

# Jennifer L Juengel

## List of Publications by Year in descending order

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95  
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5,863  
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docs citations

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times ranked

3430  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 279-283.	9.4	932
2	Mechanisms Controlling the Function and Life Span of the Corpus Luteum. <i>Physiological Reviews</i> , 2000, 80, 1-29.	13.1	812
3	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 Cells1. <i>Biology of Reproduction</i> , 2001, 64, 1225-1235.	1.2	475
4	Growth Differentiation Factor 9 and Bone Morphogenetic Protein 15 Are Essential for Ovarian Follicular Development in Sheep1. <i>Biology of Reproduction</i> , 2002, 67, 1777-1789.	1.2	266
5	Formation of Ovarian Follicles During Fetal Development in Sheep1. <i>Biology of Reproduction</i> , 2002, 66, 1134-1150.	1.2	189
6	Bone morphogenetic protein 15 and growth differentiation factor 9 co-operate to regulate granulosa cell function in ruminants. <i>Reproduction</i> , 2005, 129, 481-487.	1.1	179
7	Bone morphogenetic protein 15 and growth differentiation factor 9 co-operate to regulate granulosa cell function. <i>Reproduction</i> , 2005, 129, 473-480.	1.1	144
8	Oocyte-expressed genes affecting ovulation rate. <i>Molecular and Cellular Endocrinology</i> , 2005, 234, 57-66.	1.6	120
9	Growth and paracrine factors regulating follicular formation and cellular function. <i>Molecular and Cellular Endocrinology</i> , 2000, 163, 11-20.	1.6	114
10	Physiology of GDF9 and BMP15 signalling molecules. <i>Animal Reproduction Science</i> , 2004, 82-83, 447-460.	0.5	114
11	Oestrogen receptor $\hat{1}\alpha$ and $\hat{1}\beta$ , 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.	1.1	112
12	Effects of Immunization Against Bone Morphogenetic Protein 15 and Growth Differentiation Factor 9 on Ovulation Rate, Fertilization, and Pregnancy in Ewes1. <i>Biology of Reproduction</i> , 2004, 70, 557-561.	1.2	93
13	Origins of follicular cells and ontogeny of steroidogenesis in ovine fetal ovaries. <i>Molecular and Cellular Endocrinology</i> , 2002, 191, 1-10.	1.6	87
14	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, 501-513.	1.1	77
15	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 Mutation1. <i>Biology of Reproduction</i> , 2007, 77, 990-998.	1.2	76
16	Ontogeny of Steroidogenesis in the Fetal Sheep Gonad1. <i>Biology of Reproduction</i> , 2001, 65, 216-228.	1.2	75
17	The Proregion of Mouse BMP15 Regulates the Cooperative Interactions of BMP15 and GDF91. <i>Biology of Reproduction</i> , 2008, 79, 889-896.	1.2	74
18	The Effects of Immunizing Sheep with Different BMP15 or GDF9 Peptide Sequences on Ovarian Follicular Activity and Ovulation Rate1. <i>Biology of Reproduction</i> , 2007, 76, 552-560.	1.2	70

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19	Bmp15 mutations and ovarian function. <i>Molecular and Cellular Endocrinology</i> , 2002, 191, 15-18.	1.6	63
20	Hormonal Regulation of Monocyte Chemoattractant Protein-1 Messenger Ribonucleic Acid Expression in Corpora Lutea. <i>Endocrinology</i> , 1997, 138, 4517-4520.	1.4	62
21	The Role of Oocyte Organelles in Determining Developmental Competence. <i>Biology</i> , 2017, 6, 35.	1.3	59
22	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, 1026-1030.	1.4	57
23	Novel aspects in the regulation of follicular development and ovulation rate: forum introduction. <i>Reproductive Biology and Endocrinology</i> , 2006, 4, 1.	1.4	56
24	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, 800-806.	1.2	55
25	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</i> ) Tj ETQq1 1 0.784314 rgBI. <i>Overlooked 10 Tf 50</i>		
26	The role of transforming growth factor-beta (TGF-beta) during ovarian follicular development in sheep. <i>Reproductive Biology and Endocrinology</i> , 2004, 2, 78.	1.4	55
27	Characterization of recombinant human growth differentiation factor-9 signaling in ovarian granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2008, 283, 58-67.	1.6	53
28	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, 107-114.	1.1	53
29	Using sheep lines with mutations in single genes to better understand ovarian function. <i>Reproduction</i> , 2013, 146, R111-R123.	1.1	53
30	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, 418-423.	1.2	49
31	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, 466-475.	0.9	49
32	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, 123-131.	1.1	47
33	Onset of Steroidogenic Enzyme Gene Expression During Ovarian Follicular Development in Sheep. <i>Biology of Reproduction</i> , 2002, 66, 906-916.	1.2	40
34	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.	0.1	40
35	Steroidogenic Acute Regulatory Protein and Peripheral-Type Benzodiazepine Receptor Associate at the Mitochondrial Membrane. , 0, .		40
36	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.	1.1	39

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37	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.	1.6	38
38	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, 106-115.	1.6	34
39	Gonadotrophin-responsiveness of granulosa cells from bone morphogenetic protein 15 heterozygous mutant sheep. <i>Reproduction</i> , 2009, 138, 545-551.	1.1	33
40	Booroola BMPR1B mutation alters early follicular development and oocyte ultrastructure in sheep. <i>Reproduction, Fertility and Development</i> , 2012, 24, 353.	0.1	33
41	Development of the ovary and ontogeny of mRNA and protein for P450 aromatase (arom) and estrogen receptors (ER) 1 $\alpha$ and 1 $\beta$ during early fetal life in cattle. <i>Animal Reproduction Science</i> , 2010, 117, 24-33.	0.5	32
42	Active immunization against the proregions of GDF9 or BMP15 alters ovulation rate and litter size in mice. <i>Reproduction</i> , 2012, 143, 195-201.	1.1	32
43	Effect of age, weight, and sire on embryo and fetal survival in sheep <sup>12</sup> . <i>Journal of Animal Science</i> , 2013, 91, 4641-4653.	0.2	32
44	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.	0.5	30
45	Gene Expression in Abnormal Ovarian Structures of Ewes Homozygous for the Inverdale Prolificacy Gene1. <i>Biology of Reproduction</i> , 2000, 62, 1467-1478.	1.2	29
46	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.	0.5	28
47	Effects of species differences on oocyte regulation of granulosa cell function. <i>Reproduction</i> , 2012, 144, 557-567.	1.1	28
48	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.	0.1	28
49	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, 251-261.	1.2	25
50	Effects of acetyl-L-carnitine on lamb oocyte blastocyst rate, ultrastructure, and mitochondrial DNA copy number. <i>Theriogenology</i> , 2015, 83, 1484-1492.	0.9	25
51	Limits on hogget lambing: the fertility of the young ewe. <i>New Zealand Journal of Agricultural Research</i> , 2017, 60, 1-22.	0.9	23
52	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.	0.1	22
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 Superfamily1. <i>Biology of Reproduction</i> , 2011, 85, 113-120.	1.2	21
54	Mitochondria and vesicles differ between adult and prepubertal sheep oocytes during IVM. <i>Reproduction, Fertility and Development</i> , 2015, 27, 513.	0.1	21

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55	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.	0.1	20
56	Effects of immunizing ewes against bone morphogenetic protein 15 on their responses to exogenous gonadotrophins to induce multiple ovulations. <i>Reproduction</i> , 2011, 142, 565-572.	1.1	20
57	Early embryo loss, morphology, and effect of previous immunization against androstenedione in the ewe. <i>Theriogenology</i> , 2016, 86, 1285-1293.	0.9	19
58	Gene Expression of the Tyrosine Kinase Receptor c-kit During Ovarian Development in the Brushtail Possum ( <i>Trichosurus vulpecula</i> )1. <i>Biology of Reproduction</i> , 2002, 66, 346-353.	1.2	18
59	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, 125-132.	0.5	18
60	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> )1. <i>Biology of Reproduction</i> , 2002, 66, 1310-1317.	1.2	17
61	Mutations in the leptin receptor gene associated with delayed onset of puberty are also associated with decreased ovulation and lambing rates in prolific Davigdale sheep. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1318.	0.1	17
62	Single-Nucleotide Polymorphisms in the LEPR Gene Are Associated with Divergent Phenotypes for Age at Onset of Puberty in Davigdale Ewes1. <i>Biology of Reproduction</i> , 2014, 90, 33.	1.2	16
63	Concentration of mRNA Encoding 3 $\beta$ -Hydroxysteroid Dehydrogenase/5 $\alpha$ - $\beta$ Isomerase (3 $\beta$ -HSD) and 3 $\beta$ -HSD Enzyme Activity Following Treatment of Ewes with Prostaglandin F <sub>2<math>\alpha</math></sub> . <i>Endocrine</i> , 1998, 8, 45-50.	2.2	14
64	Activin A and follistatin during the oestrous cycle and early pregnancy in ewes. <i>Journal of Endocrinology</i> , 2016, 228, 193-203.	1.2	14
65	Ovarian characteristics in sheep with multiple fecundity genes. <i>Reproduction</i> , 2017, 153, 233-240.	1.1	14
66	The corpus luteum and interstitial tissue in a marsupial, the brushtail possum ( <i>Trichosurus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	1.6	13
67	The role of IGFs in the regulation of ovarian follicular growth in the brushtail possum ( <i>Trichosurus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 13	1.1	13
68	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.	0.5	12
69	The ovarian follicle of ruminants: the path from conceptus to adult. <i>Reproduction, Fertility and Development</i> , 2021, 33, 621-642.	0.1	12
70	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, 251-256.	1.1	11
71	Expression of the FcRn receptor ( $\beta$ 1 and $\beta$ 2) gene homologues in the intestine of suckling brushtail possum ( <i>Trichosurus vulpecula</i> ) pouch young. <i>Molecular Immunology</i> , 2003, 39, 707-717.	1.0	11
72	Expression of Wilms' Tumor Gene and Protein Localization During Ovarian Formation and Follicular Development in Sheep1. <i>Biology of Reproduction</i> , 2003, 68, 635-643.	1.2	11

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73	Determination of Steroidogenic Potential of Ovarian Cells of the Brushtail Possum ( <i>Trichosurus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	11
74	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, 269-274.	0.9	11
75	Postnatal uterine development in Inverdale ewe lambs. <i>Reproduction</i> , 2008, 135, 357-365.	1.1	10
76	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, 3855-3871.	3.5	10
77	Differential expression of CART in ewes with differing ovulation rates. <i>Reproduction</i> , 2017, 153, 471-479.	1.1	10
78	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.	1.0	10
79	Gestational nutrition 1: alterations to gestational nutrition can increase indicators of fertility in sheep. <i>Reproduction</i> , 2019, 157, 199-213.	1.1	9
80	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.	0.4	9
81	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, 227-232.	2.2	8
82	Heterozygous Inverdale ewes show increased ovulation rate sensitivity to pre-mating nutrition. <i>Reproduction, Fertility and Development</i> , 2011, 23, 866.	0.1	8
83	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.	0.6	8
84	Gestational nutrition 2: gene expression in sheep fetal ovaries exposed to gestational under nutrition. <i>Reproduction</i> , 2019, 157, 13-25.	1.1	7
85	Expression of mRNAs encoding oestrogen receptor (ER) $\alpha$ and ER $\beta$ , androgen receptor and progesterone receptor during gonadal and follicular development in the marsupial brushtail possum ( <i>Trichosurus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	7
86	Heritability of ram mating success in multi-sire breeding situations. <i>Animal</i> , 2019, 13, 917-923.	1.3	6
87	Characterization of local and peripheral immune system in pregnant and nonpregnant ewes. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	5
88	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.	1.2	5
89	The follicular microenvironment in low (++) and high (I+B+) ovulation rate ewes. <i>Reproduction</i> , 2020, 159, 585-599.	1.1	5
90	Creation of DNA aptamers against recombinant bone morphogenetic protein 15. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1164.	0.1	3

#	ARTICLE	IF	CITATIONS
91	Association of fertility with group mating behavior in ewes. <i>Animal Reproduction Science</i> , 2020, 216, 106359.	0.5	2
92	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.	1.2	2
93	Effects of species differences on oocyte regulation of granulosa cell function. <i>Reproduction</i> , 2013, 145, X1.	1.1	0
94	Expression of Adrenomedullin mRNA During Follicular Development in Sheep.. <i>Biology of Reproduction</i> , 2008, 78, 287-287.	1.2	0
95	Relationships between prostaglandin concentrations, SNP in HSD17B12, and reproductive performance in dairy cows. <i>Journal of Dairy Science</i> , 2022, , .	1.4	0