

Carlos G Gutierrez

List of Publications by Citations

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51
papers

2,294
citations

21
h-index

47
g-index

56
ext. papers

2,424
ext. citations

3.2
avg, IF

4.15
L-index

#	Paper	IF	Citations
51	Epigenetic change in IGF2R is associated with fetal overgrowth after sheep embryo culture. <i>Nature Genetics</i> , 2001 , 27, 153-4	36.3	665
50	Development of a long-term bovine granulosa cell culture system: induction and maintenance of estradiol production, response to follicle-stimulating hormone, and morphological characteristics. <i>Biology of Reproduction</i> , 1997 , 56, 608-16	3.9	250
49	Growth and antrum formation of bovine preantral follicles in long-term culture in vitro. <i>Biology of Reproduction</i> , 2000 , 62, 1322-8	3.9	250
48	Suppression in the secretion of follicle-stimulating hormone and luteinizing hormone, and ovarian follicle development in heifers continuously infused with a gonadotropin-releasing hormone agonist. <i>Biology of Reproduction</i> , 1996 , 55, 68-74	3.9	144
47	Impact of dietary fatty acids on oocyte quality and development in lactating dairy cows. <i>Biology of Reproduction</i> , 2007 , 77, 9-17	3.9	104
46	Effects of chronic treatment with a gonadotrophin-releasing hormone agonist on peripheral concentrations of FSH and LH, and ovarian function in heifers. <i>Reproduction</i> , 1995 , 105, 263-70	3.8	86
45	Expression of mRNA encoding IGF-I, IGF-II and type 1 IGF receptor in bovine ovarian follicles. <i>Journal of Endocrinology</i> , 2000 , 165, 101-13	4.7	82
44	The recruitment of ovarian follicles is enhanced by increased dietary intake in heifers. <i>Journal of Animal Science</i> , 1997 , 75, 1876-84	0.7	71
43	Oocyte quality in lactating dairy cows fed on high levels of n-3 and n-6 fatty acids. <i>Reproduction</i> , 2009 , 138, 771-81	3.8	62
42	Direct in vivo effects of leptin on ovarian steroidogenesis in sheep. <i>Reproduction</i> , 2004 , 128, 757-65	3.8	62
41	Apoptosis in mouse fetal and neonatal oocytes during meiotic prophase one. <i>BMC Developmental Biology</i> , 2007 , 7, 87	3.1	53
40	Selection on predicted breeding value for milk production delays ovulation independently of changes in follicular development, milk production and body weight. <i>Animal Reproduction Science</i> , 2006 , 95, 193-205	2.1	35
39	In vitro gas production and ruminal fermentation of glycerol, propylene glycol and molasses. <i>Animal Feed Science and Technology</i> , 2009 , 154, 112-118	3	33
38	Insulin-like growth factor-I (IGF-I) production by bovine granulosa cells in vitro and peripheral IGF-I measurement in cattle serum: an evaluation of IGF-binding protein extraction protocols. <i>Journal of Endocrinology</i> , 1997 , 153, 231-40	4.7	31
37	Testosterone stimulates progesterone production and STAR, P450 cholesterol side-chain cleavage and LH receptor mRNAs expression in hen (<i>Gallus domesticus</i>) granulosa cells. <i>Reproduction</i> , 2009 , 138, 961-9	3.8	29
36	Regulation of expression of ovarian mRNA encoding steroidogenic enzymes and gonadotrophin receptors by FSH and GH in hypogonadotrophic cattle. <i>Reproduction</i> , 2002 , 123, 651-661	3.8	29
35	Effects of circulating progesterone and insulin on early embryo development in beef heifers. <i>Animal Reproduction Science</i> , 2003 , 79, 71-9	2.1	28

34	Testosterone antagonist (flutamide) blocks ovulation and preovulatory surges of progesterone, luteinizing hormone and oestradiol in laying hens. <i>Reproduction</i> , 2006 , 131, 1109-14	3.8	26
33	Ultra-structural characteristics of bovine granulosa cells associated with maintenance of oestradiol production in vitro. <i>Molecular and Cellular Endocrinology</i> , 1997 , 134, 51-8	4.4	22
32	Sphingosine-1-phosphate, regulated by FSH and VEGF, stimulates granulosa cell proliferation. <i>General and Comparative Endocrinology</i> , 2016 , 236, 1-8	3	21
31	In vitro ruminal fermentation of glycerol, propylene glycol and molasses combined with forages and their effect on glucose and insulin blood plasma concentrations after an oral drench in sheep. <i>Animal Feed Science and Technology</i> , 2016 , 213, 74-80	3	21
30	Reproduction in hens: is testosterone necessary for the ovulatory process?. <i>General and Comparative Endocrinology</i> , 2014 , 203, 250-61	3	19
29	Timing of follicular phase events and the postovulatory progesterone rise following synchronisation of oestrus in cows. <i>Veterinary Journal</i> , 2006 , 172, 103-8	2.5	14
28	Vascular endothelial growth factor isoforms 120, 164 and 205 are reduced with atresia in ovarian follicles of sheep. <i>Animal Reproduction Science</i> , 2010 , 122, 111-7	2.1	11
27	Membrane status and in vitro capacitation of porcine sperm preserved in long-term extender at 16 degrees C. <i>Archives of Andrology</i> , 2003 , 49, 287-95		11
26	Identification of soluble forms of vascular endothelial growth factor receptors, sVEGFR-1 and sVEGFR-2, in bovine dominant follicles. <i>Reproduction in Domestic Animals</i> , 2012 , 47, e39-42	1.6	9
25	Subdominant hierarchical ovarian follicles are needed for steroidogenesis and ovulation in laying hens (<i>Gallus domesticus</i>). <i>Animal Reproduction Science</i> , 2014 , 147, 144-53	2.1	9
24	Testosterone directly induces progesterone production and interacts with physiological concentrations of LH to increase granulosa cell progesterone production in laying hens (<i>Gallus domesticus</i>). <i>Animal Reproduction Science</i> , 2007 , 102, 56-65	2.1	9
23	The corpora lutea proangiogenic state of VEGF system components is turned to antiangiogenic at the later phase of the oestrous cycle in cows. <i>Animal</i> , 2015 , 9, 301-7	3.1	8
22	Increased cleavage and blastocyst rate in ewes treated with bovine somatotropin 5 days before the end of progestin-based estrous synchronization. <i>Animal Reproduction Science</i> , 2011 , 125, 69-73	2.1	8
21	A single dose of bovine somatotropin 5 days before the end of progestin-based estrous synchronization increases prolificacy in sheep. <i>Animal Reproduction Science</i> , 2007 , 102, 31-7	2.1	8
20	Testosterone immunization blocks the ovulatory process in laying hens without affecting ovarian follicular development. <i>Animal Reproduction Science</i> , 2005 , 86, 143-51	2.1	8
19	Physiological responses of cultured bovine granulosa cells to elevated temperatures under low and high oxygen in the presence of different concentrations of melatonin. <i>Theriogenology</i> , 2018 , 105, 107-114 ²⁸	2.8	7
18	Reduced response to an estrous induction program in postpartum beef cows treated with zilpaterol and gaining body weight. <i>Animal Reproduction Science</i> , 2012 , 130, 1-8	2.1	7
17	Pregnancy success of lactating Holstein cows after a single administration of a sustained-release formulation of recombinant bovine somatotropin. <i>BMC Veterinary Research</i> , 2008 , 4, 22	2.7	7

16	The influence of the corpus luteum on ovarian follicular dynamics during estrous synchronization in goats. <i>Animal Reproduction Science</i> , 2004 , 84, 369-75	2.1	7
15	Induction of a new follicular wave in holstein heifers synchronized with norgestomet. <i>Animal Reproduction Science</i> , 2004 , 80, 47-57	2.1	7
14	Predictive value of palpation per rectum for detection of the CL in Zebu cattle as evaluated by progesterone concentrations and ultrasonography. <i>Theriogenology</i> , 1996 , 46, 471-9	2.8	7
13	Increased incidence of DNA amplification in follicular than in uterine and blood samples indicates possible tropism of <i>Neospora caninum</i> to the ovarian follicle. <i>Veterinary Parasitology</i> , 2012 , 188, 175-8	2.8	6
12	Progesterone and the distribution of pituitary gonadotropin isoforms in cattle. <i>Animal Reproduction Science</i> , 2008 , 104, 164-76	2.1	6
11	Dynamics and Aetiology of Ovarian Follicular Cysts in Post-Partum Dairy Cattle. <i>Reproduction in Domestic Animals</i> , 1998 , 33, 285-288	1.6	4
10	O-027. Leptin: in-vitro and in-vivo evidence for direct effects on the ovary in monovulatory ruminants. <i>Human Reproduction</i> , 1999 , 14, 15-16	5.7	3
9	Increased body condition score through increased lean muscle, but not fat deposition, is associated with reduced reproductive response to oestrus induction in beef cows. <i>Animal</i> , 2016 , 10, 1706-13	3.1	3
8	Pregnancy rate in dairy cows treated with progesterone for six days during estrus synchronization with PGF ₂ α. <i>Animal Reproduction Science</i> , 2016 , 166, 128-32	2.1	2
7	Cow-calf management practices in Mexico: Farm organization and infrastructure. <i>Veterinaria México OA</i> , 2019 , 6,	0.9	2
6	Evaluation of metabolic, endocrine and growth features in the Mexican hairless pig to determinate its potential as model for obesity in comparison with commercial pigs. <i>Italian Journal of Animal Science</i> , 2010 , 9, e84	2.2	2
5	Hypoxia up-regulates VEGF ligand and downregulates VEGF soluble receptor mRNA expression in bovine granulosa cells in vitro. <i>Theriogenology</i> , 2021 , 165, 76-83	2.8	2
4	Co-ordinated expression of the VEGF system components in granulosa cells to develop a proangiogenic autocrine milieu during ovarian follicle development. <i>Molecular Reproduction and Development</i> , 2019 , 86, 156-165	2.6	2
3	Pregnancy rate in dairy cows treated with human chorionic gonadotropin five days after insemination. <i>Austral Journal of Veterinary Sciences</i> , 2017 , 49, 119-122	1	1
2	Control of ovarian function in cattle. <i>Proceedings of the British Society of Animal Science</i> , 1995 , 1995, 6-6		
1	Decreased Body Fat Reduces the Response to an Estrus Induction Program in Beef Suckling Cows, Associated to a Reduction in Leptin Concentration.. <i>Biology of Reproduction</i> , 2009 , 81, 494-494	3.9	