 9 | Plasma follicle stimulating hormone, ovulation rate and fertility in Merino ewes treated with bovine follicular fluid. *Animal Reproduction Science*, **1988**, 16, 27-38 | 2.1 | 2 |
| 8 | Plasma anti-Müllerian hormone concentration as a predictive endocrine marker for selection of donor lambs to improve success in juvenile in vitro embryo transfer programs. *Reproduction, Fertility and Development*, **2020**, 32, 383-391 | 1.8 | 2 |
| 7 | Maternal melatonin implants improve twin Merino lamb survival. *Journal of Animal Science*, **2020**, 98, | 0.7 | 2 |
| 6 | Effect of oxygen and glucose availability during in vitro maturation of bovine oocytes on development and gene expression. *Journal of Assisted Reproduction and Genetics*, **2021**, 38, 1349-1362 | 3.4 | 2 |
| 5 | The Phosphodiesterase Inhibitor, Isobutyl-1-Methylxanthine Prevents the Sudden Drop in Cyclic Adenosine Monophosphate Concentration and Modulates Glucose Metabolism of Equine Cumulus-Oocyte Complexes Matured in Vitro. *Journal of Equine Veterinary Science*, **2020**, 91, 103112 | 1.2 | 1 |
| 4 | Maternal low-dose porcine somatotropin treatment in late gestation increases progeny weight at birth and weaning in sows but not in gilts. *Journal of Animal Science*, **2012**, 90, 1428-35 | 0.7 | 1 |
| 3 | Late pregnancy increases hepatic expression of insulin-like growth factor-I in well nourished guinea pigs. *Growth Hormone and IGF Research*, **2005**, 15, 165-71 | 2 | 1 |
| 2 | Sex-specific programming of adult insulin resistance in guinea pigs by variable perinatal growth induced by spontaneous variation in litter size. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2019**, 316, R352-R361 | 3.2 | 0 |
| 1 | Early Embryo Environment and Developmental Potential **2009**, 65-77 | | |