

# Jennifer L Juengel

## 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.

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	Characterization of local and peripheral immune system in pregnant and nonpregnant ewes. <i>Journal of Animal Science</i> , <b>2021</b> , 99,	0.7	3
90	Association of fertility with group mating behavior in ewes. <i>Animal Reproduction Science</i> , <b>2020</b> , 216, 106359	3.8	1
89	The follicular microenvironment in low (++) and high (I+B+) ovulation rate ewes. <i>Reproduction</i> , <b>2020</b> , 159, 585-599	3.8	1
88	Gestational nutrition 1: alterations to gestational nutrition can increase indicators of fertility in sheep. <i>Reproduction</i> , <b>2019</b> , 157, 199-213	3.8	5
87	Gestational nutrition 2: gene expression in sheep fetal ovaries exposed to gestational under nutrition. <i>Reproduction</i> , <b>2019</b> , 157, 13-25	3.8	3
86	Heritability of ram mating success in multi-sire breeding situations. <i>Animal</i> , <b>2019</b> , 13, 917-923	3.1	3
85	Factors affecting differences between birth weight of littermates (BWTD) and the effects of BWTD on lamb performance. <i>Animal Reproduction Science</i> , <b>2018</b> , 191, 34-43	2.1	12
84	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> , <b>2018</b> , 48, 143-163	2	4
83	The local regulation of folliculogenesis by members of the transforming growth factor superfamily and its relevance for advanced breeding programmes. <i>Animal Reproduction</i> , <b>2018</b> , 15, 180-190	1.7	4
82	Differential expression of CART in ewes with differing ovulation rates. <i>Reproduction</i> , <b>2017</b> , 153, 471-479	3.8	7
81	Limits on hogget lambing: the fertility of the young ewe. <i>New Zealand Journal of Agricultural Research</i> , <b>2017</b> , 60, 1-22	1.9	17
80	Ovarian characteristics in sheep with multiple fecundity genes. <i>Reproduction</i> , <b>2017</b> , 153, 233-240	3.8	10
79	The Role of Oocyte Organelles in Determining Developmental Competence. <i>Biology</i> , <b>2017</b> , 6,	4.9	30
78	Signalling pathways involved in the synergistic effects of human growth differentiation factor 9 and bone morphogenetic protein 15. <i>Reproduction, Fertility and Development</i> , <b>2016</b> , 28, 491-8	1.8	19
77	Activin A and follistatin during the oestrous cycle and early pregnancy in ewes. <i>Journal of Endocrinology</i> , <b>2016</b> , 228, 193-203	4.7	9
76	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> , <b>2016</b> , 167, 125-32	2.1	11
75	Association between antral follicle count and reproductive measures in New Zealand lactating dairy cows maintained in a pasture-based production system. <i>Theriogenology</i> , <b>2016</b> , 85, 466-75	2.8	31

74	Early embryo loss, morphology, and effect of previous immunization against androstenedione in the ewe. <i>Theriogenology</i> , <b>2016</b> , 86, 1285-93	2.8	12
73	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> , <b>2015</b> ,	1.8	13
72	Effects of acetyl-L-carnitine on lamb oocyte blastocyst rate, ultrastructure, and mitochondrial DNA copy number. <i>Theriogenology</i> , <b>2015</b> , 83, 1484-92	2.8	18
71	Oocyte expression, secretion and somatic cell interaction of mouse bone morphogenetic protein 15 during the peri-ovulatory period. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 801-11	1.8	19
70	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> , <b>2015</b> , 123, 118-123	1.7	6
69	Mitochondria and vesicles differ between adult and prepubertal sheep oocytes during IVM. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 513-22	1.8	14
68	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> , <b>2015</b> , 155, 28-35	2.1	16
67	Creation of DNA aptamers against recombinant bone morphogenetic protein 15. <i>Reproduction, Fertility and Development</i> , <b>2015</b> ,	1.8	2
66	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> , <b>2014</b> , 90, 33	3.9	11
65	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> , <b>2013</b> , 80, 269-74	2.8	8
64	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> , <b>2013</b> , 375, 97-105	4.4	28
63	Using sheep lines with mutations in single genes to better understand ovarian function. <i>Reproduction</i> , <b>2013</b> , 146, R111-23	3.8	45
62	Effect of age, weight, and sire on embryo and fetal survival in sheep. <i>Journal of Animal Science</i> , <b>2013</b> , 91, 4641-53	0.7	27
61	Active immunization against the proregions of GDF9 or BMP15 alters ovulation rate and litter size in mice. <i>Reproduction</i> , <b>2012</b> , 143, 195-201	3.8	25
60	Booroola BMPR1B mutation alters early follicular development and oocyte ultrastructure in sheep. <i>Reproduction, Fertility and Development</i> , <b>2012</b> , 24, 353-61	1.8	27
59	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> , <b>2012</b> , 29, 3855-71	8.3	6
58	Effects of species differences on oocyte regulation of granulosa cell function. <i>Reproduction</i> , <b>2012</b> , 144, 557-67	3.8	22
57	Heterozygous Inverdale ewes show increased ovulation rate sensitivity to pre-mating nutrition. <i>Reproduction, Fertility and Development</i> , <b>2011</b> , 23, 866-75	1.8	7

56	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> , <b>2011</b> , 332, 106-15	4.4	31
55	Signalling pathways involved in the cooperative effects of ovine and murine GDF9+BMP15-stimulated thymidine uptake by rat granulosa cells. <i>Reproduction</i> , <b>2011</b> , 142, 123-31	3.8	36
54	Effects of immunizing ewes against bone morphogenetic protein 15 on their responses to exogenous gonadotrophins to induce multiple ovulations. <i>Reproduction</i> , <b>2011</b> , 142, 565-72	3.8	16
53	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> , <b>2011</b> , 85, 113-20	3.9	17
52	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> , <b>2011</b> , 142, 53-61	3.8	34
51	The role of IGFs in the regulation of ovarian follicular growth in the brushtail possum ( <i>Trichosurus vulpecula</i> ). <i>Reproduction</i> , <b>2010</b> , 140, 295-303	3.8	11
50	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> , <b>2010</b> , 117, 43-54	2.1	22
49	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> , <b>2010</b> , 117, 24-33	2.1	28
48	Effects of active immunization against growth differentiation factor 9 and/or bone morphogenetic protein 15 on ovarian function in cattle. <i>Reproduction</i> , <b>2009</b> , 138, 107-14	3.8	44
47	Gonadotrophin-responsiveness of granulosa cells from bone morphogenetic protein 15 heterozygous mutant sheep. <i>Reproduction</i> , <b>2009</b> , 138, 545-51	3.8	28
46	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> , <b>2008</b> , 149, 1026-30	4.8	48
45	Characterization of recombinant human growth differentiation factor-9 signaling in ovarian granulosa cells. <i>Molecular and Cellular Endocrinology</i> , <b>2008</b> , 283, 58-67	4.4	44
44	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> , <b>2008</b> , 196, 251-61	4.7	22
43	Postnatal uterine development in Inverdale ewe lambs. <i>Reproduction</i> , <b>2008</b> , 135, 357-65	3.8	9
42	The proregion of mouse BMP15 regulates the cooperative interactions of BMP15 and GDF9. <i>Biology of Reproduction</i> , <b>2008</b> , 79, 889-96	3.9	65
41	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> , <b>2008</b> , 20, 335-49	1.8	6
40	Expression of Adrenomedullin mRNA During Follicular Development in Sheep.. <i>Biology of Reproduction</i> , <b>2008</b> , 78, 287-287	3.9	
39	Hyper-Prolific Ewes Carrying Copies of Three Major Genes: A Model for Studying Genes Controlling Ovulation Rate.. <i>Biology of Reproduction</i> , <b>2008</b> , 78, 110-110	3.9	5

38	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> , <b>2008</b> , 78, 170-171	3.9	2
37	Patterns of expression of messenger RNAs encoding GDF9, BMP15, TGFB1, BMP1B, and BMP2 during follicular development and characterization of ovarian follicular populations in ewes carrying the Woodlands FecX2W mutation. <i>Biology of Reproduction</i> , <b>2007</b> , 77, 990-8	3.9	59
36	The effects of immunizing sheep with different BMP15 or GDF9 peptide sequences on ovarian follicular activity and ovulation rate. <i>Biology of Reproduction</i> , <b>2007</b> , 76, 552-60	3.9	57
35	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> , <b>2006</b> , 131, 81-92	3.8	96
34	The role of bone morphogenetic proteins 2, 4, 6 and 7 during ovarian follicular development in sheep: contrast to rat. <i>Reproduction</i> , <b>2006</b> , 131, 501-13	3.8	67
33	Meat and Livestock Association Plenary Lecture 2005. Oocyte signalling molecules and their effects on reproduction in ruminants. <i>Reproduction, Fertility and Development</i> , <b>2006</b> , 18, 403-12	1.8	36
32	Oocyte-expressed genes affecting ovulation rate. <i>Molecular and Cellular Endocrinology</i> , <b>2005</b> , 234, 57-66	4.4	101
31	Bone morphogenetic protein 15 and growth differentiation factor 9 co-operate to regulate granulosa cell function in ruminants. <i>Reproduction</i> , <b>2005</b> , 129, 481-7	3.8	153
30	Bone morphogenetic protein 15 and growth differentiation factor 9 co-operate to regulate granulosa cell function. <i>Reproduction</i> , <b>2005</b> , 129, 473-80	3.8	129
29	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> , <b>2004</b> , 70, 557-61	3.9	86
28	The role of transforming growth factor-beta (TGF-beta) during ovarian follicular development in sheep. <i>Reproductive Biology and Endocrinology</i> , <b>2004</b> , 2, 78	5	42
27	Physiology of GDF9 and BMP15 signalling molecules. <i>Animal Reproduction Science</i> , <b>2004</b> , 82-83, 447-60	2.1	97
26	Determination of steroidogenic potential of ovarian cells of the brushtail possum ( <i>Trichosurus vulpecula</i> ). <i>Biology of Reproduction</i> , <b>2003</b> , 69, 947-58	3.9	11
25	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> , <b>2003</b> , 39, 707-17	4.3	11
24	Expression of wilmsTumor gene and protein localization during ovarian formation and follicular development in sheep. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 635-43	3.9	10
23	Growth differentiation factor 9 and bone morphogenetic protein 15 are essential for ovarian follicular development in sheep. <i>Biology of Reproduction</i> , <b>2002</b> , 67, 1777-89	3.9	237
22	Formation of ovarian follicles during fetal development in sheep. <i>Biology of Reproduction</i> , <b>2002</b> , 66, 1134-50	4.5	164
21	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> , <b>2002</b> , 66, 346-53	3.9	17

20	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> , <b>2002</b> , 66, 1310-7	3.9	17
19	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> , <b>2002</b> , 14, 345-53	1.8	20
18	Origins of follicular cells and ontogeny of steroidogenesis in ovine fetal ovaries. <i>Molecular and Cellular Endocrinology</i> , <b>2002</b> , 191, 1-10	4.4	79
17	Bmp15 mutations and ovarian function. <i>Molecular and Cellular Endocrinology</i> , <b>2002</b> , 191, 15-8	4.4	56
16	The corpus luteum and interstitial tissue in a marsupial, the brushtail possum ( <i>Trichosurus vulpecula</i> ). <i>Molecular and Cellular Endocrinology</i> , <b>2002</b> , 191, 81-7	4.4	13
15	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> , <b>2002</b> , 192, 115-26	4.4	52
14	Onset of steroidogenic enzyme gene expression during ovarian follicular development in sheep. <i>Biology of Reproduction</i> , <b>2002</b> , 66, 906-16	3.9	33
13	Highly prolific Booroola sheep have a mutation in the intracellular kinase domain of bone morphogenetic protein IB receptor (ALK-6) that is expressed in both oocytes and granulosa cells. <i>Biology of Reproduction</i> , <b>2001</b> , 64, 1225-35	3.9	379
12	Ontogeny of steroidogenesis in the fetal sheep gonad. <i>Biology of Reproduction</i> , <b>2001</b> , 65, 216-28	3.9	70
11	Mutations in an oocyte-derived growth factor gene (BMP15) cause increased ovulation rate and infertility in a dosage-sensitive manner. <i>Nature Genetics</i> , <b>2000</b> , 25, 279-83	36.3	779
10	Mechanisms controlling the function and life span of the corpus luteum. <i>Physiological Reviews</i> , <b>2000</b> , 80, 1-29	47.9	699
9	Gene expression in abnormal ovarian structures of ewes homozygous for the inverdale prolificacy gene. <i>Biology of Reproduction</i> , <b>2000</b> , 62, 1467-78	3.9	28
8	Growth and paracrine factors regulating follicular formation and cellular function. <i>Molecular and Cellular Endocrinology</i> , <b>2000</b> , 163, 11-20	4.4	100
7	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> , <b>1998</b> , 8, 45-50		14
6	Luteal expression of steroidogenic factor-1 mRNA during the estrous cycle and in response to luteotropic and luteolytic stimuli in ewes. <i>Endocrine</i> , <b>1998</b> , 9, 227-32		7
5	Hormonal regulation of monocyte chemoattractant protein-1 messenger ribonucleic acid expression in corpora lutea. <i>Endocrinology</i> , <b>1997</b> , 138, 4517-20	4.8	56
4	Effects of ovariectomy and hypothalamic-pituitary disconnection on amounts of steroidogenic factor-1 mRNA in the ovine anterior pituitary gland. <i>Endocrine</i> , <b>1997</b> , 6, 251-6	4	11
3	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> , <b>1995</b> , 53, 418-23	3.9	44

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|---|--|-----|----|
| 2 | 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> , <b>1994</b> , 51, 800-6 | 3·9 | 53 |
| 1 | Steroidogenic Acute Regulatory Protein and Peripheral-Type Benzodiazepine Receptor Associate at the Mitochondrial Membrane   |     | 38 |