Anel Luis

List of Publications by Year
in descending order

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92 papers	3,188 citations	116194 36 h-index	206121 51 g-index
92 all docs	92 docs citations	92 times ranked	2084 citing authors

#	Article	IF	Citations
1	Frequency of Semen Collection Affects Ram Sperm Cryoresistance. Animals, 2022, 12, 1492.	1.0	6
2	Multiparametric Study of Antioxidant Effect on Ram Sperm Cryopreservationâ€"From Field Trials to Research Bench. Animals, 2021, 11, 283.	1.0	18
3	Centrifugal force assessment in ram sperm: identifying species-specific impact. Acta Veterinaria Scandinavica, 2021, 63, 42.	0.5	3
4	ProAKAP4 as Novel Molecular Marker of Sperm Quality in Ram: An Integrative Study in Fresh, Cooled and Cryopreserved Sperm. Biomolecules, 2020, 10, 1046.	1.8	28
5	Current challenges in sheep artificial insemination: A particular insight. Reproduction in Domestic Animals, 2019, 54, 32-40.	0.6	27
6	Depletion of thiols leads to redox deregulation, production of 4-hydroxinonenal and sperm senescence: a possible role for GSH regulation in spermatozoaâ€. Biology of Reproduction, 2019, 100, 1090-1107.	1.2	21
7	Extender osmolality, glycerol and egg yolk on the cryopreservation of epididymal spermatozoa for gamete banking of the Cantabric Chamois (Rupicapra pyrenaica parva). Theriogenology, 2019, 125, 109-114.	0.9	8
8	How does the microbial load affect the quality of equine cool-stored semen?. Theriogenology, 2018, 114, 212-220.	0.9	23
9	Redox cycling induces spermptosis and necrosis in stallion spermatozoa while the hydroxyl radical (OHâ€¢) only induces spermptosis. Reproduction in Domestic Animals, 2018, 53, 54-67.	0.6	7
10	A simple flow cytometry protocol to determine simultaneously live, dead and apoptotic stallion spermatozoa in fresh and frozen thawed samples. Animal Reproduction Science, 2018, 189, 69-76.	0.5	11
11	Progesterone stimulates the long-distance migration of capacitated ram spermatozoa through viscous media under geotactic condition. Theriogenology, 2018, 118, 7-15.	0.9	2
12	Computational flow cytometry reveals that cryopreservation induces spermptosis but subpopulations of spermatozoa may experience capacitation-like changes. Reproduction, 2017, 153, 293-304.	1.1	48
13	Stallion spermatozoa surviving freezing and thawing experience membrane depolarization and increased intracellular Na⁺. Andrology, 2017, 5, 1174-1182.	1.9	28
14	Flow cytometry in Spermatology: A bright future ahead. Reproduction in Domestic Animals, 2017, 52, 921-931.	0.6	21
15	Improving sperm banking efficiency in endangered species through the use of a sperm selection method in brown bear (Ursus arctos) thawed sperm. BMC Veterinary Research, 2017, 13, 200.	0.7	10
16	Pulse Doppler ultrasound as a tool for the diagnosis of chronic testicular dysfunction in stallions. PLoS ONE, 2017, 12, e0175878.	1.1	41
17	Analysis of seminal plasma from brown bear (Ursus arctos) during the breeding season: Its relationship with testosterone levels. PLoS ONE, 2017, 12, e0181776.	1.1	13
18	Caspase 3 Activity and Lipoperoxidative Status in Raw Semen Predict the Outcome of Cryopreservation of Stallion Spermatozoa. Biology of Reproduction, 2016, 95, 53-53.	1.2	32

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19	The use of gelatine in longâ€term storage (up to 48Âhr) at 5Â°C preserves the preâ€freezing and postâ€thawing quality of brown bear sperm. Reproduction in Domestic Animals, 2016, 51, 700-707.	0.6	2
20	Effect of colloid (Androcoll-Bear, Percoll, and PureSperm) selection on the freezability of brown bear (Ursus arctos) sperm. Theriogenology, 2016, 85, 1097-1105.	0.9	15
21	Head morphology of ram spermatozoa is associated with their ability to migrate in vitro and correlates with fertility. Reproduction, Fertility and Development, 2016, 28, 1825.	0.1	11
22	Ram spermatozoa migrating through artificial mucus in vitro have reduced mitochondrial membrane potential but retain their viability. Reproduction, Fertility and Development, 2015, 27, 852.	0.1	6
23	Optimization of conditions for long-term prefreezing storage of brown bear sperm before cryopreservation. Theriogenology, 2015, 84, 1161-1171.	0.9	4
24	Post-thawing quality and incubation resilience of cryopreserved ram spermatozoa are affected by antioxidant supplementation and choice of extender. Theriogenology, 2015, 83, 520-528.	0.9	45
25	Refrigerated storage of ram sperm in presence of Trolox and GSH antioxidants: Effect of temperature, extender and storage time. Animal Reproduction Science, 2014, 151, 137-147.	0.5	43
26	Alternative procedures for the cryopreservation of brown bear ejaculates depending on the flexibility of the â€œin coolingâ€•period (5Â°C). Cryobiology, 2014, 69, 434-441.	0.3	5
27	Tolerance of brown bear spermatozoa to conditions of pre-freezing cooling rate and equilibration time. Theriogenology, 2014, 81, 1229-1238.	0.9	8
28	Salvaging urospermic ejaculates from brown bear (Ursus arctos). Animal Reproduction Science, 2014, 150, 148-157.	0.5	4
29	Use of commercial extenders and alternatives to prevent sperm agglutination for cryopreservation of brown bear semen. Theriogenology, 2014, 82, 469-474.	0.9	8
30	Brown bear sperm double freezing: Effect of elapsed time and use of PureSpermÂ® gradient between freezeâ€“thaw cycles. Cryobiology, 2013, 67, 339-346.	0.3	12
31	The addition of heat shock protein HSPA8 to cryoprotective media improves the survival of brown bear (Ursus arctos) spermatozoa during chilling and after cryopreservation. Theriogenology, 2013, 79, 541-550.	0.9	20
32	The antioxidant effects of soybean lecithin- or low-density lipoprotein-based extenders for the cryopreservation of brown-bear (Ursus arctos) spermatozoa. Reproduction, Fertility and Development, 2013, 25, 1185.	0.1	18
33	Sperm concentration at freezing affects post-thaw quality and fertility of ram semen. Theriogenology, 2012, 77, 1111-1118.	0.9	40
34	Evaluation of the qualitative and quantitative effectiveness of three media of centrifugation (Maxifreeze, Cushion Fluid Equine, and PureSperm 100) in preparation of fresh or frozen-thawed brown bear spermatozoa. Theriogenology, 2012, 77, 1119-1128.	0.9	16
35	Evaluation of ram semen quality using polyacrylamide gel instead of cervical mucus in the sperm penetration test. Theriogenology, 2012, 77, 1575-1586.	0.9	17
36	Design and â€œin vivoâ€•evaluation of two adapted catheters for intrauterine transcervical insemination in sheep. Animal Reproduction Science, 2012, 131, 153-159.	0.5	21

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37	Specificity of the extender used for freezing ram sperm depends of the spermatozoa source (ejaculate,) Tj ETQq1 1 0.784314 rgBT /O	0.5	34
38	Reduced glutathione and Trolox (vitamin E) as extender supplements in cryopreservation of red deer epididymal spermatozoa. Animal Reproduction Science, 2012, 135, 37-46.	0.5	40
39	The percentage of spermatozoa lost during the centrifugation of brown bear (Ursus arctos) ejaculates is associated with some spermatozoa quality and seminal plasma characteristics. Animal Reproduction Science, 2012, 135, 113-121.	0.5	8
40	Optimization of Glycerol Concentration and Freezing Rate in the Cryopreservation of Ejaculate From Brown Bear (Ursus arctos). Reproduction in Domestic Animals, 2012, 47, 105-112.	0.6	22
41	Effect of Several Antioxidants on Thawed Ram Spermatozoa Submitted to 37Â°C up to Four Hours. Reproduction in Domestic Animals, 2012, 47, 907-914.	0.6	37
42	Spermatozoa recovery and post-thawing quality of brown bear ejaculates is affected for centrifugation regimes. European Journal of Wildlife Research, 2012, 58, 77-84.	0.7	8
43	Undiluted or extended storage of ram epididymal spermatozoa as alternatives to refrigerating the whole epididymes. Animal Reproduction Science, 2011, 126, 76-82.	0.5	28
44	Effect of storage method and extender osmolality in the quality of cryopreserved epididymal ram spermatozoa. Animal Reproduction Science, 2011, 129, 188-199.	0.5	22
45	Statistical Series: Opportunities and challenges of sperm motility subpopulation analysis. Theriogenology, 2011, 75, 783-795.	0.9	102
46	Quality of frozen-thawed semen in brown bear is not affected by timing of glycerol addition. Theriogenology, 2011, 75, 1561-1565.	0.9	17
47	The relationship between ram sperm head morphometry and fertility depends on the procedures of acquisition and analysis used. Theriogenology, 2011, 76, 1313-1325.	0.9	36
48	Evaluation of Three Different Extenders for Use in Emergency Salvaging of Epididymal Spermatozoa from a Cantabric Brown Bear. Reproduction in Domestic Animals, 2011, 46, e85-90.	0.6	17
49	Effects on brown bear (Ursus arctos) spermatozoa freezability of different extender and dilution ratios used for pre-freezing centrifugation. European Journal of Wildlife Research, 2011, 57, 259-266.	0.7	15
50	Probes and Techniques for Sperm Evaluation by Flow Cytometry. Reproduction in Domestic Animals, 2010, 45, 67-78.	0.6	148
51	The Acidic Probe LysoSensor^{â„¢}is not Useful for Acrosome Evaluation of Cryopreserved Ram Spermatozoa. Reproduction in Domestic Animals, 2010, 45, 363-367.	0.6	5
52	Effect of basic factors of extender composition on post-thawing quality of brown bear electroejaculated spermatozoa. Theriogenology, 2010, 74, 643-651.	0.9	35
53	Development of extender based on soybean lecithin for its application in liquid ram semen. Theriogenology, 2010, 74, 663-671.	0.9	36
54	Cryopreservation of Iberian red deer (Cervus elaphus hispanicus) spermatozoa obtained by electroejaculation. Theriogenology, 2009, 71, 628-638.	0.9	40

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55	Sperm Cryopreservation in Brown Bear (Ursus arctos): Preliminary Aspects. Reproduction in Domestic Animals, 2008, 43, 9-17.	0.6	29
56	Sperm parameters on Iberian red deer: Electroejaculation and post-mortem collection. Theriogenology, 2008, 70, 216-226.	0.9	45
57	Effects of cryopreservation on head morphometry and its relation with chromatin status in brown bear (Ursus arctos) spermatozoa. Theriogenology, 2008, 70, 1498-1506.	0.9	34
58	Incorporation of antifreeze proteins into zebrafish embryos by a non-invasive method. Cryobiology, 2008, 56, 216-222.	0.3	20
59	Multivariate cluster analysis to study motility activation of Solea senegalensis spermatozoa: a model for marine teleosts. Reproduction, 2008, 135, 449-459.	1.1	64
60	Extender osmolality and sugar supplementation exert a complex effect on the cryopreservation of Iberian red deer (Cervus elaphus hispanicus) epididymal spermatozoa. Theriogenology, 2007, 67, 738-753.	0.9	74
61	DNA fragmentation assessment by flow cytometry and Sperm?Bos?Halomax (bright-field microscopy) Tj ETQq1 1 0.784314 rgBT /Ove 30, 88-98.	3.6	49
62	Seasonal Changes in Sperm Chromatin Condensation in Ram (Ovis aries), Iberian Red Deer (Cervus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	42
63	Sperm Characteristics and DNA Integrity of Iberian Red Deer (Cervus elaphus hispanicus) Epididymal Spermatozoa Frozen in the Presence of Enzymatic and Nonenzymatic Antioxidants. Journal of Andrology, 2006, 28, 294-305.	2.0	73
64	Microinjection of the antifreeze protein type III (AFPIII) in turbot (Scophthalmus maximus) embryos: Toxicity and protein distribution. Aquaculture, 2006, 261, 1299-1306.	1.7	37
65	Comparison of two methods for obtaining spermatozoa from the cauda epididymis of Iberian red deer. Theriogenology, 2006, 65, 471-485.	0.9	81
66	A pilot study on post-thawing quality of Iberian red deer spermatozoa (epididymal and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (ele 2006, 66, 1165-1172.	0.9	47
67	Seminal plasma improves cryopreservation of Iberian red deer epididymal sperm. Theriogenology, 2006, 66, 1847-1856.	0.9	44
68	Influence of breed and age on morphometry and depth of inseminating catheter penetration in the ewe cervix: A postmortem study. Theriogenology, 2006, 66, 1876-1883.	0.9	58
69	Assessment of chromatin status (SCSAÂ®) in epididymal and ejaculated sperm in Iberian red deer, ram and domestic dog. Theriogenology, 2006, 66, 1921-1930.	0.9	46
70	Ovum Pick-up in Sheep: a Comparison between Different Aspiration Devices for Optimal Oocyte Retrieval. Reproduction in Domestic Animals, 2006, 41, 106-113.	0.6	35
71	Improvement Strategies in Ovine Artificial Insemination. Reproduction in Domestic Animals, 2006, 41, 30-42.	0.6	74
72	The Application of Reproductive Technologies to Natural Populations of Red Deer. Reproduction in Domestic Animals, 2006, 41, 93-102.	0.6	68

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73	Sperm Subpopulations in Iberian Red Deer Epididymal Sperm and Their Changes Through the Cryopreservation Process1. Biology of Reproduction, 2005, 72, 316-327.	1.2	118
74	Decay of sperm obtained from epididymes of wild ruminants depending on postmortem time. Theriogenology, 2005, 63, 24-40.	0.9	63
75	Factors influencing the success of vaginal and laparoscopic artificial insemination in churra ewes: a field assay. Theriogenology, 2005, 63, 1235-1247.	0.9	88
76	Season effect on genitalia and epididymal sperm from Iberian red deer, roe deer and Cantabrian chamois. Theriogenology, 2005, 63, 1857-1875.	0.9	41
77	Post mortem time and season alter subpopulation characteristics of Iberian red deer epididymal sperm. Theriogenology, 2005, 64, 958-974.	0.9	41
78	Effect of a vitrification protocol on the lactate dehydrogenase and glucose-6-phosphate dehydrogenase activities and the hatching rates of Zebrafish (Danio rerio) and Turbot (Scophthalmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	26
79	Effect of the interval between estrus onset and artificial insemination on sex ratio and fertility in cattle: a field study. Theriogenology, 2004, 62, 1264-1270.	0.9	47
80	Use of chromatin stability assay, mitochondrial stain JC-1, and fluorometric assessment of plasma membrane to evaluate frozen-thawed ram semen. Animal Reproduction Science, 2004, 84, 121-133.	0.5	93
81	Dimethyl sulfoxide influx in turbot embryos exposed to a vitrification protocol. Theriogenology, 2003, 60, 463-473.	0.9	26
82	Effect of epididymis handling conditions on the quality of ram spermatozoa recovered post-mortem. Theriogenology, 2003, 60, 1249-1259.	0.9	109
83	Field and in vitro assay of three methods for freezing ram semen. Theriogenology, 2003, 60, 1293-1308.	0.9	58
84	Ultrastructural and cytochemical comparison between calf and cow oocytes. Theriogenology, 2001, 55, 1107-1116.	0.9	38
85	Effect of external cryoprotectants as membrane stabilizers on cryopreserved rainbow trout sperm. Theriogenology, 2001, 56, 623-635.	0.9	93
86	Sublethal Damage during Cryopreservation of Rainbow Trout Sperm. Cryobiology, 1998, 37, 245-253.	0.3	52
87	Treatment of swine summer infertility syndrome by means of oxytocin under field conditions. Theriogenology, 1998, 49, 829-836.	0.9	31
88	Laparoscopic surgery in a clinical case of seminoma in a cryptorchid dog. Veterinary Record, 1998, 142, 671-672.	0.2	15
89	Surgical correction of a canine preputial deformity. Veterinary Record, 1996, 138, 496-497.	0.2	4
90	Swine summer infertility syndrome in north west Spain. Veterinary Record, 1996, 139, 93-94.	0.2	20

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91	Ultrastructural localization of lectin receptors in the preimplantation ovine embryo. The Anatomical Record, 1994, 240, 537-544.	2.3	6
92	Sheep embryo cryopreservation by vitrification and conventional freezing. Theriogenology, 1994, 42, 327-338.	0.9	7