

# Christopher A Price

## List of Publications by Citations

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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.

113 papers	2,355 citations	30 h-index	41 g-index
119 ext. papers	2,656 ext. citations	3.2 avg, IF	4.86 L-index

#	Paper	IF	Citations
113	Steroidogenic acute regulatory protein in bovine corpora lutea. <i>Biology of Reproduction</i> , <b>1996</b> , 55, 485-91	3.9	105
112	Effect of follicle-stimulating hormone on steroid secretion and messenger ribonucleic acids encoding cytochromes P450 aromatase and cholesterol side-chain cleavage in bovine granulosa cells in vitro. <i>Biology of Reproduction</i> , <b>2000</b> , 62, 186-91	3.9	83
111	Expression of fibroblast growth factor-8 and regulation of cognate receptors, fibroblast growth factor receptor-3c and -4, in bovine antral follicles. <i>Reproduction</i> , <b>2005</b> , 130, 343-50	3.8	81
110	Expression and function of fibroblast growth factor 10 and its receptor, fibroblast growth factor receptor 2B, in bovine follicles. <i>Biology of Reproduction</i> , <b>2007</b> , 77, 743-50	3.9	74
109	Steroid control of gonadotropin secretion and ovarian function in heifers. <i>Endocrinology</i> , <b>1988</b> , 122, 2222-31	4.31	69
108	Serine protease inhibitor-E2 (SERPINE2) is differentially expressed in granulosa cells of dominant follicle in cattle. <i>Molecular Reproduction and Development</i> , <b>2003</b> , 64, 152-65	2.6	63
107	Oocyte quality in small antral follicles in the presence or absence of a large dominant follicle in cattle. <i>Reproduction</i> , <b>1996</b> , 106, 193-9	3.8	57
106	Ovarian response to hCG treatment during the oestrous cycle in heifers. <i>Reproduction</i> , <b>1989</b> , 86, 303-8	3.8	56
105	Bone morphogenetic protein 15 and fibroblast growth factor 10 enhance cumulus expansion, glucose uptake, and expression of genes in the ovulatory cascade during in vitro maturation of bovine cumulus-oocyte complexes. <i>Reproduction</i> , <b>2013</b> , 146, 27-35	3.8	53
104	Interactions between inhibin, oestradiol and progesterone in the control of gonadotrophin secretion in the ewe. <i>Reproduction</i> , <b>1988</b> , 82, 319-28	3.8	48
103	Expression of LH receptor mRNA splice variants in bovine granulosa cells: changes with follicle size and regulation by FSH in vitro. <i>Molecular Reproduction and Development</i> , <b>2007</b> , 74, 680-6	2.6	45
102	Comparison of hormonal and histological changes during follicular growth, as measured by ultrasonography, in cattle. <i>Reproduction</i> , <b>1995</b> , 103, 63-8	3.8	45
101	Expression and function of fibroblast growth factor 18 in the ovarian follicle in cattle. <i>Biology of Reproduction</i> , <b>2010</b> , 83, 339-46	3.9	44
100	Regulation and action of fibroblast growth factor 17 in bovine follicles. <i>Journal of Endocrinology</i> , <b>2009</b> , 202, 347-53	4.7	43
99	Role of transforming growth factor-beta1 in gene expression and activity of estradiol and progesterone-generating enzymes in FSH-stimulated bovine granulosa cells. <i>Reproduction</i> , <b>2008</b> , 136, 447-57	3.8	43
98	Control of oestradiol secretion and of cytochrome P450 aromatase messenger ribonucleic acid accumulation by FSH involves different intracellular pathways in oestrogenic bovine granulosa cells in vitro. <i>Reproduction</i> , <b>2006</b> , 132, 909-17	3.8	43
97	Effects of short-term exposure to hydroxyflutamide in utero on the development of the reproductive tract in male mice. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>1995</b> , 73, 1582-8	2.4	42

96	Insulin and IGF-I are necessary for FSH-induced cytochrome P450 aromatase but not cytochrome P450 side-chain cleavage gene expression in oestrogenic bovine granulosa cells in vitro. <i>Journal of Endocrinology</i> , <b>2002</b> , 174, 499-507	4.7	41
95	Expression of 17beta- and 3beta-hydroxysteroid dehydrogenases and steroidogenic acute regulatory protein in non-luteinizing bovine granulosa cells in vitro. <i>Molecular and Cellular Endocrinology</i> , <b>2004</b> , 223, 43-54	4.4	40
94	Cell plating density alters the ratio of estrogenic to progestagenic enzyme gene expression in cultured granulosa cells. <i>Fertility and Sterility</i> , <b>2010</b> , 93, 2050-5	4.8	39
93	Ovarian follicular steroidogenic acute regulatory protein, low-density lipoprotein receptor, and cytochrome P450 side-chain cleavage messenger ribonucleic acids in cattle undergoing superovulation. <i>Biology of Reproduction</i> , <b>1997</b> , 56, 516-22	3.9	39
92	Mechanisms of fibroblast growth factor signaling in the ovarian follicle. <i>Journal of Endocrinology</i> , <b>2016</b> , 228, R31-43	4.7	38
91	Androstenedione increases cytochrome P450 aromatase messenger ribonucleic acid transcripts in nonluteinizing bovine granulosa cells. <i>Molecular Reproduction and Development</i> , <b>2005</b> , 70, 175-83	2.6	37
90	WNT5a is required for normal ovarian follicle development and antagonizes gonadotropin responsiveness in granulosa cells by suppressing canonical WNT signaling. <i>FASEB Journal</i> , <b>2016</b> , 30, 1534-47	4.9	35
89	Follicular somatic cell factors and follicle development. <i>Reproduction, Fertility and Development</i> , <b>2011</b> , 23, 32-9	1.8	34
88	Effects of dominant follicle aspiration and treatment with recombinant bovine somatotropin (BST) on ovarian follicular development in nelore ( <i>Bos indicus</i> ) heifers. <i>Theriogenology</i> , <b>2000</b> , 54, 421-31	2.8	34
87	Effects of in utero and lactational exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on serum androgens and steroidogenic enzyme activities in the male rat reproductive tract. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>1998</b> , 67, 347-54	5.1	32
86	Effect of growth factors and co-culture with ovarian medulla on the activation of primordial follicles in explants of bovine ovarian cortex. <i>Theriogenology</i> , <b>2000</b> , 54, 587-98	2.8	32
85	Fibroblast growth factor-2 regulation of Sprouty and NR4A genes in bovine ovarian granulosa cells. <i>Journal of Cellular Physiology</i> , <b>2011</b> , 226, 1820-7	7	30
84	Angiotensin II signaling promotes follicle growth and dominance in cattle. <i>Endocrinology</i> , <b>2011</b> , 152, 4957-65	4.85	30
83	Reproductive and endocrine effects of active immunization against a testosterone conjugate in the heifer. <i>Reproduction</i> , <b>1987</b> , 81, 149-60	3.8	30
82	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
81	Fibroblast growth factor 17 and bone morphogenetic protein 15 enhance cumulus expansion and improve quality of in vitro-produced embryos in cattle. <i>Theriogenology</i> , <b>2015</b> , 84, 390-8	2.8	27
80	Effects of FSH on the expression of receptors for oocyte-secreted factors and members of the EGF-like family during in vitro maturation in cattle. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, 890-9	1.8	26
79	Effects of the mycotoxin deoxynivalenol on steroidogenesis and apoptosis in granulosa cells. <i>Reproduction</i> , <b>2015</b> , 149, 555-61	3.8	25

78	Regulation of serine protease inhibitor-E2 and plasminogen activator expression and secretion by follicle stimulating hormone and growth factors in non-luteinizing bovine granulosa cells in vitro. <i>Matrix Biology</i> , <b>2006</b> , 25, 342-54	11.4	25
77	Expression of protease nexin-1 and plasminogen activators during follicular growth and the periovulatory period in cattle. <i>Reproduction</i> , <b>2006</b> , 131, 125-37	3.8	24
76	Follicular fluid concentration of transforming growth factor-beta1 is negatively correlated with estradiol and follicle size at the early stage of development of the first-wave cohort of bovine ovarian follicles. <i>Domestic Animal Endocrinology</i> , <b>2005</b> , 29, 623-33	2.3	24
75	Follicular 3 beta-hydroxysteroid dehydrogenase and cytochromes P450 17 alpha-hydroxylase and aromatase messenger ribonucleic acids in cattle undergoing superovulation. <i>Biology of Reproduction</i> , <b>1996</b> , 55, 1419-26	3.9	24
74	Decreased pulsatile LH secretion in heifers superovulated with eCG or FSH. <i>Theriogenology</i> , <b>1994</b> , 42, 685-94	2.8	24
73	Role of angiotensin II in the periovulatory epidermal growth factor-like cascade in bovine granulosa cells in vitro. <i>Biology of Reproduction</i> , <b>2011</b> , 85, 1167-74	3.9	23
72	Genetic analysis of superovulatory response of Holstein cows in Canada. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 3612-3623	4	23
71	Association of canine obesity with reduced serum levels of C-reactive protein. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2008</b> , 20, 224-8	1.5	22
70	Expression of fibroblast growth factor-8 and its cognate receptors, fibroblast growth factor receptor (FGFR)-3c and-4, in fetal bovine preantral follicles. <i>Molecular Reproduction and Development</i> , <b>2005</b> , 70, 255-61	2.6	22
69	Identification of single nucleotide polymorphisms in the bovine follicle-stimulating hormone receptor and effects of genotypes on superovulatory response traits. <i>Animal Genetics</i> , <b>2013</b> , 44, 197-201	2.5	20
68	Differential actions of fibroblast growth factors on intracellular pathways and target gene expression in bovine ovarian granulosa cells. <i>Reproduction</i> , <b>2012</b> , 144, 625-32	3.8	20
67	Regulation of angiotensin type 2 receptor in bovine granulosa cells. <i>Endocrinology</i> , <b>2008</b> , 149, 5004-11	4.8	20
66	Regulation of inducible nitric oxide synthase expression in bovine ovarian granulosa cells. <i>Molecular and Cellular Endocrinology</i> , <b>2011</b> , 335, 189-94	4.4	19
65	FGF10 inhibits dominant follicle growth and estradiol secretion in vivo in cattle. <i>Reproduction</i> , <b>2012</b> , 143, 815-23	3.8	19
64	Nitric oxide synthase activity is critical for the preovulatory epidermal growth factor-like cascade induced by luteinizing hormone in bovine granulosa cells. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 74, 237-44	7.8	18
63	Non-canonical WNT5A is a potential regulator of granulosa cell function in cattle. <i>Molecular and Cellular Endocrinology</i> , <b>2015</b> , 403, 39-45	4.4	18
62	Active immunization of cattle against partly purified follicular fluid from sheep. <i>Reproduction</i> , <b>1987</b> , 81, 161-8	3.8	18
61	Steroid hormones interact with natriuretic peptide C to delay nuclear maturation, to maintain oocyte-cumulus communication and to improve the quality of in vitro-produced embryos in cattle. <i>Reproduction, Fertility and Development</i> , <b>2017</b> , 29, 2217-2224	1.8	17

60	Plasminogen activator and serine protease inhibitor-E2 (protease nexin-1) expression by bovine granulosa cells in vitro. <i>Biology of Reproduction</i> , <b>2004</b> , 71, 887-93	3.9	17
59	Insulin alters the effects of follicle stimulating hormone on aromatase in bovine granulosa cells in vitro. <i>Steroids</i> , <b>2001</b> , 66, 511-9	2.8	17
58	Levels of messenger RNA encoding ovarian receptors for FSH and LH in cattle during superovulation with equine chorionic gonadotrophin versus FSH. <i>Journal of Endocrinology</i> , <b>1998</b> , 156, 373-8	4.7	17
57	Effects of superovulation on endogenous LH secretion in cattle, and consequences for embryo production. <i>Theriogenology</i> , <b>1999</b> , 51, 37-46	2.8	17
56	The control of FSH secretion in the larger domestic species. <i>Journal of Endocrinology</i> , <b>1991</b> , 131, 177-84	4.7	17
55	The mycotoxin metabolite deepoxy- deoxynivalenol increases apoptosis and decreases steroidogenesis in bovine ovarian theca cells. <i>Biology of Reproduction</i> , <b>2017</b> , 97, 746-757	3.9	16
54	Hormonal regulation of cytochrome P450 aromatase mRNA stability in non-luteinizing bovine granulosa cells in vitro. <i>Journal of Endocrinology</i> , <b>2006</b> , 190, 107-15	4.7	16
53	Regulation of MMP2 and MMP9 metalloproteinases by FSH and growth factors in bovine granulosa cells. <i>Genetics and Molecular Biology</i> , <b>2009</b> , 32, 516-20	2	13
52	Arachidonic Acid Regulation of Intracellular Signaling Pathways and Target Gene Expression in Bovine Ovarian Granulosa Cells. <i>Animals</i> , <b>2019</b> , 9,	3.1	12
51	Expression of fibroblast growth factor receptors during development and regression of the bovine corpus luteum. <i>Reproduction, Fertility and Development</i> , <b>2008</b> , 20, 659-64	1.8	12
50	The role of fibroblast growth factor-18 in follicular atresia in cattle. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 14	3.9	11
49	Genome-wide association study and in silico functional analysis of the number of embryos produced by Holstein donors. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 7248-7257	4	11
48	Expression of fibroblast growth factor 10 and cognate receptors in the developing bovine ovary. <i>Theriogenology</i> , <b>2014</b> , 81, 1268-74	2.8	11
47	Factors regulating the bovine, caprine, rat and human ovarian aromatase promoters in a bovine granulosa cell model. <i>General and Comparative Endocrinology</i> , <b>2014</b> , 200, 10-7	3	11
46	Expression of fibroblast growth factor 10 and its receptor, fibroblast growth factor receptor 2B, in the bovine corpus luteum. <i>Molecular Reproduction and Development</i> , <b>2008</b> , 75, 940-5	2.6	10
45	Influence of food shortage during the summer on body composition and reproductive hormones in the red fox, <i>Vulpes vulpes</i> . <i>Canadian Journal of Zoology</i> , <b>2001</b> , 79, 471-477	1.5	10
44	Regulation and action of early growth response 1 in bovine granulosa cells. <i>Reproduction</i> , <b>2017</b> , 154, 547-557	3.8	9
43	Follicle-stimulating hormone stimulates circulating gonadotropin surge-attenuating/inhibiting factor bioactivity in cows. <i>Biology of Reproduction</i> , <b>1997</b> , 57, 278-85	3.9	9

42	Effects of ciprofibrate on testicular and adrenal steroidogenic enzymes in the rat. <i>Reproductive Toxicology</i> , <b>2006</b> , 22, 37-43	3.4	8
41	The fibroblast growth factor 8 family in the female reproductive tract. <i>Reproduction</i> , <b>2018</b> , 155, R53-R62	3.8	7
40	Effect of FSH and cell localization on dimeric inhibin-A secretion from bovine granulosa cells in culture. <i>Journal of Endocrinology</i> , <b>2000</b> , 165, 207-15	4.7	7
39	Decreased LH pulsatility during initiation of gonadotropin superovulation treatment in the cow: evidence for negative feedback other than estradiol and progesterone. <i>Theriogenology</i> , <b>2000</b> , 54, 507-21	2.8	7
38	Fibroblast growth factor 2 regulates cumulus differentiation under the control of the oocyte. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2019</b> , 36, 905-913	3.4	6
37	Alternate two- and three-follicle wave interovulatory intervals in Holstein heifers monitored for two consecutive estrous cycles. <i>Canadian Journal of Animal Science</i> , <b>2004</b> , 84, 145-147	0.9	6
36	Influence of season and low-level oestradiol immunoneutralization on episodic LH and testosterone secretion and testicular steroidogenic enzymes and steroidogenic acute regulatory protein in the adult ram. <i>Reproduction</i> , <b>2000</b> , 251-262	3.8	6
35	Effect of kit ligand on natriuretic peptide precursor C and oocyte maturation in cattle. <i>Reproduction</i> , <b>2016</b> , 152, 481-9	3.8	6
34	Evidence that fibroblast growth factor 10 plays a role in follicle selection in cattle. <i>Reproduction, Fertility and Development</i> , <b>2017</b> , 29, 234-243	1.8	5
33	The endogenous hydrogen sulfide generating system regulates ovulation. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 138, 43-52	7.8	5
32	Formulation and testing of a non-steroidal aromatase inhibitor intravaginal device for the control of ovarian function in cattle. <i>Animal Reproduction Science</i> , <b>2015</b> , 156, 91-102	2.1	5
31	Short communication: Genetic correlations between number of embryos produced using in vivo and in vitro techniques in heifer and cow donors. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 8222-8226	4	5
30	Superovulatory treatments do not alter pulsatile LH secretion in ovariectomized cattle. <i>Theriogenology</i> , <b>1995</b> , 43, 543-9	2.8	5
29	Effect of castration on plasma concentrations of luteinizing hormone and follicle-stimulating hormone in adult Merino rams which were homozygous carriers or non-carriers of the Booroola fecundity gene. <i>Reproduction</i> , <b>1991</b> , 93, 211-9	3.8	5
28	Qualitative variation in the immune response to ovarian follicular fluid proteins in cattle. <i>Journal of Reproductive Immunology</i> , <b>1988</b> , 14, 151-63	4.2	5
27	Influence of food shortage during the summer on body composition and reproductive hormones in the red fox, <i>Vulpes vulpes</i> . <i>Canadian Journal of Zoology</i> , <b>2001</b> , 79, 471-477	1.5	5
26	Consequences of assisted reproductive techniques on the embryonic epigenome in cattle. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 32, 65-81	1.8	5
25	Fibroblast growth factor 18 regulates steroidogenesis in fetal bovine ovarian tissue in vitro. <i>Molecular Reproduction and Development</i> , <b>2019</b> , 86, 166-174	2.6	5



24	Genetic analysis for quality of frozen embryos produced by Holstein cattle donors in Canada. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 7320-7329	4	4
23	Expression and regulation of the tumor suppressor, SEF, during folliculogenesis in humans and mice. <i>Reproduction</i> , <b>2014</b> , 148, 507-17	3.8	4
22	Annual Variation of Body Composition, Reproductive Hormones, and Blood Constituents of Red Foxes. <i>Journal of Mammalogy</i> , <b>1999</b> , 80, 1163-1172	1.8	4
21	Evidence that testosterone and follicular fluid do not interact in the control of FSH secretion in rams. <i>Theriogenology</i> , <b>1994</b> , 41, 471-82	2.8	4
20	Effect of testosterone and bovine follicular fluid on concentrations of luteinizing hormone and follicle-stimulating hormone in plasma of castrated rams that are homozygous carriers or non-carriers of the Booroola fecundity gene. <i>Reproduction</i> , <b>1992</b> , 95, 947-57	3.8	4
19	Identification of 5 $\beta$ -reductase isoenzymes in canine skin. <i>Veterinary Dermatology</i> , <b>2015</b> , 26, 363-6, e80-1	1.8	3
18	Effects of delaying the LH surge and altering LH secretion on plasma hormones and embryo production in heifers superstimulated with FSH. <i>Canadian Journal of Animal Science</i> , <b>2002</b> , 82, 357-366	0.9	3
17	Alterations of LH release with delay of the LH surge affect embryo production in heifers superovulated with FSH. <i>Theriogenology</i> , <b>1999</b> , 51, 409	2.8	3
16	The life and death of the dominant follicle. <i>Animal Reproduction</i> , <b>2018</b> , 15, 680-690	1.7	3
15	Expression of fibroblast growth factor 22 (FGF22) and its receptor, FGFR1B, during development and regression of bovine corpus luteum. <i>Theriogenology</i> , <b>2019</b> , 125, 1-5	2.8	3
14	Effects of the mycotoxin metabolite de-epoxy-deoxynivalenol (DOM-1) on embryo development and sperm motility in cattle. <i>Journal of Applied Toxicology</i> , <b>2021</b> , 41, 1180-1187	4.1	2
13	Localization of angiotensin receptor type 2 in fetal bovine ovaries. <i>Animal Reproduction Science</i> , <b>2016</b> , 168, 34-39	2.1	2
12	A putative protein-RNA complex regulates posttranscriptional processing of cytochrome P450 aromatase (CYP19A1) in bovine granulosa cells. <i>Molecular Reproduction and Development</i> , <b>2019</b> , 86, 1901-1908	2.6	2
11	Effects of fibroblast growth factors and the transcription factor, early growth response 1, on bovine theca cells. <i>Molecular and Cellular Endocrinology</i> , <b>2018</b> , 476, 96-102	4.4	1
10	YAP signaling in preovulatory granulosa cells is critical for the functioning of the EGF network during ovulation. <i>Molecular and Cellular Endocrinology</i> , <b>2021</b> , 541, 111524	4.4	1
9	Genetic and genomic analyses of embryo production in dairy cattle. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 32, 50-55	1.8	1
8	Regulation of the early growth response-1 binding protein NAB2 in bovine granulosa cells and effect on connective tissue growth factor expression. <i>Molecular and Cellular Endocrinology</i> , <b>2020</b> , 518, 111041	4.4	0
7	Dual-specificity phosphatase 6 (DUSP6) mRNA and protein abundance is regulated by fibroblast growth factor 2 in sheep granulosa cells and inhibits c-Jun N-terminal kinase (MAPK8) phosphorylation. <i>Molecular and Cellular Endocrinology</i> , <b>2021</b> , 531, 111297	4.4	0

6	Regulation of dual specificity phosphatases by fibroblast growth factor signaling pathways in bovine granulosa cells. <i>Reproduction</i> , <b>2021</b> , 162, 367-374	3.8	0
5	Bioassay for follicle stimulating activity of equine gonadotropic hormone in mare serum using frozen/thawed transiently transfected reporter cells. <i>Theriogenology</i> , <b>2012</b> , 78, 724-30	2.8	
4	Interrelationship between plasma estradiol concentration and oxytocin-induced PGF2alpha release in heifers. <i>Theriogenology</i> , <b>1996</b> , 46, 617-30	2.8	
3	A note on ovarian measurements in cows with or without a history of twinning. <i>New Zealand Journal of Agricultural Research</i> , <b>1993</b> , 36, 237-241	1.9	
2	A study of pituitary and adrenal function in a disease-stressed ram. <i>Canadian Veterinary Journal</i> , <b>1993</b> , 34, 43-5	0.5	
1	Effect of synchronization of follicle-wave emergence with estradiol and progesterone and superstimulation with follicle-stimulating hormone on milk estrogen concentrations in dairy cattle. <i>Canadian Journal of Veterinary Research</i> , <b>2013</b> , 77, 75-8	0.5	