

Jos Roberto V Silva

List of Publications by Citations

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114
papers

2,197
citations

27
h-index

43
g-index

116
ext. papers

2,409
ext. citations

1.8
avg, IF

4.39
L-index

#	Paper	IF	Citations
114	Involvement of growth hormone (GH) and insulin-like growth factor (IGF) system in ovarian folliculogenesis. <i>Theriogenology</i> , 2009 , 71, 1193-208	2.8	173
113	Chilling ovarian fragments during transportation improves viability and growth of goat preantral follicles cultured in vitro. <i>Reproduction, Fertility and Development</i> , 2008 , 20, 640-7	1.8	109
112	Expression of growth differentiation factor 9 (GDF9), bone morphogenetic protein 15 (BMP15), and BMP receptors in the ovaries of goats. <i>Molecular Reproduction and Development</i> , 2005 , 70, 11-9	2.6	108
111	Influences of FSH and EGF on primordial follicles during in vitro culture of caprine ovarian cortical tissue. <i>Theriogenology</i> , 2004 , 61, 1691-704	2.8	106
110	Vitrification of goat preantral follicles enclosed in ovarian tissue by using conventional and solid-surface vitrification methods. <i>Cell and Tissue Research</i> , 2007 , 327, 167-76	4.2	85
109	Essential role of follicle stimulating hormone in the maintenance of caprine preantral follicle viability in vitro. <i>Zygote</i> , 2007 , 15, 173-82	1.6	81
108	Survival and growth of goat primordial follicles after in vitro culture of ovarian cortical slices in media containing coconut water. <i>Animal Reproduction Science</i> , 2004 , 81, 273-86	2.1	68
107	Study of preantral follicle population in situ and after mechanical isolation from caprine ovaries at different reproductive stages. <i>Animal Reproduction Science</i> , 1999 , 56, 223-36	2.1	62
106	Effect of the interval of serial sections of ovarian tissue in the tissue chopper on the number of isolated caprine preantral follicles. <i>Animal Reproduction Science</i> , 1999 , 56, 39-49	2.1	59
105	Light microscopical and ultrastructural characterization of goat preantral follicles. <i>Small Ruminant Research</i> , 2001 , 41, 61-69	1.7	54
104	Effect of coconut water and Braun-Collins solutions at different temperatures and incubation times on the morphology of goat preantral follicles preserved in vitro. <i>Theriogenology</i> , 2000 , 54, 809-22	2.8	49
103	Expression of follicle-stimulating hormone receptor (FSHR) in goat ovarian follicles and the impact of sequential culture medium on in vitro development of caprine preantral follicles. <i>Zygote</i> , 2011 , 19, 205-14	1.6	47
102	Histological and ultrastructural analysis of cryopreserved sheep preantral follicles. <i>Animal Reproduction Science</i> , 2006 , 91, 249-63	2.1	46
101	Real time PCR and importance of housekeeping genes for normalization and quantification of mRNA expression in different tissues. <i>Brazilian Archives of Biology and Technology</i> , 2013 , 56, 143-154	1.8	44
100	Short-term preservation of canine preantral follicles: Effects of temperature, medium and time. <i>Animal Reproduction Science</i> , 2009 , 115, 201-14	2.1	40
99	Follicle stimulating hormone and fibroblast growth factor-2 interact and promote goat primordial follicle development in vitro. <i>Reproduction, Fertility and Development</i> , 2007 , 19, 677-84	1.8	40
98	Ovarian follicle development in vitro and oocyte competence: advances and challenges for farm animals. <i>Domestic Animal Endocrinology</i> , 2016 , 55, 123-35	2.3	39

97	Expression of vascular endothelial growth factor (VEGF) receptor in goat ovaries and improvement of in vitro caprine preantral follicle survival and growth with VEGF. <i>Reproduction, Fertility and Development</i> , 2009 , 21, 679-87	1.8	39
96	The activin-follistatin system and in vitro early follicle development in goats. <i>Journal of Endocrinology</i> , 2006 , 189, 113-25	4.7	38
95	Gene expression and protein localisation for activin-A, follistatin and activin receptors in goat ovaries. <i>Journal of Endocrinology</i> , 2004 , 183, 405-15	4.7	37
94	Preservation of bovine preantral follicle viability and ultra-structure after cooling and freezing of ovarian tissue. <i>Animal Reproduction Science</i> , 2008 , 108, 309-18	2.1	32
93	Steady-state level of kit ligand mRNA in goat ovaries and the role of kit ligand in preantral follicle survival and growth in vitro. <i>Molecular Reproduction and Development</i> , 2010 , 77, 231-40	2.6	31
92	Degeneration rate of preantral follicles in the ovaries of goats. <i>Small Ruminant Research</i> , 2002 , 43, 203-209		28
91	The bone morphogenetic protein system and the regulation of ovarian follicle development in mammals. <i>Zygote</i> , 2016 , 24, 1-17	1.6	27
90	Recombinant epidermal growth factor maintains follicular ultrastructure and promotes the transition to primary follicles in caprine ovarian tissue cultured in vitro. <i>Reproductive Sciences</i> , 2009 , 16, 239-46	3	27
89	Cryopreservation and in vitro culture of caprine preantral follicles. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 40-7	1.8	27
88	The Kit ligand/c-Kit receptor system in goat ovaries: gene expression and protein localization. <i>Zygote</i> , 2006 , 14, 317-28	1.6	27
87	Effects of storage time and temperature on atresia of goat ovarian preantral follicles held in M199 with or without indole-3-acetic acid supplementation. <i>Theriogenology</i> , 2001 , 55, 1607-17	2.8	23
86	Bovine ovarian stem cells differentiate into germ cells and oocyte-like structures after culture in vitro. <i>Reproduction in Domestic Animals</i> , 2017 , 52, 243-250	1.6	22
85	BMPRII and BMPRII mRNA expression levels in goat ovarian follicles and the in vitro effects of BMP-15 on preantral follicle development. <i>Cell and Tissue Research</i> , 2012 , 348, 225-38	4.2	22
84	Stability of housekeeping genes and expression of locally produced growth factors and hormone receptors in goat preantral follicles. <i>Zygote</i> , 2011 , 19, 71-83	1.6	22
83	Steady-state level of insulin-like growth factor-I (IGF-I) receptor mRNA and the effect of IGF-I on the in vitro culture of caprine preantral follicles. <i>Theriogenology</i> , 2012 , 77, 206-13	2.8	21
82	Steady-state level of bone morphogenetic protein-15 in goat ovaries and its influence on in vitro development and survival of preantral follicles. <i>Molecular and Cellular Endocrinology</i> , 2011 , 338, 1-9	4.4	21
81	Morphological and ultrastructural changes occurring during degeneration of goat preantral follicles preserved in vitro. <i>Animal Reproduction Science</i> , 2001 , 66, 209-23	2.1	19
80	Direct comparative analysis of conventional and directional freezing for the cryopreservation of whole ovaries. <i>Fertility and Sterility</i> , 2013 , 100, 1122-31	4.8	18

79	Levels of mRNA for bone morphogenetic proteins, their receptors and SMADs in goat ovarian follicles grown in vivo and in vitro. <i>Reproduction, Fertility and Development</i> , 2012 , 24, 723-32	1.8	17
78	Effects of growth differentiation factor-9 and FSH on in vitro development, viability and mRNA expression in bovine preantral follicles. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 1194-203	1.8	17
77	Levels of BMP-6 mRNA in goat ovarian follicles and in vitro effects of BMP-6 on secondary follicle development. <i>Zygote</i> , 2013 , 21, 270-8	1.6	16
76	Steady-state level of epidermal growth factor (EGF) mRNA and effect of EGF on in vitro culture of caprine preantral follicles. <i>Cell and Tissue Research</i> , 2011 , 344, 539-50	4.2	16
75	Morphological and ultrastructural analysis of sheep primordial follicles preserved in 0.9% saline solution and TCM 199. <i>Theriogenology</i> , 2004 , 62, 65-80	2.8	16
74	Expression of TNF- β system members in bovine ovarian follicles and the effects of TNF- β or dexamethasone on preantral follicle survival, development and ultrastructure in vitro. <i>Animal Reproduction Science</i> , 2017 , 182, 56-68	2.1	15
73	Effects of bone morphogenetic protein 4 (BMP4) on in vitro development and survival of bovine preantral follicles enclosed in fragments ovarian tissue. <i>Zygote</i> , 2017 , 25, 256-264	1.6	15
72	Effect of bone morphogenetic proteins 2 and 4 on survival and development of bovine secondary follicles cultured in vitro. <i>Theriogenology</i> , 2018 , 110, 44-51	2.8	15
71	Presence of c-kit mRNA in goat ovaries and improvement of in vitro preantral follicle survival and development with kit ligand. <i>Molecular and Cellular Endocrinology</i> , 2011 , 345, 38-47	4.4	15
70	Evaluation of saline and coconut water solutions in the preservation of sheep preantral follicles in situ. <i>Small Ruminant Research</i> , 2002 , 43, 235-243	1.7	15
69	Effect of Braun-Collins and saline solutions at different temperatures and incubation times on the quality of goat preantral follicles preserved in situ. <i>Animal Reproduction Science</i> , 2001 , 66, 195-208	2.1	15
68	Protein and messenger RNA expression of interleukin 1 system members in bovine ovarian follicles and effects of interleukin 1 β on primordial follicle activation and survival in vitro. <i>Domestic Animal Endocrinology</i> , 2016 , 54, 48-59	2.3	14
67	In vitro development of primordial follicles after long-term culture of goat ovarian tissue. <i>Research in Veterinary Science</i> , 2011 , 90, 404-11	2.5	14
66	Influence of different concentrations of LH and FSH on in vitro caprine primordial ovarian follicle development. <i>Small Ruminant Research</i> , 2008 , 78, 87-95	1.7	14
65	Accelerated growth of bovine preantral follicles in vitro after stimulation with both FSH and BMP-15 is accompanied by ultrastructural changes and increased atresia. <i>Theriogenology</i> , 2013 , 79, 1269-77	2.8	13
64	Gene expression and immunolocalization of fibroblast growth factor 2 in the ovary and its effect on the in vitro culture of caprine preantral ovarian follicles. <i>Reproduction in Domestic Animals</i> , 2012 , 47, 20-5	1.6	12
63	Expression of growth and differentiation factor 9 (GDF-9) and its effect on the in vitro culture of caprine preantral ovarian follicles. <i>Small Ruminant Research</i> , 2011 , 100, 169-176	1.7	11
62	Effect of bone morphogenetic protein-7 (BMP-7) on in vitro survival of caprine preantral follicles. <i>Pesquisa Veterinaria Brasileira</i> , 2010 , 30, 305-310	0.4	11

61	The effect of IGF-1 and FSH on the in vitro development of caprine secondary follicles and on the IGF-1, IGFR-I and FSHR mRNA levels. <i>Research in Veterinary Science</i> , 2012 , 93, 729-32	2.5	10
60	Influence of BMP-2 on early follicular development and mRNA expression of oocyte specific genes in bovine preantral follicles cultured in vitro. <i>Histology and Histopathology</i> , 2016 , 31, 339-48	1.4	10
59	Effects of tumour necrosis factor-alpha and interleukin-1 beta on in vitro development of bovine secondary follicles. <i>Reproduction in Domestic Animals</i> , 2018 , 53, 997-1005	1.6	10
58	Presence of growth hormone receptor (GH-R) mRNA and protein in goat ovarian follicles and improvement of in vitro preantral follicle survival and development with GH. <i>Theriogenology</i> , 2014 , 82, 27-35	2.8	9
57	Expression levels of mRNA for insulin-like growth factors 1 and 2, IGF receptors and IGF binding proteins in in vivo and in vitro grown bovine follicles. <i>Zygote</i> , 2014 , 22, 521-32	1.6	9
56	Expression of mRNA and protein localization of epidermal growth factor and its receptor in goat ovaries. <i>Zygote</i> , 2006 , 14, 107-17	1.6	9
55	Bone Morphogenetic Protein-6 (BMP-6) induces atresia in goat primordial follicles cultured in vitro. <i>Pesquisa Veterinaria Brasileira</i> , 2010 , 30, 770-781	0.4	8
54	Efeito da palhada de cultivares de cana-de-açúcar na emergência de <i>Cyperus rotundus</i> . <i>Planta Daninha</i> , 2003 , 21, 373-380	0.7	8
53	Effect of 0.9% saline solution and phosphate buffer saline at different temperatures and incubation times on the morphology of goat preantral follicles. <i>Brazilian Journal of Veterinary Research and Animal Science</i> , 2002 , 39,	0.3	8
52	Control of growth and development of preantral follicle: insights from in vitro culture. <i>Animal Reproduction</i> , 2018 , 15, 648-659	1.7	8
51	Vasoactive intestinal peptide improves the survival and development of caprine preantral follicles after in vitro tissue culture. <i>Cells Tissues Organs</i> , 2010 , 191, 414-21	2.1	7
50	Característica histológica, ultra-estrutural e produção de nitrito de folículos pré-antrais caprinos cultivados in vitro na ausência ou presença de soro. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2008 , 60, 1329-1337	0.3	7
49	Transport of Domestic and Wild Animal Ovaries: A Review of the Effects of Medium, Temperature, and Periods of Storage on Follicular Viability. <i>Biopreservation and Biobanking</i> , 2019 , 17, 84-90	2.1	7
48	Comparative study of the chemical composition, antibacterial activity and synergic effects of the essential oils of <i>Croton tetradenius</i> baill. And <i>C. pulegioidorus</i> baill. Against <i>Staphylococcus aureus</i> isolates. <i>Microbial Pathogenesis</i> , 2021 , 156, 104934	3.8	7
47	Effects of frutalin on early follicle morphology, ultrastructure and gene expression in cultured goat ovarian cortical tissue. <i>Histology and Histopathology</i> , 2018 , 33, 41-53	1.4	7
46	Effects of melatonin on morphology and development of primordial follicles during in vitro culture of bovine ovarian tissue. <i>Reproduction in Domestic Animals</i> , 2019 , 54, 1567-1573	1.6	6
45	Expression levels of mRNA-encoding PDGF receptors in goat ovaries and the influence of PDGF on the in vitro development of caprine pre-antral follicles. <i>Reproduction in Domestic Animals</i> , 2012 , 47, 695-703	1.6	6
44	Preservation of goat preantral follicles enclosed in ovarian tissue in saline or TCM 199 solutions. <i>Small Ruminant Research</i> , 2005 , 58, 189-193	1.7	6

43	In vitro differentiation of primordial germ cells and oocyte-like cells from stem cells. <i>Histology and Histopathology</i> , 2018 , 33, 121-132	1.4	6
42	Conservaõ de folículos pr-antrais bovinos em soluõ salina 0,9% ou TCM 199. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2007 , 59, 591-599	0.3	6
41	mRNA expression profile of the TNF-βsystem in LH-induced bovine preovulatory follicles and effects of TNF-βn gene expression, ultrastructure and expansion of cumulus-oocyte complexes cultured in vitro. <i>Theriogenology</i> , 2017 , 90, 1-10	2.8	5
40	Effects of different concentrations of concanavalin A and follicle stimulating hormone on goat primordial follicles activation, survival and gene expression. <i>Small Ruminant Research</i> , 2014 , 116, 183-191	1.7	5
39	Phytohemagglutinin improves the development and ultrastructure of in vitro-cultured goat (<i>Capra hircus</i>) preantral follicles. <i>Brazilian Journal of Medical and Biological Research</i> , 2013 , 46, 245-52	2.8	5
38	Ultrastructure of Sheep Primordial Follicles Cultured in the Presence of Indol Acetic Acid, EGF, and FSH. <i>Veterinary Medicine International</i> , 2010 , 2011, 670987	1.5	5
37	Influence of interleukin 1 beta and tumour necrosis factor alpha on the in vitro growth, maturation and mitochondrial distribution of bovine oocytes from small antral follicles. <i>Zygote</i> , 2018 , 26, 381-387	1.6	5
36	Cilostamide and follicular hemisections inhibit oocyte meiosis resumption and regulate gene expression and cAMP levels in bovine cumulus-oocyte complexes. <i>Livestock Science</i> , 2016 , 184, 112-118	1.7	4
35	Expression of markers for germ cells and oocytes in cow dermal fibroblast treated with 5-azacytidine and cultured in differentiation medium containing BMP2, BMP4 or follicular fluid. <i>Zygote</i> , 2017 , 25, 341-357	1.6	4
34	Differential effects of activin-A and FSH on growth, viability and messenger RNA expression in cultured bovine preantral follicles. <i>Livestock Science</i> , 2014 , 160, 199-207	1.7	4
33	Effect of plant regulators on growth and flowering of MeyerTzoysiagrass. <i>Planta Daninha</i> , 2013 , 31, 695-703	0.7	4
32	Effects of epidermal growth factor and progesterone on development, ultrastructure and gene expression of bovine secondary follicles cultured in vitro. <i>Theriogenology</i> , 2020 , 142, 284-290	2.8	4
31	Eugenol influences the expression of messenger RNAs for superoxide dismutase and glutathione peroxidase 1 in bovine secondary follicles cultured. <i>Zygote</i> , 2021 , 29, 301-306	1.6	4
30	Differential gene expression and immunolocalization of platelet-derived growth factors and their receptors in caprine ovaries. <i>Domestic Animal Endocrinology</i> , 2015 , 51, 46-55	2.3	3
29	Dose-dependent effects of frutalin on in vitro maturation and fertilization of pig oocytes. <i>Animal Reproduction Science</i> , 2018 , 192, 216-222	2.1	3
28	Effects of jacalin and follicle-stimulating hormone on in vitro goat primordial follicle activation, survival and gene expression. <i>Zygote</i> , 2015 , 23, 537-49	1.6	3
27	Effects of GDF-9 and FSH on mRNA expression for FSH-R, GDF-9 and BMPs in in vitro cultured goat preantral follicles. <i>Brazilian Archives of Biology and Technology</i> , 2014 , 57, 200-208	1.8	3
26	Degeneration rate of goat primordial follicles maintained in TCM 199 or PBS at different temperatures and incubation times. <i>Ciencia Rural</i> , 2003 , 33, 913-919	1.3	3

25	Supplementation of culture medium with knockout serum replacement improves the survival of bovine secondary follicles when compared with other protein sources during culture. <i>Zygote</i> , 2020 , 28, 32-36	1.6	3
24	Interleukin-1 β and TNF- β systems in ovarian follicles and their roles during follicular development, oocyte maturation and ovulation. <i>Zygote</i> , 2020 , 28, 270-277	1.6	2
23	Teste de toxicidade e criopreservaç�o de fol�culos pr�-antrais ovinos isolados utilizando Glicerol, Etilenoglicol, Dimetilsulf�ido e Propanodiol. <i>Brazilian Journal of Veterinary Research and Animal Science</i> , 2006 , 43, 250	0.3	2
22	Why Is It So Difficult To Have Competent Oocytes from In vitro Cultured Preantral Follicles?. <i>Reproductive Sciences</i> , 2022 , 1	3	2
21	Import�ncia dos fatores de crescimento locais na regulaç�o da foliculog�nese ovariana em m�m�os. <i>Acta Scientiae Veterinariae</i> , 2018 , 37, 215	1.1	2
20	RT-qPCR study of COX-1 and -2 genes in oral surgical model comparing single-dose preemptive ibuprofen and etoricoxib: A randomized clinical trial. <i>Journal of Clinical and Experimental Dentistry</i> , 2020 , 12, e371-e380	1.4	2
19	Effects of dexamethasone on growth, viability and ultrastructure of bovine secondary follicles cultured. <i>Zygote</i> , 2020 , 28, 504-510	1.6	2
18	Benefits and challenges of nanomaterials in assisted reproductive technologies. <i>Molecular Reproduction and Development</i> , 2021 , 88, 707-717	2.6	2
17	Aloe vera increases mRNA expression of antioxidant enzymes in cryopreserved bovine ovarian tissue and promotes follicular growth and survival after in vitro culture. <i>Cryobiology</i> , 2021 , 102, 104-113 ^{2.7}	2.7	2
16	In vitro culture of secondary follicles and prematuration of cumulus-oocyte complexes from antral follicles increase the levels of maturation-related transcripts in bovine oocytes. <i>Molecular Reproduction and Development</i> , 2019 , 86, 1874-1886	2.6	1
15	Effects of vulvar width and antral follicle count on oocyte quality, in vitro embryo production and pregnancy rate in <i>Bos taurus taurus</i> and <i>Bos taurus indicus</i> cows. <i>Animal Reproduction Science</i> , 2020 , 217, 106357	2.1	1
14	Controle qu�nico de <i>Typha subulata</i> em dois est�dios de desenvolvimento. <i>Planta Daninha</i> , 2004 , 22, 437-443	0.7	1
13	Deposiç�o de calda de pulverizaç�o sobre plantas de salva�ia em funç�o de pontas de pulverizaç�o e arranjos populacionais entre plantas de Aguar�e Alface-D�gua. <i>Planta Daninha</i> , 2011 , 29, 77-84	0.7	1
12	Cilostamide affects in a concentration and exposure time-dependent manner the viability and the kinetics of in vitro maturation of caprine and bovine oocytes. <i>Research in Veterinary Science</i> , 2019 , 122, 22-28	2.5	1
11	Molecular characteristics of oocytes and somatic cells of follicles at different sizes that influence in vitro oocyte maturation and embryo production. <i>Domestic Animal Endocrinology</i> , 2021 , 74, 106485	2.3	1
10	N-acetyl-cysteine and the control of oxidative stress during in vitro ovarian follicle growth, oocyte maturation, embryo development and cryopreservation. <i>Animal Reproduction Science</i> , 2021 , 231, 106801 ^{2.1}	2.1	1
9	Effects of epidermal growth factor and progesterone on oocyte meiotic resumption and the expression of maturation-related transcripts during prematuration of oocytes from small and medium-sized bovine antral follicles. <i>Reproduction, Fertility and Development</i> , 2020 , 32, 1190-1199	1.8	0
8	Antral follicular count and its relationship with ovarian volume, preantral follicle population and survival, oocyte meiotic progression and ultrastructure of matured bovine cumulus-oocyte complexes. <i>Zygote</i> , 2020 , 28, 495-503	1.6	0

7	Expression of angiotensin II receptors in the caprine ovary and improvement of follicular viability in vitro. <i>Zygote</i> , 2016 , 24, 568-77	1.6	o
6	In vivo effects of GnRH on expression of interleukin 1 (IL-1) system members in bovine preovulatory follicles and the influence of IL-1 on cumulus-oocyte complexes cultured in vitro. <i>Livestock Science</i> , 2017 , 206, 166-174	1.7	
5	Influence of caprine arthritis encephalitis on expression of ovulation related genes and activation of primordial follicles cultured in presence of phytohemagglutinin, epidermal growth factor or both. <i>Small Ruminant Research</i> , 2015 , 123, 278-286	1.7	
4	increases collagen fibres in extracellular matrix and mRNA expression of peroxiredoxin-6 in bovine ovarian cortical tissues cultured. <i>Zygote</i> , 2021 , 1-8	1.6	
3	Goat ovarian follicles express different levels of mRNA for inhibin- α subunit and activin-A stimulates secondary follicle growth in vitro. <i>Ciencia Rural</i> , 2013 , 43, 107-113	1.3	
2	Effects of frutalin and doxorubicin on growth, ultrastructure and gene expression in goat secondary follicles cultured in vitro. <i>Research in Veterinary Science</i> , 2018 , 120, 33-40	2.5	
1	Chemical composition and effects of Ocimum gratissimum essential oil (OGEO) on the expression of mRNA for antioxidant enzymes during in vitro culture of bovine ovarian secondary follicles. <i>Journal of Essential Oil Research</i> , 1-9	2.3	