

Alejo Menchaca

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72
papers

1,385
citations

20
h-index

36
g-index

81
ext. papers

1,593
ext. citations

2
avg, IF

4.73
L-index

#	Paper	IF	Citations
72	Efficient Generation of Myostatin Knock-Out Sheep Using CRISPR/Cas9 Technology and Microinjection into Zygotes. <i>PLoS ONE</i> , 2015 , 10, e0136690	3.7	170
71	New treatments associated with timed artificial insemination in small ruminants. <i>Reproduction, Fertility and Development</i> , 2004 , 16, 403	1.8	115
70	Ovarian dynamics, serum estradiol and progesterone concentrations during the interovulatory interval in goats. <i>Theriogenology</i> , 1999 , 52, 399-411	2.8	83
69	The pattern and manipulation of ovarian follicular growth in goats. <i>Animal Reproduction Science</i> , 2003 , 78, 271-87	2.1	81
68	Response of the 1-5 day-aged ovine corpus luteum to prostaglandin F2alpha. <i>Animal Reproduction Science</i> , 2003 , 78, 47-55	2.1	59
67	Relation between progesterone concentrations during the early luteal phase and follicular dynamics in goats. <i>Theriogenology</i> , 2002 , 57, 1411-9	2.8	53
66	Alternative programs for synchronizing and resynchronizing ovulation in beef cattle. <i>Theriogenology</i> , 2016 , 86, 388-96	2.8	51
65	New approaches to superovulation and embryo transfer in small ruminants. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 113-8	1.8	49
64	Endocrine, luteal and follicular responses after the use of the short-term protocol to synchronize ovulation in goats. <i>Animal Reproduction Science</i> , 2007 , 102, 76-87	2.1	45
63	Re-use of intravaginal progesterone devices associated with the Short-term Protocol for timed artificial insemination in goats. <i>Theriogenology</i> , 2011 , 75, 1195-200	2.8	37
62	Follicular recruitment and ovulatory response to FSH treatment initiated on day 0 or day 3 postovulation in goats. <i>Theriogenology</i> , 2002 , 58, 1713-21	2.8	35
61	Progesterone treatment, FSH plus eCG, GnRH administration, and Day 0 Protocol for MOET programs in sheep. <i>Theriogenology</i> , 2009 , 72, 477-83	2.8	34
60	Prostaglandin F2alpha treatment associated with timed artificial insemination in ewes. <i>Reproduction in Domestic Animals</i> , 2004 , 39, 352-5	1.6	34
59	CRISPR in livestock: From editing to printing. <i>Theriogenology</i> , 2020 , 150, 247-254	2.8	28
58	Ovulatory response and luteal function after eCG administration at the end of a progesterone and estradiol based treatment in postpartum anestrous beef cattle. <i>Animal Reproduction Science</i> , 2014 , 146, 111-6	2.1	28
57	Day 0 protocol: superstimulatory treatment initiated in the absence of a large follicle improves ovarian response and embryo yield in goats. <i>Theriogenology</i> , 2007 , 68, 1111-7	2.8	27
56	Pregnancy rate obtained with short-term protocol for timed artificial insemination in goats. <i>Reproduction in Domestic Animals</i> , 2007 , 42, 590-3	1.6	25

55	Effect of high progesterone concentrations during the early luteal phase on the length of the ovulatory cycle of goats. <i>Animal Reproduction Science</i> , 2001 , 68, 69-76	2.1	25
54	Ovarian responses and pregnancy rate with previously used intravaginal progesterone releasing devices for fixed-time artificial insemination in sheep. <i>Theriogenology</i> , 2013 , 79, 206-10	2.8	24
53	New insights and current tools for genetically engineered (GE) sheep and goats. <i>Theriogenology</i> , 2016 , 86, 160-9	2.8	24
52	Seventy years of progestagen treatments for management of the sheep oestrous cycle: where we are and where we should go. <i>Reproduction, Fertility and Development</i> , 2020 , 32, 441-452	1.8	20
51	Advances and limitations of in vitro embryo production in sheep and goats. <i>Animal Reproduction</i> , 2016 , 13, 273-278	1.7	19
50	Semen deposition by cervical, transcervical and intrauterine route for fixed-time artificial insemination (FTAI) in the ewe. <i>Theriogenology</i> , 2017 , 103, 30-35	2.8	18
49	Embryo survival and birth rate after minimum volume vitrification or slow freezing of in vivo and in vitro produced ovine embryos. <i>Cryobiology</i> , 2017 , 78, 8-14	2.7	18
48	Serum progesterone concentrations, follicular development and time of ovulation using a new progesterone releasing device (DICO [®]) in sheep. <i>Small Ruminant Research</i> , 2010 , 91, 219-224	1.7	17
47	Alternatives to improve a prostaglandin-based protocol for timed artificial insemination in sheep. <i>Theriogenology</i> , 2011 , 76, 1501-7	2.8	16
46	Programs for fixed-time artificial insemination in South American beef cattle. <i>Animal Reproduction</i> , 2018 , 15, 952-962	1.7	15
45	New treatments associated with timed artificial insemination in small ruminants. <i>Reproduction, Fertility and Development</i> , 2004 , 16, 403-13	1.8	15
44	Embryo development, fetal growth and postnatal phenotype of eGFP lambs generated by lentiviral transgenesis. <i>Transgenic Research</i> , 2015 , 24, 31-41	3.3	14
43	Fertility obtained with different progestogen intravaginal devices using Short-term protocol for fixed-time artificial insemination (FTAI) in sheep. <i>Livestock Science</i> , 2015 , 182, 125-128	1.7	14
42	Administration of the nonsteroidal anti-inflammatory drug tolfenamic acid at embryo transfer improves maintenance of pregnancy and embryo survival in recipient mice. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 271-5	3.4	13
41	Cryotolerance of Day 2 or Day 6 in vitro produced ovine embryos after vitrification by Cryotop or Spatula methods. <i>Cryobiology</i> , 2015 , 70, 17-22	2.7	13
40	From reproductive technologies to genome editing in small ruminants: an embryo's journey. <i>Animal Reproduction</i> , 2018 , 15, 984-995	1.7	13
39	Effects of extending the length of pro-oestrus in an oestradiol- and progesterone-based oestrus synchronisation program on ovarian function, uterine environment and pregnancy establishment in beef heifers. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1541-1552	1.8	12
38	Impact of delipidated estrous sheep serum supplementation on in vitro maturation, cryotolerance and endoplasmic reticulum stress gene expression of sheep oocytes. <i>PLoS ONE</i> , 2018 , 13, e0198742	3.7	11

37	Time of ovulation and pregnancy outcomes obtained with the prostaglandin-based protocol Synchrovine for FTAI in sheep. <i>Theriogenology</i> , 2017 , 90, 163-168	2.8	10
36	Otoferlin gene editing in sheep via CRISPR-assisted ssODN-mediated Homology Directed Repair. <i>Scientific Reports</i> , 2020 , 10, 5995	4.9	10
35	Serum progesterone concentrations during FSH superstimulation of the first follicular wave affect embryo production in sheep. <i>Animal Reproduction Science</i> , 2018 , 196, 205-210	2.1	10
34	Evolution of knowledge on ovarian physiology and its contribution to the widespread application of reproductive biotechnologies in South American cattle. <i>Animal Reproduction</i> , 2018 , 15, 1003-1014	1.7	10
33	Oocyte developmental competence is improved by relatively greater circulating progesterone concentrations during preovulatory follicular growth. <i>Animal Reproduction Science</i> , 2018 , 195, 321-328	2.1	10
32	Ultrasonic study of follicular dynamics during the estrous cycle in goats. <i>Theriogenology</i> , 1998 , 49, 399	2.8	7
31	Use of injectable progesterone and hCG for fixed-time artificial insemination during the non-breeding season in goats. <i>Theriogenology</i> , 2019 , 127, 21-25	2.8	7
30	Effect of equine chorionic gonadotropin (eCG) administration and proestrus length on ovarian response, uterine functionality and pregnancy rate in beef heifers inseminated at a fixed-time. <i>Theriogenology</i> , 2020 , 151, 16-27	2.8	6
29	RAPID COMMUNICATION: Nerve growth factor influences cleavage rate and embryo development in sheep. <i>Journal of Animal Science</i> , 2016 , 94, 4447-4451	0.7	6
28	Social dominance of female dairy goats and response to oestrous synchronisation and superovulatory treatments. <i>Applied Animal Behaviour Science</i> , 2007 , 105, 115-121	2.2	6
27	Minimum volume Spatula MVD vitrification method improves embryo survival compared to traditional slow freezing, both for in vivo and in vitro produced mice embryos. <i>Cryobiology</i> , 2018 , 84, 77-81	2.7	5
26	Failure to establish and maintain a pregnancy in undernourished recipient ewes is associated with a poor endocrine milieu in the early luteal phase. <i>Animal Reproduction Science</i> , 2016 , 173, 80-6	2.1	5
25	Ovarian superstimulatory response and embryo development using a new recombinant glycoprotein with eCG-like activity in mice. <i>Theriogenology</i> , 2021 , 164, 31-35	2.8	4
24	Effect of expression of estrus and treatment with GnRH on pregnancies per AI in beef cattle synchronized with an estradiol/progesterone-based protocol. <i>Theriogenology</i> , 2021 , 161, 294-300	2.8	4
23	Luteal response and follicular dynamics induced with equine chorionic gonadotropin (eCG) administration after insemination in sheep. <i>Small Ruminant Research</i> , 2016 , 136, 202-207	1.7	3
22	Pregnancy establishment and maintenance after the administration of equine chorionic gonadotropin (eCG) associated or not with gonadotropin-releasing hormone (GnRH) after insemination in sheep. <i>Animal Production Science</i> , 2018 , 58, 1802	1.4	3
21	7 PREGNANCY RATES IN BEEF HEIFERS SYNCHRONIZED WITH A SHORTENED OESTRADIOL-BASED TREATMENT THAT PROVIDES FOR A PROLONGED PROESTRUS. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 96	1.8	3
20	Cumulus cells during in vitro fertilization and oocyte vitrification in sheep: Remove, maintain or add?. <i>Cryobiology</i> , 2020 , 92, 161-167	2.7	3

19	Sustainable Food Production: The Contribution of Genome Editing in Livestock. <i>Sustainability</i> , 2021 , 13, 6788	3.6	3
18	Ovarian response is not affected by the stage of seasonal anestrus or breed of goats when using a progesterone injection plus human chorionic gonadotropin-based protocol. <i>Animal Reproduction Science</i> , 2019 , 204, 60-65	2.1	2
17	116 PREGNANCY RATES AFTER ADMINISTRATION OF EQUINE CHORIONIC GONADOTROPIN (eCG) AT PROGESTERONE INTRAVAGINAL DEVICE REMOVAL AND 14 DAYS AFTER FIXED-TIME AI IN BEEF CATTLE. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 163	1.8	2
16	7 Pregnancy rates in suckled beef cows synchronized with a shortened progesterone/oestradiol-based protocol (J-synch) and inseminated with conventional or sexed-sorted semen. <i>Reproduction, Fertility and Development</i> , 2019 , 31, 129	1.8	2
15	Local influence of the corpus luteum on the ipsilateral oviduct and early embryo development in the ewe. <i>Theriogenology</i> , 2020 , 151, 7-15	2.8	2
14	Exogenous progestogens differentially alter gene expression of immature cumulus-oocyte complexes in sheep. <i>Domestic Animal Endocrinology</i> , 2021 , 74, 106518	2.3	2
13	Equine chorionic gonadotropin administration after insemination affects luteal function and pregnancy establishment in postpartum anestrus beef cows. <i>Domestic Animal Endocrinology</i> , 2018 , 62, 24-31	2.3	1
12	Long-Term Effect of Environmental Enrichment on Reproductive Performance of Swiss Webster Mice and Their Female Offspring. <i>Animals</i> , 2020 , 10,	3.1	1
11	Estradiol cypionate administered at the end of a progesterone-based protocol for FTAI induces ovulation and improves postovulatory luteal function and uterine environment in anestrus beef cows. <i>Theriogenology</i> , 2021 , 162, 74-83	2.8	1
10	Exogenous progestogen does not affect first-wave follicle populations and oocyte quality during ovarian stimulation with FSH in sheep. <i>Domestic Animal Endocrinology</i> , 2020 , 72, 106369	2.3	1
9	Generation of Double-Muscléd Sheep and Goats by CRISPR/Cas9-Mediated Knockout of the Myostatin Gene. <i>Methods in Molecular Biology</i> , 2022 , 295-323	1.4	1
8	Is prostaglandin F2 α administration at the beginning of a progesterone and estradiol-based treatment for FTAI an effective strategy in Bos taurus heifers?. <i>Animal Reproduction Science</i> , 2019 , 210, 106201	2.1	0
7	Generation of a Human Deafness Sheep Model Using the CRISPR/Cas System. <i>Methods in Molecular Biology</i> , 2022 , 233-244	1.4	0
6	Reproductive Strategies for Goat Production in Adverse Environments 2017 , 71-88		
5	Advances in the Generation of Genetically Modified (GM) Animal Models: Meeting report. <i>Transgenic Research</i> , 2015 , 24, 1087-90	3.3	
4	Association between length of proestrus, follicular size, estrus behavior, and pregnancy rate in beef heifers subjected to fixed-time artificial insemination.. <i>Theriogenology</i> , 2021 , 181, 1-7	2.8	
3	Colony aging affects the reproductive performance of Swiss Webster females used as recipients for embryo transfer. <i>Animal Reproduction</i> , 2020 , 17, e20200524	1.7	
2	Estradiol cypionate treatment in suckling/weaning and estrous cycling/anestrus beef cows subjected to fixed-time artificial insemination. <i>Animal Reproduction Science</i> , 2021 , 233, 106839	2.1	

- 1 Effect of the addition of GnRH and a second prostaglandin F₂ treatment on pregnancy per artificial insemination in lactating dairy cows submitted to an estradiol/progesterone-based timed-AI protocol. *Theriogenology*, **2022**, 188, 63-70 2.8