

Jennifer L Juengel

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91
papers

4,888
citations

33
h-index

69
g-index

95
ext. papers

5,304
ext. citations

4
avg, IF

4.9
L-index

#	Paper	IF	Citations
91	Mutations in an oocyte-derived growth factor gene (BMP15) cause increased ovulation rate and infertility in a dosage-sensitive manner. <i>Nature Genetics</i> , 2000 , 25, 279-83	36.3	779
90	Mechanisms controlling the function and life span of the corpus luteum. <i>Physiological Reviews</i> , 2000 , 80, 1-29	47.9	699
89	Highly prolific Booroola sheep have a mutation in the intracellular kinase domain of bone morphogenetic protein 1B receptor (ALK-6) that is expressed in both oocytes and granulosa cells. <i>Biology of Reproduction</i> , 2001 , 64, 1225-35	3.9	379
88	Growth differentiation factor 9 and bone morphogenetic protein 15 are essential for ovarian follicular development in sheep. <i>Biology of Reproduction</i> , 2002 , 67, 1777-89	3.9	237
87	Formation of ovarian follicles during fetal development in sheep. <i>Biology of Reproduction</i> , 2002 , 66, 1134-50	3.5	164
86	Bone morphogenetic protein 15 and growth differentiation factor 9 co-operate to regulate granulosa cell function in ruminants. <i>Reproduction</i> , 2005 , 129, 481-7	3.8	153
85	Bone morphogenetic protein 15 and growth differentiation factor 9 co-operate to regulate granulosa cell function. <i>Reproduction</i> , 2005 , 129, 473-80	3.8	129
84	Oocyte-expressed genes affecting ovulation rate. <i>Molecular and Cellular Endocrinology</i> , 2005 , 234, 57-66	4.4	101
83	Growth and paracrine factors regulating follicular formation and cellular function. <i>Molecular and Cellular Endocrinology</i> , 2000 , 163, 11-20	4.4	100
82	Physiology of GDF9 and BMP15 signalling molecules. <i>Animal Reproduction Science</i> , 2004 , 82-83, 447-60	2.1	97
81	Oestrogen receptor alpha and beta, androgen receptor and progesterone receptor mRNA and protein localisation within the developing ovary and in small growing follicles of sheep. <i>Reproduction</i> , 2006 , 131, 81-92	3.8	96
80	Effects of immunization against bone morphogenetic protein 15 and growth differentiation factor 9 on ovulation rate, fertilization, and pregnancy in ewes. <i>Biology of Reproduction</i> , 2004 , 70, 557-61	3.9	86
79	Origins of follicular cells and ontogeny of steroidogenesis in ovine fetal ovaries. <i>Molecular and Cellular Endocrinology</i> , 2002 , 191, 1-10	4.4	79
78	Ontogeny of steroidogenesis in the fetal sheep gonad. <i>Biology of Reproduction</i> , 2001 , 65, 216-28	3.9	70
77	The role of bone morphogenetic proteins 2, 4, 6 and 7 during ovarian follicular development in sheep: contrast to rat. <i>Reproduction</i> , 2006 , 131, 501-13	3.8	67
76	The proregion of mouse BMP15 regulates the cooperative interactions of BMP15 and GDF9. <i>Biology of Reproduction</i> , 2008 , 79, 889-96	3.9	65
75	Patterns of expression of messenger RNAs encoding GDF9, BMP15, TGFBR1, BMP1B, and BMP2 during follicular development and characterization of ovarian follicular populations in ewes carrying the Woodlands FecX2W mutation. <i>Biology of Reproduction</i> , 2007 , 77, 990-8	3.9	59

74	The effects of immunizing sheep with different BMP15 or GDF9 peptide sequences on ovarian follicular activity and ovulation rate. <i>Biology of Reproduction</i> , 2007 , 76, 552-60	3.9	57
73	Hormonal regulation of monocyte chemoattractant protein-1 messenger ribonucleic acid expression in corpora lutea. <i>Endocrinology</i> , 1997 , 138, 4517-20	4.8	56
72	Bmp15 mutations and ovarian function. <i>Molecular and Cellular Endocrinology</i> , 2002 , 191, 15-8	4.4	56
71	Protein kinase C second messenger system mediates the antisteroidogenic effects of prostaglandin F2 alpha in the ovine corpus luteum in vivo. <i>Biology of Reproduction</i> , 1994 , 51, 800-6	3.9	53
70	Expression of mRNA encoding growth differentiation factor 9 and bone morphogenetic protein 15 during follicular formation and growth in a marsupial, the brushtail possum (<i>Trichosurus vulpecula</i>). <i>Molecular and Cellular Endocrinology</i> , 2002 , 192, 115-26	4.4	52
69	The cooperative effect of growth and differentiation factor-9 and bone morphogenetic protein (BMP)-15 on granulosa cell function is modulated primarily through BMP receptor II. <i>Endocrinology</i> , 2008 , 149, 1026-30	4.8	48
68	Using sheep lines with mutations in single genes to better understand ovarian function. <i>Reproduction</i> , 2013 , 146, R111-23	3.8	45
67	Effects of active immunization against growth differentiation factor 9 and/or bone morphogenetic protein 15 on ovarian function in cattle. <i>Reproduction</i> , 2009 , 138, 107-14	3.8	44
66	Characterization of recombinant human growth differentiation factor-9 signaling in ovarian granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2008 , 283, 58-67	4.4	44
65	Pulsatile gonadotropin-releasing hormone (GnRH) increases concentrations of GnRH receptor messenger ribonucleic acid and numbers of GnRH receptors during luteolysis in the ewe. <i>Biology of Reproduction</i> , 1995 , 53, 418-23	3.9	44
64	The role of transforming growth factor-beta (TGF-beta) during ovarian follicular development in sheep. <i>Reproductive Biology and Endocrinology</i> , 2004 , 2, 78	5	42
63	Steroidogenic Acute Regulatory Protein and Peripheral-Type Benzodiazepine Receptor Associate at the Mitochondrial Membrane		38
62	Signalling pathways involved in the cooperative effects of ovine and murine GDF9+BMP15-stimulated thymidine uptake by rat granulosa cells. <i>Reproduction</i> , 2011 , 142, 123-31	3.8	36
61	Meat and Livestock Association Plenary Lecture 2005. Oocyte signalling molecules and their effects on reproduction in ruminants. <i>Reproduction, Fertility and Development</i> , 2006 , 18, 403-12	1.8	36
60	Oocytes in sheep homozygous for a mutation in bone morphogenetic protein receptor 1B express lower mRNA levels of bone morphogenetic protein 15 but not growth differentiation factor 9. <i>Reproduction</i> , 2011 , 142, 53-61	3.8	34
59	Onset of steroidogenic enzyme gene expression during ovarian follicular development in sheep. <i>Biology of Reproduction</i> , 2002 , 66, 906-16	3.9	33
58	Association between antral follicle count and reproductive measures in New Zealand lactating dairy cows maintained in a pasture-based production system. <i>Theriogenology</i> , 2016 , 85, 466-75	2.8	31
57	The bioactivity of human bone morphogenetic protein-15 is sensitive to C-terminal modification: characterization of the purified untagged processed mature region. <i>Molecular and Cellular Endocrinology</i> , 2011 , 332, 106-15	4.4	31

56	The Role of Oocyte Organelles in Determining Developmental Competence. <i>Biology</i> , 2017 , 6,	4.9	30
55	Divergence of intracellular signaling pathways and early response genes of two closely related fibroblast growth factors, FGF8 and FGF18, in bovine ovarian granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2013 , 375, 97-105	4.4	28
54	Development of the ovary and ontogeny of mRNA and protein for P450 aromatase (arom) and estrogen receptors (ER) alpha and beta during early fetal life in cattle. <i>Animal Reproduction Science</i> , 2010 , 117, 24-33	2.1	28
53	Gonadotrophin-responsiveness of granulosa cells from bone morphogenetic protein 15 heterozygous mutant sheep. <i>Reproduction</i> , 2009 , 138, 545-51	3.8	28
52	Gene expression in abnormal ovarian structures of ewes homozygous for the inverdale prolificacy gene. <i>Biology of Reproduction</i> , 2000 , 62, 1467-78	3.9	28
51	Booroola BMPR1B mutation alters early follicular development and oocyte ultrastructure in sheep. <i>Reproduction, Fertility and Development</i> , 2012 , 24, 353-61	1.8	27
50	Effect of age, weight, and sire on embryo and fetal survival in sheep. <i>Journal of Animal Science</i> , 2013 , 91, 4641-53	0.7	27
49	Active immunization against the proregions of GDF9 or BMP15 alters ovulation rate and litter size in mice. <i>Reproduction</i> , 2012 , 143, 195-201	3.8	25
48	Morphological development and characterization of aromatase and estrogen receptors alpha and beta in fetal ovaries of cattle from days 110 to 250. <i>Animal Reproduction Science</i> , 2010 , 117, 43-54	2.1	22
47	Effects of species differences on oocyte regulation of granulosa cell function. <i>Reproduction</i> , 2012 , 144, 557-67	3.8	22
46	The activin receptor-like kinase 6 Booroola mutation enhances suppressive effects of bone morphogenetic protein 2 (BMP2), BMP4, BMP6 and growth and differentiation factor-9 on FSH release from ovine primary pituitary cell cultures. <i>Journal of Endocrinology</i> , 2008 , 196, 251-61	4.7	22
45	Expression of anti-Müllerian hormone mRNA during gonadal and follicular development in the brushtail possum (<i>Trichosurus vulpecula</i>). <i>Reproduction, Fertility and Development</i> , 2002 , 14, 345-53	1.8	20
44	Oocyte expression, secretion and somatic cell interaction of mouse bone morphogenetic protein 15 during the peri-ovulatory period. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 801-11	1.8	19
43	Signalling pathways involved in the synergistic effects of human growth differentiation factor 9 and bone morphogenetic protein 15. <i>Reproduction, Fertility and Development</i> , 2016 , 28, 491-8	1.8	19
42	Effects of acetyl-L-carnitine on lamb oocyte blastocyst rate, ultrastructure, and mitochondrial DNA copy number. <i>Theriogenology</i> , 2015 , 83, 1484-92	2.8	18
41	Limits on hogget lambing: the fertility of the young ewe. <i>New Zealand Journal of Agricultural Research</i> , 2017 , 60, 1-22	1.9	17
40	Identification of a line of sheep carrying a putative autosomal gene increasing ovulation rate in sheep that does not appear to interact with mutations in the transforming growth factor beta superfamily. <i>Biology of Reproduction</i> , 2011 , 85, 113-20	3.9	17
39	Gene expression of the tyrosine kinase receptor c-kit during ovarian development in the brushtail possum (<i>Trichosurus vulpecula</i>). <i>Biology of Reproduction</i> , 2002 , 66, 346-53	3.9	17

38	Ovarian expression of messenger RNA encoding the receptors for luteinizing hormone and follicle-stimulating hormone in a marsupial, the brushtail possum (<i>Trichosurus vulpecula</i>). <i>Biology of Reproduction</i> , 2002 , 66, 1310-7	3.9	17
37	Successful induction of oestrus, ovulation and pregnancy in adult ewes and ewe lambs out of the breeding season using a GnRH+progesterone oestrus synchronisation protocol. <i>Animal Reproduction Science</i> , 2015 , 155, 28-35	2.1	16
36	Effects of immunizing ewes against bone morphogenetic protein 15 on their responses to exogenous gonadotrophins to induce multiple ovulations. <i>Reproduction</i> , 2011 , 142, 565-72	3.8	16
35	Mitochondria and vesicles differ between adult and prepubertal sheep oocytes during IVM. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 513-22	1.8	14
34	Concentration of mRNA encoding 3 beta-hydroxysteroid dehydrogenase/delta 5,delta 4 isomerase (3 beta-HSD) and 3 beta-HSD enzyme activity following treatment of ewes with prostaglandin F2 alpha. <i>Endocrine</i> , 1998 , 8, 45-50		14
33	Mutations in the leptin receptor gene associated with delayed onset of puberty are also associated with decreased ovulation and lambing rates in prolific Daisdale sheep. <i>Reproduction, Fertility and Development</i> , 2015 ,	1.8	13
32	The corpus luteum and interstitial tissue in a marsupial, the brushtail possum (<i>Trichosurus vulpecula</i>). <i>Molecular and Cellular Endocrinology</i> , 2002 , 191, 81-7	4.4	13
31	Factors affecting differences between birth weight of littermates (BWTd) and the effects of BWTd on lamb performance. <i>Animal Reproduction Science</i> , 2018 , 191, 34-43	2.1	12
30	Early embryo loss, morphology, and effect of previous immunization against androstenedione in the ewe. <i>Theriogenology</i> , 2016 , 86, 1285-93	2.8	12
29	Reduced ovulation rate, failure to be mated and fertilization failure/embryo loss are the underlying causes of poor reproductive performance in juvenile ewes. <i>Animal Reproduction Science</i> , 2016 , 167, 125-32	2.1	11
28	Single-nucleotide polymorphisms in the LEPR gene are associated with divergent phenotypes for age at onset of puberty in Daisdale ewes. <i>Biology of Reproduction</i> , 2014 , 90, 33	3.9	11
27	The role of IGFs in the regulation of ovarian follicular growth in the brushtail possum (<i>Trichosurus vulpecula</i>). <i>Reproduction</i> , 2010 , 140, 295-303	3.8	11
26	Effects of ovariectomy and hypothalamic-pituitary disconnection on amounts of steroidogenic factor-1 mRNA in the ovine anterior pituitary gland. <i>Endocrine</i> , 1997 , 6, 251-6	4	11
25	Determination of steroidogenic potential of ovarian cells of the brushtail possum (<i>Trichosurus vulpecula</i>). <i>Biology of Reproduction</i> , 2003 , 69, 947-58	3.9	11
24	Expression of the FcRn receptor (alpha and beta) gene homologues in the intestine of suckling brushtail possum (<i>Trichosurus vulpecula</i>) pouch young. <i>Molecular Immunology</i> , 2003 , 39, 707-17	4.3	11
23	Ovarian characteristics in sheep with multiple fecundity genes. <i>Reproduction</i> , 2017 , 153, 233-240	3.8	10
22	Expression of wilmsTumor gene and protein localization during ovarian formation and follicular development in sheep. <i>Biology of Reproduction</i> , 2003 , 68, 635-43	3.9	10
21	Activin A and follistatin during the oestrous cycle and early pregnancy in ewes. <i>Journal of Endocrinology</i> , 2016 , 228, 193-203	4.7	9

20	Postnatal uterine development in Inverdale ewe lambs. <i>Reproduction</i> , 2008 , 135, 357-65	3.8	9
19	An earlier rise in systemic progesterone and increased progesterone in the uterine vein during early pregnancy are associated with enhanced embryonic survival in the ewe. <i>Theriogenology</i> , 2013 , 80, 269-74	2.8	8
18	Differential expression of CART in ewes with differing ovulation rates. <i>Reproduction</i> , 2017 , 153, 471-479	3.8	7
17	Heterozygous Inverdale ewes show increased ovulation rate sensitivity to pre-mating nutrition. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 866-75	1.8	7
16	Luteal expression of steroidogenic factor-1 mRNA during the estrous cycle and in response to luteotropic and luteolytic stimuli in ewes. <i>Endocrine</i> , 1998 , 9, 227-32		7
15	Attainment of puberty by ewes in the first year of life is associated with improved reproductive performance at 2 years of age. <i>Small Ruminant Research</i> , 2015 , 123, 118-123	1.7	6
14	Evolution of cyclin B3 shows an abrupt three-fold size increase, due to the extension of a single exon in placental mammals, allowing for new protein-protein interactions. <i>Molecular Biology and Evolution</i> , 2012 , 29, 3855-71	8.3	6
13	Expression of mRNAs encoding oestrogen receptor (ER) alpha and ERbeta, androgen receptor and progesterone receptor during gonadal and follicular development in the marsupial brushtail possum (<i>Trichosurus vulpecula</i>). <i>Reproduction, Fertility and Development</i> , 2008 , 20, 335-49	1.8	6
12	Gestational nutrition 1: alterations to gestational nutrition can increase indicators of fertility in sheep. <i>Reproduction</i> , 2019 , 157, 199-213	3.8	5
11	Hyper-Prolific Ewes Carrying Copies of Three Major Genes: A Model for Studying Genes Controlling Ovulation Rate.. <i>Biology of Reproduction</i> , 2008 , 78, 110-110	3.9	5
10	How the quest to improve sheep reproduction provided insight into oocyte control of follicular development. <i>Journal of the Royal Society of New Zealand</i> , 2018 , 48, 143-163	2	4
9	The local regulation of folliculogenesis by members of the transforming growth factor superfamily and its relevance for advanced breeding programmes. <i>Animal Reproduction</i> , 2018 , 15, 180-190	1.7	4
8	Gestational nutrition 2: gene expression in sheep fetal ovaries exposed to gestational under nutrition. <i>Reproduction</i> , 2019 , 157, 13-25	3.8	3
7	Characterization of local and peripheral immune system in pregnant and nonpregnant ewes. <i>Journal of Animal Science</i> , 2021 , 99,	0.7	3
6	Heritability of ram mating success in multi-sire breeding situations. <i>Animal</i> , 2019 , 13, 917-923	3.1	3
5	Identification of Second Messenger Pathways Involved in the Cooperative Effects of Ovine GDF9 & BMP15 Stimulated Thymidine Uptake by Rat Granulosa Cells.. <i>Biology of Reproduction</i> , 2008 , 78, 170-171	3.9	2
4	Creation of DNA aptamers against recombinant bone morphogenetic protein 15. <i>Reproduction, Fertility and Development</i> , 2015 ,	1.8	2
3	Association of fertility with group mating behavior in ewes. <i>Animal Reproduction Science</i> , 2020 , 216, 106359	3.59	1

- 2 The follicular microenvironment in low (++) and high (I+B+) ovulation rate ewes. *Reproduction*, **2020**, 159, 585-599 3.8 1
- 1 Expression of Adrenomedullin mRNA During Follicular Development in Sheep.. *Biology of Reproduction*, **2008**, 78, 287-287 3.9