Karen Kind

List of Publications by Year
in descending order

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Version: 2024-02-01

88 papers	3,251 citations	159358 30 h-index	161609 54 g-index
90 all docs	90 docs citations	90 times ranked	3290 citing authors

#	Article	IF	Citations
1	REDOX regulation of early embryo development. Reproduction, 2002, 123, 479-486.	1.1	282
2	Beyond oxygen: complex regulation and activity of hypoxia inducible factors in pregnancy. Human Reproduction Update, 2010, 16, 415-431.	5.2	206
3	Oxygen-Regulated Gene Expression in Bovine Blastocysts1. Biology of Reproduction, 2004, 71, 1108-1119.	1.2	156
4	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.	1.2	154
5	Diet around conception and during pregnancy â€“ effects on fetal and neonatal outcomes. Reproductive BioMedicine Online, 2006, 12, 532-541.	1.1	121
6	Maternal Food Restriction Reduces the Exchange Surface Area and Increases the Barrier Thickness of the Placenta in the Guinea-pig. Placenta, 2001, 22, 177-185.	0.7	107
7	Influence of oocyte-secreted factors and culture duration on the metabolic activity of bovine cumulus cell complexes. Reproduction, 2003, 126, 27-34.	1.1	107
8	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. Journal of Physiology, 2018, 596, 5535-5569.	1.3	105
9	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, 2783-2786.	0.4	103
10	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-R152.	0.9	97
11	Placental control of fetal growth. Reproduction, Fertility and Development, 1995, 7, 333.	0.1	89
12	Oxygen concentration during mouse oocyte in vitro maturation affects embryo and fetal development. Human Reproduction, 2007, 22, 2768-2775.	0.4	86
13	Oxygen-regulated expression ofGLUT-1,GLUT-3, andVEGF in the mouse blastocyst. Molecular Reproduction and Development, 2005, 70, 37-44.	1.0	77
14	Effect of culturing mouse embryos under different oxygen concentrations on subsequent fetal and placental development. Journal of Physiology, 2006, 572, 87-96.	1.3	77
15	Association of -3826 G Variant in uncoupling protein-1 with increased BMI in overweight Australian women. Diabetologia, 2000, 43, 242-244.	2.9	76
16	Effect of maternal feed restriction on blood pressure in the adult guinea pig. Experimental Physiology, 2002, 87, 469-477.	0.9	70
17	Review of the impact of heat stress on reproductive performance of sheep. Journal of Animal Science and Biotechnology, 2021, 12, 26.	2.1	66
18	Embryo culture and long-term consequences. Reproduction, Fertility and Development, 2007, 19, 43.	0.1	64

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19	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.	1.2	61
20	The Ovarian Antral Follicle: Living on the Edge of Hypoxia or Not?1. Biology of Reproduction, 2015, 92, 153.	1.2	61
21	Dietary fish oil alters cardiomyocyte Ca2+ dynamics and antioxidant status. Free Radical Biology and Medicine, 2006, 40, 1592-1602.	1.3	52
22	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-R126.	0.9	51
23	A review of the genetic and epigenetic factors affecting lamb survival. Animal Production Science, 2014, 54, 667.	0.6	49
24	Hormonally regulated follicle differentiation and luteinization in the mouse is associated with hypoxia inducible factor activity. Molecular and Cellular Endocrinology, 2010, 327, 47-55.	1.6	42
25	Effects of acute and chronic food restriction on the insulin-like growth factor axis in the guinea pig. Journal of Endocrinology, 1998, 157, 107-114.	1.2	38
26	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-R1682.	0.9	37
27	Differential expression of oxygen-regulated genes in bovine blastocysts. Molecular Reproduction and Development, 2007, 74, 290-299.	1.0	37
28	Complex Interactions Between Hypoxia Inducible Factors, Insulin-Like Growth Factor-II and Oxygen in Early Murine Trophoblasts. Placenta, 2007, 28, 1147-1157.	0.7	36
29	Programming the brain: Common outcomes and gaps in knowledge from animal studies of IUGR. Physiology and Behavior, 2016, 164, 233-248.	1.0	35
30	Effects of recombinant human follicle-stimulating hormone on embryo development in mice. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E845-E851.	1.8	32
31	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, S77-S82.	0.7	31
32	Microarray analysis of mRNA from cumulus cells following in vivo or in vitro maturation of mouse cumulusâ€“oocyte complexes. Reproduction, Fertility and Development, 2013, 25, 426.	0.1	31
33	Hemoglobin: a Gas Transport Molecule That Is Hormonally Regulated in the Ovarian Follicle in Mice and Humans1. Biology of Reproduction, 2015, 92, 26.	1.2	31
34	Regulation of Gene Expression in Bovine Blastocysts in Response to Oxygen and the Iron Chelator Desferrioxamine1. Biology of Reproduction, 2007, 77, 93-101.	1.2	30
35	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-E770.	1.8	29
36	Dioxin Affects Glucose Transport via the Arylhydrocarbon Receptor Signal Cascade in Pluripotent Embryonic Carcinoma Cells. Endocrinology, 2007, 148, 5902-5912.	1.4	28

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37	360His polymorphism of the apolipoproteinA-IV gene and plasma lipid response to energy restricted diets in overweight subjects. Atherosclerosis, 2000, 150, 187-192.	0.4	23
38	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.	1.7	19
39	Neonatal lamb mortality: major risk factors and the potential ameliorative role of melatonin. Journal of Animal Science and Biotechnology, 2020, 11, 107.	2.1	19
40	Responses to maternal GH or ractopamine during earlyâ€“mid pregnancy are similar in primiparous and multiparous pregnant pigs. Journal of Endocrinology, 2009, 203, 143-154.	1.2	18
41	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-E600.	1.8	18
42	Pre-birth origins of allergy and asthma. Journal of Reproductive Immunology, 2017, 123, 88-93.	0.8	17
43	Increased Placental Nutrient Transporter Expression at Midgestation after Maternal Growth Hormone Treatment in Pigs: A Placental Mechanism for Increased Fetal Growth1. Biology of Reproduction, 2012, 87, 126.	1.2	16
44	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.	0.1	16
45	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, 244-253.	1.0	16
46	Towards Improving the Outcomes of Assisted Reproductive Technologies of Cattle and Sheep, with Particular Focus on Recipient Management. Animals, 2020, 10, 293.	1.0	16
47	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-R446.	0.9	15
48	Oxygen-regulated gene expression in murine cumulus cells. Reproduction, Fertility and Development, 2015, 27, 407.	0.1	15
49	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.	0.1	14
50	Mechanisms contributing to the reduced developmental competence of glucosamine-exposed mouse oocytes. Reproduction, Fertility and Development, 2010, 22, 771.	0.1	14
51	Atlas of tissue- and developmental stage specific gene expression for the bovine insulin-like growth factor (IGF) system. PLoS ONE, 2018, 13, e0200466.	1.1	13
52	Altered pregnancy outcomes in mice following treatment with the hyperglycaemia mimetic, glucosamine, during the periconception period. Reproduction, Fertility and Development, 2013, 25, 405.	0.1	12
53	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.	0.7	12
54	â^'308 Nco I polymorphism of tumour necrosis factor Î± in overweight Caucasians. Diabetes Research and Clinical Practice, 2003, 62, 197-201.	1.1	11

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55	Split weaning increases the incidence of lactation oestrus in boar-exposed sows. Animal Reproduction Science, 2013, 142, 48-55.	0.5	11
56	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-R1637.	0.9	10
57	RESPONSE TO DIETARY FAT AND CHOLESTEROL AND GENETIC POLYMORPHISMS. Clinical and Experimental Pharmacology and Physiology, 1997, 24, A21-5.	0.9	10
58	Controlling lactation oestrus: The final frontier for breeding herd management. Molecular Reproduction and Development, 2017, 84, 883-896.	1.0	10
59	Maternal responses to daily maternal porcine somatotropin injections during early-mid pregnancy or early-late pregnancy in sows and gilts1. Journal of Animal Science, 2010, 88, 1365-1378.	0.2	9
60	Lactation estrus induction in multi- and primiparous sows in an Australian commercial pork production system1. Journal of Animal Science, 2014, 92, 2265-2274.	0.2	9
61	Maternal melatonin implants improve twin Merino lamb survival. Journal of Animal Science, 2020, 98, .	0.2	9
62	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, .	0.2	9
63	Oral caffeine administered during late gestation increases gestation length and piglet temperature in naturally farrowing sows. Animal Reproduction Science, 2018, 198, 160-166.	0.5	8
64	Caffeine: A potential strategy to improve survival of neonatal pigs and sheep. Animal Reproduction Science, 2021, 226, 106700.	0.5	8
65	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.	1.2	8
66	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.	0.7	7
67	Boar contact is an effective stimulant of ovulation during early lactation. Livestock Science, 2013, 155, 454-458.	0.6	6
68	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.	1.0	6
69	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.	0.1	6
70	Hemoglobin: potential roles in the oocyte and early embryoâ€. Biology of Reproduction, 2019, 101, 262-270.	1.2	6
71	Haemoglobin expression in in vivo murine preimplantation embryos suggests a role in oxygen-regulated gene expression. Reproduction, Fertility and Development, 2019, 31, 724.	0.1	6
72	Effects of lactation length and boar contact in early lactation on expression of oestrus in multiparous sows. Animal Reproduction Science, 2014, 149, 238-244.	0.5	5

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73	Off to the right start: how pregnancy and early life can determine future animal health and production. Animal Production Science, 2018, 58, 459.	0.6	5
74	Plasma anti-MÃ¼llerian 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.	0.1	5
75	Oestrous phase cyclicity influences judgment biasing in rats. Behavioural Processes, 2018, 157, 678-684.	0.5	4
76	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.	0.9	4
77	Gamete cryopreservation of Australian 'old endemic' rodents â€“ spermatozoa from the plains mouse (Pseudomys australis) and spinifex hopping mouse (Notomys alexis). Australian Mammalogy, 2018, 40, 76.	0.7	4
78	The effects of season and moderate nutritional restriction on ovarian function and oocyte nuclear maturation in cycling gilts. Theriogenology, 2014, 82, 1303-1309.	0.9	3
79	Optimal timing of boar exposure relative to parturition for stimulation of lactation oestrus. Livestock Science, 2015, 177, 181-188.	0.6	3
80	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.	0.9	3
81	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.	0.5	3
82	Plasma follicle stimulating hormone, ovulation rate and fertility in Merino ewes treated with bovine follicular fluid. Animal Reproduction Science, 1988, 16, 27-38.	0.5	2
83	Maternal low-dose porcine somatotropin treatment in late gestation increases progeny weight at birth and weaning in sows, but not in gilts1. Journal of Animal Science, 2012, 90, 1428-1435.	0.2	2
84	The Phosphodiesterase Inhibitor, Isobutyl-1-Methylxanthine Prevents the Sudden Drop in Cyclic Adenosine Monophosphate Concentration and Modulates Glucose Metabolism of Equine Cumulusâ€“Oocyte Complexes Matured inÂVitro. Journal of Equine Veterinary Science, 2020, 91, 103112.	0.4	2
85	Late pregnancy increases hepatic expression of insulin-like growth factor-I in well nourished guinea pigs. Growth Hormone and IGF Research, 2005, 15, 165-171.	0.5	1
86	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.	0.9	1
87	Early Embryo Environment and Developmental Potential. , 2009, , 65-77.		0
88	339 OXYGEN CONCENTRATION DURING IN VITRO MATURATION OF MURINE OOCYTES INFLUENCES SUBSEQUENT FETAL AND PLACENTAL OUTCOMES. Reproduction, Fertility and Development, 2007, 19, 285.	0.1	0