JosÃ© Roberto V Silva

List of Publications by Year
in descending order

116 papers	2,743 citations	218677 26 h-index	214800 47 g-index
116 all docs	116 docs citations	116 times ranked	1838 citing authors

#	Article	IF	Citations
1	Involvement of growth hormone (GH) and insulin-like growth factor (IGF) system in ovarian folliculogenesis. Theriogenology, 2009, 71, 1193-1208.	2.1	213
2	Expression of growth differentiation factor 9 (GDF9), bone morphogenetic protein 15 (BMP15), and BMP receptors in the ovaries of goats. Molecular Reproduction and Development, 2005, 70, 11-19.	2.0	125
3	Chilling ovarian fragments during transportation improves viability and growth of goat preantral follicles cultured in vitro. Reproduction, Fertility and Development, 2008, 20, 640.	0.4	119
4	Influences of FSH and EGF on primordial follicles during in vitro culture of caprine ovarian cortical tissue. Theriogenology, 2004, 61, 1691-1704.	2.1	116
5	Vitrification of goat preantral follicles enclosed in ovarian tissue by using conventional and solid-surface vitrification methods. Cell and Tissue Research, 2007, 327, 167-176.	2.9	96
6	Essential role of follicle stimulating hormone in the maintenance of caprine preantral follicle viability in vitro. Zygote, 2007, 15, 173-182.	1.1	88
7	Study of preantral follicle population in situ and after mechanical isolation from caprine ovaries at different reproductive stages. Animal Reproduction Science, 1999, 56, 223-236.	1.5	72
8	Survival and growth of goat primordial follicles after in vitro culture of ovarian cortical slices in media containing coconut water. Animal Reproduction Science, 2004, 81, 273-286.	1.5	71
9	Real time PCR and importance of housekeepings genes for normalization and quantification of mRNA expression in different tissues. Brazilian Archives of Biology and Technology, 2013, 56, 143-154.	0.5	64
10	Effect of the interval of serial sections of ovarian tissue in the tissue chopper on the number of isolated caprine preantral follicles. Animal Reproduction Science, 1999, 56, 39-49.	1.5	61
11	Light microscopical and ultrastructural characterization of goat preantral follicles. Small Ruminant Research, 2001, 41, 61-69.	1.2	61
12	Effect of coconut water and Braun-Collins solutions at different temperatures and incubation times on the morphology of goat preantral follicles preserved in vitro. Theriogenology, 2000, 54, 809-822.	2.1	55
13	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. Zygote, 2011, 19, 205-214.	1.1	53
14	The bone morphogenetic protein system and the regulation of ovarian follicle development in mammals. Zygote, 2016, 24, 1-17.	1.1	53
15	Ovarian follicle development inÂvitro and oocyte competence: advances and challenges for farm animals. Domestic Animal Endocrinology, 2016, 55, 123-135.	1.6	53
16	Histological and ultrastructural analysis of cryopreserved sheep preantral follicles. Animal Reproduction Science, 2006, 91, 249-263.	1.5	47
17	Follicle stimulating hormone and fibroblast growth factor-2 interact and promote goat primordial follicle development in vitro. Reproduction, Fertility and Development, 2007, 19, 677.	0.4	47
18	Expression of vascular endothelial growth factor (VEGF) receptor in goat ovaries and improvement of in vitro caprine preantral follicle survival and growth with VEGF. Reproduction, Fertility and Development, 2009, 21, 679.	0.4	44

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19	Short-term preservation of canine preantral follicles: Effects of temperature, medium and time. Animal Reproduction Science, 2009, 115, 201-214.	1.5	42
20	The activin-follistatin system and in vitro early follicle development in goats. Journal of Endocrinology, 2006, 189, 113-125.	2.6	41
21	Gene expression and protein localisation for activin-A, follistatin and activin receptors in goat ovaries. Journal of Endocrinology, 2004, 183, 405-415.	2.6	39
22	Degeneration rate of preantral follicles in the ovaries of goats. Small Ruminant Research, 2002, 43, 203-209.	1.2	37
23	Preservation of bovine preantral follicle viability and ultra-structure after cooling and freezing of ovarian tissue. Animal Reproduction Science, 2008, 108, 309-318.	1.5	37
24	Steadyâ€state level of kit ligand mRNA in goat ovaries and the role of kit ligand in preantral follicle survival and growth in vitro. Molecular Reproduction and Development, 2010, 77, 231-240.	2.0	34
25	Recombinant Epidermal Growth Factor Maintains Follicular Ultrastructure and Promotes the Transition to Primary Follicles in Caprine Ovarian Tissue Cultured In Vitro. Reproductive Sciences, 2009, 16, 239-246.	2.5	32
26	Cryopreservation and in vitro culture of caprine preantral follicles. Reproduction, Fertility and Development, 2011, 23, 40.	0.4	31
27	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. Theriogenology, 2012, 77, 206-213.	2.1	28
28	The Kit ligand/c-Kit receptor system in goat ovaries: gene expression and protein localization. Zygote, 2006, 14, 317-328.	1.1	27
29	BMPRIB and BMPRII mRNA expression levels in goat ovarian follicles and the in vitro effects of BMP-15 on preantral follicle development. Cell and Tissue Research, 2012, 348, 225-238.	2.9	26
30	Accelerated growth of bovine preantral follicles inÂvitro after stimulation with both FSH and BMP-15 is accompanied by ultrastructural changes and increased atresia. Theriogenology, 2013, 79, 1269-1277.	2.1	26
31	Effects of growth differentiation factor-9 and FSH on in vitro development, viability and mRNA expression in bovine preantral follicles. Reproduction, Fertility and Development, 2013, 25, 1194.	0.4	26
32	Bovine ovarian stem cells differentiate into germ cells and oocyteâ€like structures after culture in vitro. Reproduction in Domestic Animals, 2017, 52, 243-250.	1.4	26
33	Effects of storage time and temperature on atresia of goat ovarian preantral follicles held in M199 with or without indole-3-acetic acid supplementation. Theriogenology, 2001, 55, 1607-1617.	2.1	25
34	Steady-state level of bone morphogenetic protein-15 in goat ovaries and its influence on in vitro development and survival of preantral follicles. Molecular and Cellular Endocrinology, 2011, 338, 1-9.	3.2	25
35	Stability of housekeeping genes and expression of locally produced growth factors and hormone receptors in goat preantral follicles. Zygote, 2011, 19, 71-83.	1.1	25
36	Expression of TNF-Î± system members in bovine ovarian follicles and the effects of TNF-Î± or dexamethasone on preantral follicle survival, development and ultrastructure in vitro. Animal Reproduction Science, 2017, 182, 56-68.	1.5	25

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37	Interleukin-1Î² and TNF-Î± systems in ovarian follicles and their roles during follicular development, oocyte maturation and ovulation. Zygote, 2020, 28, 270-277.	1.1	23
38	Morphological and ultrastructural changes occurring during degeneration of goat preantral follicles preserved in vitro. Animal Reproduction Science, 2001, 66, 209-223.	1.5	22
39	Protein and messenger RNA expression of interleukin 1 system members in bovine ovarian follicles and effects ofÂinterleukin 1Î² on primordial follicle activation and survival inÂvitro. Domestic Animal Endocrinology, 2016, 54, 48-59.	1.6	21
40	Control of growth and development of preantral follicle: insights from in vitro culture. Animal Reproduction, 2018, 15, 648-659.	1.0	21
41	Morphological and ultrastructural analysis of sheep primordial follicles preserved in 0.9% saline solution and TCM 199. Theriogenology, 2004, 62, 65-80.	2.1	20
42	Levels of BMP-6 mRNA in goat ovarian follicles and in vitro effects of BMP-6 on secondary follicle development. Zygote, 2013, 21, 270-278.	1.1	20
43	Comparative study of the chemical composition, antibacterial activity and synergic effects of the essential oils of Croton tetradenius baill. And C. pulegiodorus baill. Against Staphylococcus aureus isolates. Microbial Pathogenesis, 2021, 156, 104934.	2.9	20
44	N-acetyl-cysteine and the control of oxidative stress during in vitro ovarian follicle growth, oocyte maturation, embryo development and cryopreservation. Animal Reproduction Science, 2021, 231, 106801.	1.5	20
45	Direct comparative analysis of conventional and directional freezing for the cryopreservation of whole ovaries. Fertility and Sterility, 2013, 100, 1122-1131.	1.0	19
46	Effect of bone morphogenetic proteins 2 and 4 on survival and development of bovine secondary follicles cultured inÂvitro. Theriogenology, 2018, 110, 44-51.	2.1	19
47	Effects of melatonin on morphology and development of primordial follicles during in vitro culture of bovine ovarian tissue. Reproduction in Domestic Animals, 2019, 54, 1567-1573.	1.4	19
48	Effect of Braun-Collins and Saline solutions at different temperatures and incubation times on the quality of goat preantral follicles preserved in situ. Animal Reproduction Science, 2001, 66, 195-208.	1.5	18
49	Evaluation of saline and coconut water solutions in the preservation of sheep preantral follicles in situ. Small Ruminant Research, 2002, 43, 235-243.	1.2	18
50	Steady-state level of epidermal growth factor (EGF) mRNA and effect of EGF on in vitro culture of caprine preantral follicles. Cell and Tissue Research, 2011, 344, 539-550.	2.9	17
51	Levels of mRNA for bone morphogenetic proteins, their receptors and SMADs in goat ovarian follicles grown in vivo and in vitro. Reproduction, Fertility and Development, 2012, 24, 723.	0.4	17
52	Effects of tumour necrosis factorâ€alpha and interleukinâ€1 beta on in vitro development of bovine secondary follicles. Reproduction in Domestic Animals, 2018, 53, 997-1005.	1.4	17
53	Presence of c-kit mRNA in goat ovaries and improvement of in vitro preantral follicle survival and development with kit ligand. Molecular and Cellular Endocrinology, 2011, 345, 38-47.	3.2	16
54	In vitro development of primordial follicles after long-term culture of goat ovarian tissue. Research in Veterinary Science, 2011, 90, 404-411.	1.9	16

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55	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. Reproduction in Domestic Animals, 2012, 47, 20-25.	1.4	16
56	Presence of growth hormone receptor (GH-R) mRNA and protein in goat ovarian follicles and improvement of inÂvitro preantral follicle survival and development with GH. Theriogenology, 2014, 82, 27-35.	2.1	16
57	Effects of bone morphogenetic protein 4 (BMP4) on in vitro development and survival of bovine preantral follicles enclosed in fragments ovarian tissue. Zygote, 2017, 25, 256-264.	1.1	16
58	Why Is It So Difficult To Have Competent Oocytes from In vitro Cultured Preantral Follicles?. Reproductive Sciences, 2022, 29, 3321-3334.	2.5	16
59	Influence of different concentrations of LH and FSH on in vitro caprine primordial ovarian follicle development. Small Ruminant Research, 2008, 78, 87-95.	1.2	15
60	Expression of growth and differentiation factor 9 (GDF-9) and its effect on the in vitro culture of caprine preantral ovarian follicles. Small Ruminant Research, 2011, 100, 169-176.	1.2	14
61	Expression of mRNA and protein localization of epidermal growth factor and its receptor in goat ovaries. Zygote, 2006, 14, 107-117.	1.1	11
62	Effect of bone morphogenetic protein-7 (BMP-7) on in vitro survival of caprine preantral follicles. Pesquisa Veterinaria Brasileira, 2010, 30, 305-310.	0.5	11
63	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. Zygote, 2018, 26, 381-387.	1.1	11
64	Eugenol influences the expression of messenger RNAs for superoxide dismutase and glutathione peroxidase 1 in bovine secondary follicles cultured in vitro. Zygote, 2021, 29, 301-306.	1.1	11
65	Influence of BMP-2 on early follicular development and mRNA expression of oocyte specific genes in bovine preantral follicles cultured in vitro. Histology and Histopathology, 2016, 31, 339-48.	0.7	11
66	Efeito da palhada de cultivares de cana-de-aÃ§Ãºcar na emergÃªncia de Cyperus rotundus. Planta Daninha, 2003, 21, 373-380.	0.5	11
67	Bone Morphogenetic Protein-6 (BMP-6) induces atresia in goat primordial follicles cultured in vitro. Pesquisa Veterinaria Brasileira, 2010, 30, 770-781.	0.5	10
68	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. Research in Veterinary Science, 2012, 93, 729-732.	1.9	10
69	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. Zygote, 2014, 22, 521-532.	1.1	10
70	Transport of Domestic and Wild Animal Ovaries: A Review of the Effects of Medium, Temperature, and Periods of Storage on Follicular Viability. Biopreservation and Biobanking, 2019, 17, 84-90.	1.0	10
71	In vitro differentiation of primordial germ cells and oocyte-like cells from stem cells. Histology and Histopathology, 2018, 33, 121-132.	0.7	9
72	Effect of 0.9% saline solution and phosphate buffer saline at different temperatures and incubation times on the morphology of goat preantral follicles. Brazilian Journal of Veterinary Research and Animal Science, 2002, 39, .	0.2	9

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73	Ultrastructure of Sheep Primordial Follicles Cultured in the Presence of Indol Acetic Acid, EGF, and FSH. Veterinary Medicine International, 2011, 2011, 1-7.	1.5	8
74	Cilostamide and follicular hemisections inhibit oocyte meiosis resumption and regulate gene expression and cAMP levels in bovine cumulus-oocyte complexes. Livestock Science, 2016, 184, 112-118.	1.6	8
75	In vitro culture of secondary follicles and prematuration of cumulusâ€“oocyte complexes from antral follicles increase the levels of maturationâ€related transcripts in bovine oocytes. Molecular Reproduction and Development, 2019, 86, 1874-1886.	2.0	8
76	Effects of epidermal growth factor and progesterone on development, ultrastructure and gene expression of bovine secondary follicles cultured inÂvitro. Theriogenology, 2020, 142, 284-290.	2.1	8
77	Benefits and challenges of nanomaterials in assisted reproductive technologies. Molecular Reproduction and Development, 2021, 88, 707-717.	2.0	8
78	ConservaÃ§Ã£o de folÃculos prÃ©-antrais bovinos em soluÃ§Ã£o salina 0,9% ou TCM 199. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2007, 59, 591-599.	0.4	8
79	Effects of frutalin on early follicle morphology, ultrastructure and gene expression in cultured goat ovarian cortical tissue. Histology and Histopathology, 2018, 33, 41-53.	0.7	8
80	Preservation of goat preantral follicles enclosed in ovarian tissue in saline or TCM 199 solutions. Small Ruminant Research, 2005, 58, 189-193.	1.2	7
81	CaracterÃstica histolÃ³gica, ultra-estrutural e produÃ§Ã£o de nitrito de folÃculos prÃ©-antrais caprinos cultivados in vitro na ausÃªncia ou presenÃ§a de soro. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2008, 60, 1329-1337.	0.4	7
82	Vasoactive Intestinal Peptide Improves the Survival and Development of Caprine Preantral Follicles after in vitro Tissue Culture. Cells Tissues Organs, 2010, 191, 414-421.	2.3	7
83	Expression Levels of mRNAâ€Encoding PDGF Receptors in Goat Ovaries and the Influence of PDGF on the In Vitro Development of Caprine Preâ€Antral Follicles. Reproduction in Domestic Animals, 2012, 47, 695-703.	1.4	7
84	Effect of plant regulators on growth and flowering of 'Meyer' zoysiagrass. Planta Daninha, 2013, 31, 695-703.	0.5	7
85	Phytohemagglutinin improves the development and ultrastructure of in vitro-cultured goat (Capra) Tj ETQq1 1 0.784314 rgBT /Overlo	1.5	7
86	mRNA expression profile of the TNF-Î± system in LH-induced bovine preovulatory follicles and effects of TNF-Î± on gene expression, ultrastructure and expansion of cumulus-oocyte complexes cultured inÂvitro. Theriogenology, 2017, 90, 1-10.	2.1	7
87	Effects of dexamethasone on growth, viability and ultrastructure of bovine secondary follicles cultured in vitro. Zygote, 2020, 28, 504-510.	1.1	6
88	Effects of GDF-9 and FSH on mRNA expression for FSH-R, GDF-9 and BMPs in in vitro cultured goat preantral follicles. Brazilian Archives of Biology and Technology, 2014, 57, 200-208.	0.5	5
89	Differential effects of activin-A and FSH on growth, viability and messenger RNA expression in cultured bovine preantral follicles. Livestock Science, 2014, 160, 199-207.	1.6	5
90	Effects of different concentrations of concanavalin A and follicle stimulating hormone on goat primordial follicles activation, survival and gene expression. Small Ruminant Research, 2014, 116, 183-191.	1.2	5

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91	Differential gene expression and immunolocalization of platelet-derived growth factors and their receptors in caprine ovaries. Domestic Animal Endocrinology, 2015, 51, 46-55.	1.6	5
92	Supplementation of culture medium with knockout serum replacement improves the survival of bovine secondary follicles when compared with other protein sources duringin vitroculture. Zygote, 2020, 28, 32-36.	1.1	5
93	Antral follicular count and its relationship with ovarian volume, preantral follicle population and survival, oocyte meiotic progression and ultrastructure of in vitro matured bovine cumulusâ€“oocyte complexes. Zygote, 2020, 28, 495-503.	1.1	5
94	Molecular characteristics of oocytes and somatic cells of follicles at different sizes that influence inÂvitro oocyte maturation and embryo production. Domestic Animal Endocrinology, 2021, 74, 106485.	1.6	5
95	Teste de toxicidade e criopreservaÃ§Ã£o de folÃculos prÃ©-antrais ovinos isolados utilizando Glicerol, Etilenoglicol, DimetilsulfÃ³xido e Propanodiol. Brazilian Journal of Veterinary Research and Animal Science, 2006, 43, 250.	0.2	4
96	Effects of jacalin and follicle-stimulating hormone on in vitro goat primordial follicle activation, survival and gene expression. Zygote, 2015, 23, 537-549.	1.1	4
97	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. Zygote, 2017, 25, 341-357.	1.1	4
98	Effects of vulvar width and antral follicle count on oocyte quality, in vitro embryo production and pregnancy rate in Bos taurus taurus and Bos taurus indicus cows. Animal Reproduction Science, 2020, 217, 106357.	1.5	4
99	Aloe vera increases mRNA expression of antioxidant enzymes in cryopreserved bovine ovarian tissue and promotes follicular growth and survival after in vitro culture. Cryobiology, 2021, 102, 104-113.	0.7	4
100	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. Reproduction, Fertility and Development, 2020, 32, 1190.	0.4	4
101	Degeneration rate of goat primordial follicles maintained in TCM 199 or PBS at different temperatures and incubation times. Ciencia Rural, 2003, 33, 913-919.	0.5	3
102	Controle quÃmico de Typha subulata em dois estÃ¡dios de desenvolvimento. Planta Daninha, 2004, 22, 437-443.	0.5	3
103	Dose-dependent effects of frutalin on in vitro maturation and fertilization of pig oocytes. Animal Reproduction Science, 2018, 192, 216-222.	1.5	3
104	ImportÃ¢ncia dos fatores de crescimento locais na regulaÃ§Ã£o da foliculogÃªnese ovariana em mamÃferos. Acta Scientiae Veterinariae, 2018, 37, 215.	0.2	3
105	Expression of angiotensin II receptors in the caprine ovary and improvement of follicular viability in vitro. Zygote, 2016, 24, 568-577.	1.1	2
106	Cilostamide affects in a concentration and exposure time-dependent manner the viability and the kinetics of in vitro maturation of caprine and bovine oocytes. Research in Veterinary Science, 2019, 122, 22-28.	1.9	2
107	RT-qPCR study of COX-1 and -2 genes in oral surgical model comparing single-dose preemptive ibuprofen and etoricoxib: A randomized clinical trialy. Journal of Clinical and Experimental Dentistry, 2020, 12, e371-e380.	1.2	2
108	Aloe vera increases collagen fibres in extracellular matrix and mRNA expression of peroxiredoxin-6 in bovine ovarian cortical tissues cultured in vitro. Zygote, 2022, 30, 365-372.	1.1	2

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109	Effects of frutalin and doxorubicin on growth, ultrastructure and gene expression in goat secondary follicles cultured in vitro. Research in Veterinary Science, 2018, 120, 33-40.	1.9	1
110	DeposiÃ§Ã£o de calda de pulverizaÃ§Ã£o sobre plantas de salvÃ¡nia em funÃ§Ã£o de pontas de pulverizaÃ§Ã£o e arranjos populacionais entre plantas de AguapÃ© e Alface-D'Ã¡gua. Planta Daninha, 2011, 29, 77-84.	0.5	1
111	Structural characteristics and biotechnological applications of frutalin: lectin extracted from Artocarpus incisa. CiÃªncia E Natura, 0, 40, 46.	0.0	1
112	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. Small Ruminant Research, 2015, 123, 278-286.	1.2	0
113	In vivo effects of GnRH on expression of interleukin 1 (IL-1) system members in bovine preovulatory follicles and the influence of IL-1Î² on cumulus-oocyte complexes cultured in vitro. Livestock Science, 2017, 206, 166-174.	1.6	0
114	Goat ovarian follicles express different levels of mRNA for inhibin-ÃŸA subunit and activin-A stimulates secondary follicle growth in vitro. Ciencia Rural, 2013, 43, 107-113.	0.5	0
115	AlteraÃ§Ãµes na expressÃ£o de genes para citocinas, fatores de crescimento e seus receptores estÃ£o associadas com as neoplasias epiteliais ovarianas. Medicina, 2012, 45, 419.	0.1	0
116	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. Journal of Essential Oil Research, 0, , 1-9.	2.7	0