Maria Dolors Izquierdo

List of Publications by Citations

60 papers	1,225 citations	22 h-index	32 g-index
71 ext. papers	1,335 ext. citations	2 avg, IF	4.23 L-index

#	Paper	IF	Citations
60	Cryotops versus open-pulled straws (OPS) as carriers for the cryopreservation of bovine oocytes: effects on spindle and chromosome configuration and embryo development. *Cryobiology*, **2008**, 57, 137-41	2.7	87
59	Brilliant Cresyl Blue stain selects largest oocytes with highest mitochondrial activity, maturation-promoting factor activity and embryo developmental competence in prepubertal sheep. *Reproduction*, **2011**, 142, 517-27	3.8	67
58	Effects of pre-treating in vitro-matured bovine oocytes with the cytoskeleton stabilizing agent taxol prior to vitrification. *Molecular Reproduction and Development*, **2008**, 75, 191-201	2.6	51
57	Current status of in vitro embryo production in sheep and goats. *Reproduction in Domestic Animals*, **2014**, 49 Suppl 4, 37-48	1.6	46
56	Effect of culture media on embryo development from prepubertal goat IVM-IVF oocytes. *Theriogenology*, **1999**, 52, 847-61	2.8	44
55	Developmental competence of prepubertal goat oocytes selected with brilliant cresyl blue and matured with cysteamine supplementation. *Reproduction, Nutrition, Development*, **2003**, 43, 179-87		44
54	Effect of oocyte quality on blastocyst development after in vitro fertilization (IVF) and intracytoplasmic sperm injection (ICSI) in a sheep model. *Fertility and Sterility*, **2012**, 97, 1004-8	4.8	40
53	Effect of oocyte diameter on meiotic competence, embryo development, p34 (cdc2) expression and MPF activity in prepubertal goat oocytes. *Theriogenology*, **2007**, 67, 526-36	2.8	40
52	Vitrification of calf oocytes: effects of maturation stage and prematuration treatment on the nuclear and cytoskeletal components of oocytes and their subsequent development. *Molecular Reproduction and Development*, **2005**, 72, 239-49	2.6	39
51	Survival and apoptosis rates after vitrification in cryotop devices of in vitro-produced calf and cow blastocysts at different developmental stages. *Reproduction, Fertility and Development*, **2010**, 22, 1141-7	1.8	38
50	Developmental capacity of in vitro matured and fertilized oocytes from prepubertal and adult goats. *Theriogenology*, **1997**, 47, 1189-203	2.8	36
49	Recent advances in in vitro embryo production in small ruminants. *Theriogenology*, **2016**, 86, 152-9	2.8	36
48	Effect of the addition of insulin-transferrin-selenium and/or L-ascorbic acid to the in vitro maturation of prepubertal bovine oocytes on cytoplasmic maturation and embryo development. *Theriogenology*, **2010**, 74, 1341-8	2.8	33
47	Effect of semen preparation on IVF of prepubertal goat oocytes. *Theriogenology*, **1999**, 51, 927-40	2.8	31
46	Oocyte secreted factors improve embryo developmental competence of COCs from small follicles in prepubertal goats. *Theriogenology*, **2010**, 74, 1050-9	2.8	30
45	Prepubertal goat oocytes from large follicles result in similar blastocyst production and embryo ploidy than those from adult goats. *Theriogenology*, **2011**, 76, 1-11	2.8	28
44	Distribution of prepubertal and adult goat oocyte cortical granules during meiotic maturation and fertilisation: ultrastructural and cytochemical study. *Molecular Reproduction and Development*, **2004**, 68, 507-14	2.6	28

43	Beneficial effects of melatonin on in vitro embryo production from juvenile goat oocytes. *Reproduction, Fertility and Development*, **2018**, 30, 253-261	1.8	27
42	Effect of in vitro and in vivo culture on embryo development from prepubertal goat IVM-IVF oocytes. *Theriogenology*, **2002**, 57, 1431-41	2.8	27
41	Effect of follicle diameter on oocyte apoptosis, embryo development and chromosomal ploidy in prepubertal goats. *Theriogenology*, **2010**, 74, 364-73	2.8	25
40	Embryo development of prepubertal goat oocytes fertilised by intracytoplasmic sperm injection (ICSI) according to oocyte diameter. *Theriogenology*, **2006**, 66, 1065-72	2.8	25
39	Mitochondrial organization in prepubertal goat oocytes during in vitro maturation and fertilization. *Molecular Reproduction and Development*, **2006**, 73, 617-26	2.6	24
38	Supplementation with cysteamine during maturation and embryo culture on embryo development of prepubertal goat oocytes selected by the brilliant cresyl blue test. *Zygote*, **2003**, 11, 347-54	1.6	22
37	Effects of roscovitine on the nuclear and cytoskeletal components of calf oocytes and their subsequent development. *Theriogenology*, **2005**, 64, 1740-55	2.8	21
36	Vitrification of in vitro produced goat blastocysts: effects of oocyte donor age and development stage. *Cryobiology*, **2011**, 63, 240-4	2.7	20
35	Morphological events during in vitro fertilization of prepubertal goat oocytes matured in vitro. *Theriogenology*, **1997**, 48, 815-29	2.8	20
34	Embryo development and structural analysis of in vitro matured bovine oocytes vitrified in flexipet denuding pipettes. *Theriogenology*, **2008**, 70, 1536-43	2.8	20
33	Comparison between intracytoplasmic sperm injection and in vitro fertilisation employing oocytes derived from prepubertal goats. *Theriogenology*, **2005**, 64, 1249-62	2.8	20
32	Effect of the apoptosis rate observed in oocytes and cumulus cells on embryo development in prepubertal goats. *Animal Reproduction Science*, **2009**, 116, 95-106	2.1	19
31	Resveratrol supplementation during in vitro maturation improves embryo development of prepubertal goat oocytes selected by brilliant cresyl blue staining. *Journal of Reproduction and Development*, **2019**, 65, 113-120	2.1	18
30	Effects of melatonin on oocyte developmental competence and the role of melatonin receptor 1 in juvenile goats. *Reproduction in Domestic Animals*, **2019**, 54, 381-390	1.6	17
29	Developmental competence and embryo quality of small oocytes from pre-pubertal goats cultured in IVM medium supplemented with low level of hormones, insulin-transferrin-selenium and ascorbic acid. *Reproduction in Domestic Animals*, **2013**, 48, 339-44	1.6	16
28	Effect of roscovitine on nuclear maturation, MPF and MAP kinase activity and embryo development of prepubertal goat oocytes. *Theriogenology*, **2006**, 65, 1769-82	2.8	16
27	Total RNA and protein content, Cyclin B1 expression and developmental competence of prepubertal goat oocytes. *Animal Reproduction Science*, **2008**, 103, 290-303	2.1	15
26	Effect of ICSI and embryo biopsy on embryo development and apoptosis according to oocyte diameter in prepubertal goats. *Theriogenology*, **2007**, 67, 1399-408	2.8	15

25	Cysteamine, glutathione and ionomycin treatments improve in vitro fertilization of prepubertal goat oocytes. *Zygote*, **2004**, 12, 277-84	1.6	13
24	Biphasic in vitro maturation with C-type natriuretic peptide enhances the developmental competence of juvenile-goat oocytes. *PLoS ONE*, **2019**, 14, e0221663	3.7	12
23	Effect of the addition of glutathione and glucose to the culture medium on embryo development of IVM-IVF prepubertal goat oocytes. *Zygote*, **2003**, 11, 131-8	1.6	12
22	Sperm characteristics and heterologous in vitro fertilisation capacity of Iberian ibex (Capra pyrenaica) epididymal sperm, frozen in the presence of the enzymatic antioxidant catalase. *Cryobiology*, **2014**, 68, 389-94	2.7	10
21	Effect of sperm capacitation and fertilization media on IVF and early embryo development of prepubertal goat oocytes. *Theriogenology*, **1998**, 49, 1501-13	2.8	10
20	Effect of hormones, serum source and culture system on the IVM and IVF of prepubertal goat oocytes and subsequent embryo development. *Theriogenology*, **1995**, 43, 284	2.8	9
19	Linoleic (LA) and linolenic (ALA) acid concentrations in follicular fluid of prepubertal goats and their effect on oocyte in vitro maturation and embryo development. *Reproduction, Fertility and Development*, **2018**, 30, 286-296	1.8	8
18	Blastocyst development, MPF activity and ATP content of lamb oocytes supplemented with insulin□transferrin□selenium (ITS) and ascorbic acid at IVM. *Small Ruminant Research*, **2013**, 112, 103-107	1.7	8
17	Assisted reproduction technologies in goats. *Small Ruminant Research*, **2014**, 121, 21-26	1.7	7
16	In vitro developmental competence of prepubertal goat oocytes cultured with recombinant activin-A. *Animal*, **2014**, 8, 94-101	3.1	7
15	Effect of season on intrafollicular fatty acid concentrations and embryo production after in vitro fertilization and parthenogenic activation of prepubertal goat oocytes. *Small Ruminant Research*, **2018**, 168, 82-86	1.7	6
14	Effect of vitrification of in vitro matured prepubertal goat oocytes on embryo development after parthenogenic activation and intracytoplasmic sperm injection. *Cryobiology*, **2020**, 93, 56-61	2.7	5
13	Fertilization capacity of cryopreserved Iberian ibex epididymal sperm in a heterologous in vitro fertilization assay. *Zygote*, **2015**, 23, 136-44	1.6	4
12	Effect of crocetin added to IVM medium for prepubertal goat oocytes on blastocyst outcomes after IVF, intracytoplasmic sperm injection and parthenogenetic activation. *Theriogenology*, **2020**, 155, 70-76	2.8	4
11	The influence of sperm concentration, length of the gamete co-culture and the evolution of different sperm parameters on the in vitro fertilization of prepubertal goat oocytes. *Zygote*, **2010**, 18, 345-55	1.6	4
10	Effect of heparin and sperm concentration on IVF of prepubertal goat oocytes. *Theriogenology*, **1995**, 43, 292	2.8	4
9	Intracytoplasmic sperm injection (ICSI) of prepubertal goat oocytes using fresh and frozen-thawed semen. *Small Ruminant Research*, **2019**, 170, 137-142	1.7	3
8	Effect of follicle size on hormonal status of follicular fluid, oocyte ATP content, and in□vitro embryo production in prepubertal sheep. *Domestic Animal Endocrinology*, **2021**, 75, 106582	2.3	3

7	Reproductive technologies in goats **2020**, 55-66		2
6	366 SEXING OF GOAT BLASTOCYSTS PRODUCED IN VITRO BY FISH USING CHROMOSOME X AND Y OVINE SPECIFIC PROBES. *Reproduction, Fertility and Development*, **2010**, 22, 339	1.8	2
5	251 SELECTION OF PREPUBERTAL SHEEP OOCYTES USING BRILLIANT CRESYL BLUE TEST. *Reproduction, Fertility and Development*, **2011**, 23, 223	1.8	2
4	Expression of a green fluorescence protein-carrier protein into mouse spermatozoa. *Biochemical and Biophysical Research Communications*, **2002**, 297, 841-6	3.4	1
3	Variability in in vitro fertilization outcomes of prepubertal goat oocytes explained by basic semen analyses. *Zygote*, **2016**, 24, 831-838	1.6	1
2	Small Ruminants: Prepubertal Oocyte Donors. *Methods in Molecular Biology*, **2019**, 2006, 155-163	1.4	0
1	Activin-A receptor expression patterns in prepubertal goat oocytes and derived embryos. *Reproduction in Domestic Animals*, **2019**, 54, 804-807	1.6	