

# Karen Kind

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Caffeine: A potential strategy to improve survival of neonatal pigs and sheep. <i>Animal Reproduction Science</i> , <b>2021</b> , 226, 106700	2.1	5
86	Effect of oxygen and glucose availability during in vitro maturation of bovine oocytes on development and gene expression. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2021</b> , 38, 1349-1362	3.4	2
85	Review of the impact of heat stress on reproductive performance of sheep. <i>Journal of Animal Science and Biotechnology</i> , <b>2021</b> , 12, 26	6	16
84	Supplementing Merino ewes with melatonin during the last half of pregnancy improves tolerance of prolonged parturition and survival of second-born twin lambs. <i>Journal of Animal Science</i> , <b>2020</b> , 98,	0.7	4
83	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. <i>Journal of Equine Veterinary Science</i> , <b>2020</b> , 91, 103112	1.2	1
82	Towards Improving the Outcomes of Assisted Reproductive Technologies of Cattle and Sheep, with Particular Focus on Recipient Management. <i>Animals</i> , <b>2020</b> , 10,	3.1	5
81	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. <i>Reproduction, Fertility and Development</i> , <b>2020</b> , 32, 383-391	1.8	2
80	Neonatal lamb mortality: major risk factors and the potential ameliorative role of melatonin. <i>Journal of Animal Science and Biotechnology</i> , <b>2020</b> , 11, 107	6	4
79	Maternal melatonin implants improve twin Merino lamb survival. <i>Journal of Animal Science</i> , <b>2020</b> , 98,	0.7	2
78	Hemoglobin: potential roles in the oocyte and early embryo. <i>Biology of Reproduction</i> , <b>2019</b> , 101, 262-270	0.9	4
77	Sex-specific programming of adult insulin resistance in guinea pigs by variable perinatal growth induced by spontaneous variation in litter size. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R352-R361	3.2	0
76	Haemoglobin expression in in vivo murine preimplantation embryos suggests a role in oxygen-regulated gene expression. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 31, 724-734	1.8	3
75	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. <i>Journal of Physiology</i> , <b>2018</b> , 596, 5535-5569	3.9	62
74	Oestrous phase cyclicity influences judgment biasing in rats. <i>Behavioural Processes</i> , <b>2018</b> , 157, 678-684	1.6	4
73	Atlas of tissue- and developmental stage specific gene expression for the bovine insulin-like growth factor (IGF) system. <i>PLoS ONE</i> , <b>2018</b> , 13, e0200466	3.7	12
72	Off to the right start: how pregnancy and early life can determine future animal health and production. <i>Animal Production Science</i> , <b>2018</b> , 58, 459	1.4	3
71	Oral caffeine administered during late gestation increases gestation length and piglet temperature in naturally farrowing sows. <i>Animal Reproduction Science</i> , <b>2018</b> , 198, 160-166	2.1	5

70	Late-gestation maternal dietary methyl donor and cofactor supplementation in sheep partially reverses protection against allergic sensitization by IUGR. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 314, R22-R33	3.2	3
69	Gamete cryopreservation of Australian Old endemic Rodents Spermatozoa from the plains mouse ( <i>Pseudomys australis</i> ) and spinifex hopping mouse ( <i>Notomys alexis</i> ). <i>Australian Mammalogy</i> , <b>2018</b> , 40, 76	1.1	3
68	Remodelling of the bovine placenta: Comprehensive morphological and histomorphological characterization at the late embryonic and early accelerated fetal growth stages. <i>Placenta</i> , <b>2017</b> , 55, 37-46	3.4	3
67	Use of the hyperinsulinemic euglycemic clamp to assess insulin sensitivity in guinea pigs: dose response, partitioned glucose metabolism, and species comparisons. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2017</b> , 313, R19-R28	3.2	2
66	Sex of co-twin affects the in vitro developmental competence of oocytes derived from 6- to 8-week-old lambs. <i>Reproduction, Fertility and Development</i> , <b>2017</b> , 29, 1379-1383	1.8	3
65	Controlling lactation oestrus: The final frontier for breeding herd management. <i>Molecular Reproduction and Development</i> , <b>2017</b> , 84, 883-896	2.6	5
64	Pre-birth origins of allergy and asthma. <i>Journal of Reproductive Immunology</i> , <b>2017</b> , 123, 88-93	4.2	14
63	Effects of induced placental and fetal growth restriction, size at birth and early neonatal growth on behavioural and brain structural lateralization in sheep. <i>Laterality</i> , <b>2017</b> , 22, 560-589	2	3
62	Programming the brain: Common outcomes and gaps in knowledge from animal studies of IUGR. <i>Physiology and Behavior</i> , <b>2016</b> , 164, 233-48	3.5	27
61	Spontaneous intrauterine growth restriction due to increased litter size in the guinea pig programmes postnatal growth, appetite and adult body composition. <i>Journal of Developmental Origins of Health and Disease</i> , <b>2016</b> , 7, 548-562	2.4	8
60	Oxygen-regulated gene expression in murine cumulus cells. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 407-18	1.8	11
59	Optimal timing of boar exposure relative to parturition for stimulation of lactation oestrus. <i>Livestock Science</i> , <b>2015</b> , 177, 181-188	1.7	2
58	The Ovarian Antral Follicle: Living on the Edge of Hypoxia or Not?. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 153	3.9	33
57	Hemoglobin: a gas transport molecule that is hormonally regulated in the ovarian follicle in mice and humans. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 26	3.9	20
56	Effect of placental restriction and neonatal exendin-4 treatment on postnatal growth, adult body composition, and in vivo glucose metabolism in the sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 309, E589-600	6	17
55	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. <i>Physiology and Behavior</i> , <b>2015</b> , 152, 1-10	3.5	6
54	Do I turn left or right? Effects of sex, age, experience and exit route on maze test performance in sheep. <i>Physiology and Behavior</i> , <b>2015</b> , 139, 244-53	3.5	14
53	The effects of season and moderate nutritional restriction on ovarian function and oocyte nuclear maturation in cycling gilts. <i>Theriogenology</i> , <b>2014</b> , 82, 1303-9	2.8	2

52	Effects of lactation length and boar contact in early lactation on expression of oestrus in multiparous sows. <i>Animal Reproduction Science</i> , <b>2014</b> , 149, 238-44	2.1	5
51	A review of the genetic and epigenetic factors affecting lamb survival. <i>Animal Production Science</i> , <b>2014</b> , 54, 667	1.4	37
50	Lactation estrus induction in multi- and primiparous sows in an Australian commercial pork production system. <i>Journal of Animal Science</i> , <b>2014</b> , 92, 2265-74	0.7	7
49	Placental restriction of fetal growth reduces cutaneous responses to antigen after sensitization in sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 306, R441-6	3.2	15
48	Boar contact is an effective stimulant of ovulation during early lactation. <i>Livestock Science</i> , <b>2013</b> , 155, 454-458	1.7	6
47	Split weaning increases the incidence of lactation oestrus in boar-exposed sows. <i>Animal Reproduction Science</i> , <b>2013</b> , 142, 48-55	2.1	9
46	Oocyte maturation and embryo survival in nulliparous female pigs (gilts) is improved by feeding a lupin-based high-fibre diet. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, 1216-23	1.8	10
45	Microarray analysis of mRNA from cumulus cells following in vivo or in vitro maturation of mouse cumulus-oocyte complexes. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, 426-38	1.8	27
44	Altered pregnancy outcomes in mice following treatment with the hyperglycaemia mimetic, glucosamine, during the periconception period. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, 405-16	1.8	12
43	Maternal low-dose porcine somatotropin treatment in late gestation increases progeny weight at birth and weaning in sows but not in gilts. <i>Journal of Animal Science</i> , <b>2012</b> , 90, 1428-35	0.7	1
42	Increased placental nutrient transporter expression at midgestation after maternal growth hormone treatment in pigs: a placental mechanism for increased fetal growth. <i>Biology of Reproduction</i> , <b>2012</b> , 87, 126	3.9	11
41	Impacts of un-ionized ammonia in digested piggery effluent on reproductive performance and longevity of <i>Daphnia carinata</i> and <i>Moina australiensis</i> . <i>Aquaculture</i> , <b>2011</b> , 310, 401-406	4.4	15
40	Maternal responses to daily maternal porcine somatotropin injections during early-mid pregnancy or early-late pregnancy in sows and gilts. <i>Journal of Animal Science</i> , <b>2010</b> , 88, 1365-78	0.7	5
39	Mechanisms contributing to the reduced developmental competence of glucosamine-exposed mouse oocytes. <i>Reproduction, Fertility and Development</i> , <b>2010</b> , 22, 771-9	1.8	13
38	Beyond oxygen: complex regulation and activity of hypoxia inducible factors in pregnancy. <i>Human Reproduction Update</i> , <b>2010</b> , 16, 415-31	15.8	171
37	Hormonally regulated follicle differentiation and luteinization in the mouse is associated with hypoxia inducible factor activity. <i>Molecular and Cellular Endocrinology</i> , <b>2010</b> , 327, 47-55	4.4	34
36	Responses to maternal GH or ractopamine during early-mid pregnancy are similar in primiparous and multiparous pregnant pigs. <i>Journal of Endocrinology</i> , <b>2009</b> , 203, 143-54	4.7	16
35	Early Embryo Environment and Developmental Potential <b>2009</b> , 65-77		

34	Embryo culture and long-term consequences. <i>Reproduction, Fertility and Development</i> , <b>2007</b> , 19, 43-52	1.8	50
33	Complex interactions between hypoxia inducible factors, insulin-like growth factor-II and oxygen in early murine trophoblasts. <i>Placenta</i> , <b>2007</b> , 28, 1147-57	3.4	29
32	Differential expression of oxygen-regulated genes in bovine blastocysts. <i>Molecular Reproduction and Development</i> , <b>2007</b> , 74, 290-9	2.6	33
31	Regulation of gene expression in bovine blastocysts in response to oxygen and the iron chelator desferrioxamine. <i>Biology of Reproduction</i> , <b>2007</b> , 77, 93-101	3.9	29
30	Dioxin affects glucose transport via the arylhydrocarbon receptor signal cascade in pluripotent embryonic carcinoma cells. <i>Endocrinology</i> , <b>2007</b> , 148, 5902-12	4.8	22
29	Oxygen concentration during mouse oocyte in vitro maturation affects embryo and fetal development. <i>Human Reproduction</i> , <b>2007</b> , 22, 2768-75	5.7	70
28	Dietary fish oil alters cardiomyocyte Ca <sup>2+</sup> dynamics and antioxidant status. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 1592-602	7.8	48
27	Recombinant human follicle-stimulating hormone alters maternal ovarian hormone concentrations and the uterus and perturbs fetal development in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2006</b> , 291, E761-70	6	27
26	Diet around conception and during pregnancy--effects on fetal and neonatal outcomes. <i>Reproductive BioMedicine Online</i> , <b>2006</b> , 12, 532-41	4	96
25	Effect of culturing mouse embryos under different oxygen concentrations on subsequent fetal and placental development. <i>Journal of Physiology</i> , <b>2006</b> , 572, 87-96	3.9	70
24	Late pregnancy increases hepatic expression of insulin-like growth factor-I in well nourished guinea pigs. <i>Growth Hormone and IGF Research</i> , <b>2005</b> , 15, 165-71	2	1
23	Effects of recombinant human follicle-stimulating hormone on embryo development in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 288, E845-51	6	24
22	Oxygen-regulated expression of GLUT-1, GLUT-3, and VEGF in the mouse blastocyst. <i>Molecular Reproduction and Development</i> , <b>2005</b> , 70, 37-44	2.6	66
21	Chronic maternal feed restriction impairs growth but increases adiposity of the fetal guinea pig. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 288, R119-26	3.2	47
20	Oxygen-regulated gene expression in bovine blastocysts. <i>Biology of Reproduction</i> , <b>2004</b> , 71, 1108-19	3.9	141
19	Effect of the oxidative phosphorylation uncoupler 2,4-dinitrophenol on hypoxia-inducible factor-regulated gene expression in bovine blastocysts. <i>Reproduction, Fertility and Development</i> , <b>2004</b> , 16, 665-73	1.8	13
18	Effect of maternal feed restriction during pregnancy on glucose tolerance in the adult guinea pig. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2003</b> , 284, R140-52	3.2	80
17	Influence of oocyte-secreted factors and culture duration on the metabolic activity of bovine cumulus cell complexes. <i>Reproduction</i> , <b>2003</b> , 126, 27-34	3.8	83

16	-308 Nco I polymorphism of tumour necrosis factor alpha in overweight Caucasians. <i>Diabetes Research and Clinical Practice</i> , <b>2003</b> , 62, 197-201	7.4	10
15	Effect of maternal feed restriction on blood pressure in the adult guinea pig. <i>Experimental Physiology</i> , <b>2002</b> , 87, 469-77	2.4	63
14	REDOX regulation of early embryo development. <i>Reproduction</i> , <b>2002</b> , 123, 479-86	3.8	244
13	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?. <i>Human Reproduction</i> , <b>2002</b> , 17, 2783-6	5.7	94
12	Maternal food restriction reduces the exchange surface area and increases the barrier thickness of the placenta in the guinea-pig. <i>Placenta</i> , <b>2001</b> , 22, 177-85	3.4	89
11	Altered placental structure induced by maternal food restriction in guinea pigs: a role for circulating IGF-II and IGFBP-2 in the mother?. <i>Placenta</i> , <b>2001</b> , 22 Suppl A, S77-82	3.4	20
10	Association of -3826 G variant in uncoupling protein-1 with increased BMI in overweight Australian women. <i>Diabetologia</i> , <b>2000</b> , 43, 242-4	10.3	67
9	360His polymorphism of the apolipoproteinA-IV gene and plasma lipid response to energy restricted diets in overweight subjects. <i>Atherosclerosis</i> , <b>2000</b> , 150, 187-92	3.1	18
8	Restricted fetal growth and the response to dietary cholesterol in the guinea pig. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>1999</b> , 277, R1675-82	3.2	22
7	Effects of acute and chronic food restriction on the insulin-like growth factor axis in the guinea pig. <i>Journal of Endocrinology</i> , <b>1998</b> , 157, 107-14	4.7	36
6	Response to dietary fat and cholesterol and genetic polymorphisms. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>1997</b> , 24, A21-5	3	8
5	Intravenous infusion of insulin-like growth factor I in fetal sheep reduces hepatic IGF-I and IGF-II mRNAs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>1996</b> , 271, R1632-7	3.2	7
4	Placental control of fetal growth. <i>Reproduction, Fertility and Development</i> , <b>1995</b> , 7, 333-44	1.8	70
3	Effect of restriction of placental growth on expression of IGFs in fetal sheep: relationship to fetal growth, circulating IGFs and binding proteins. <i>Journal of Endocrinology</i> , <b>1995</b> , 146, 23-34	4.7	56
2	Circulating insulin-like growth factors-I and -II and substrates in fetal sheep following restriction of placental growth. <i>Journal of Endocrinology</i> , <b>1994</b> , 140, 5-13	4.7	140
1	Plasma follicle stimulating hormone, ovulation rate and fertility in Merino ewes treated with bovine follicular fluid. <i>Animal Reproduction Science</i> , <b>1988</b> , 16, 27-38	2.1	2