

# CITATION REPORT

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**Lipids and calcium uptake of sperm in relation to cold shock and preservation: a review**

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#	Paper	IF	Citations
278	Seminal plasma affects membrane integrity and motility of equine spermatozoa after cryopreservation. <i>Theriogenology</i> , <b>1996</b> , 46, 791-7	2.8	100
277	Hypothermia and Mammalian Gametes. <b>1997</b> , 229-261		21
276	Canine Sperm Head Damage after Freezing-Thawing: Ultrastructural Evaluation and Content of Selected Elements. <i>Reproduction in Domestic Animals</i> , <b>1998</b> , 33, 77-82	1.6	13
275	Cryopreservation of in vitro-produced bovine embryos: effects of protein type and concentration during freezing or of liposomes during culture on post-thaw survival. <i>Theriogenology</i> , <b>1998</b> , 50, 495-506	2.8	20
274	La gouttelette cytoplasmique résiduelle du spermatozoïde. <b>1999</b> , 9, 380-386		
273	In vitro capacitation of fresh, chilled and frozen-thawed dog spermatozoa assessed by the chlortetracycline assay and changes in motility patterns. <i>Animal Reproduction Science</i> , <b>1999</b> , 57, 199-215	2.1	64
272	Effect of adding reduced glutathione during insemination on the development of porcine embryos in vitro. <i>Theriogenology</i> , <b>1999</b> , 51, 1311-9	2.8	30
271	Membrane fluidity predicts the outcome of cryopreservation of human spermatozoa. <b>2000</b> , 15, 2160-4		134
270	Radioimmunoassays for bull seminal plasma proteins (BSP-A1/-A2, BSP-A3, and BSP-30-Kilodaltons), and their quantification in seminal plasma and sperm. <b>2000</b> , 63, 1058-66		88
269	Effect of cooling on the motility and function of human spermatozoa. <i>Cryobiology</i> , <b>2000</b> , 41, 125-34	2.7	8
268	Conservation of sperms: current status and new trends. <i>Animal Reproduction Science</i> , <b>2000</b> , 60-61, 349-55	1.1	61
267	Protection of boar spermatozoa from cold shock damage by 2-hydroxypropyl-beta-cyclodextrin. <i>Theriogenology</i> , <b>2001</b> , 55, 615-27	2.8	21
266	Glycine betaine improves survival of fresh bovine spermatozoa. <i>Reproduction, Fertility and Development</i> , <b>2001</b> , 13, 187-92	1.8	6
265	Major proteins of bovine seminal plasma bind to the low-density lipoprotein fraction of hen's egg yolk. <b>2002</b> , 67, 1250-8		133
264	Mammalian cell injury induced by hypothermia- the emerging role for reactive oxygen species. <b>2002</b> , 383, 477-88		61
263	Effect of different extenders and storage temperatures on sperm viability of liquid ram semen. <i>Theriogenology</i> , <b>2002</b> , 57, 823-36	2.8	80
262	The effect of liposomes on thermotropic membrane phase transitions of bovine spermatozoa and oocytes: implications for reducing chilling sensitivity. <i>Cryobiology</i> , <b>2002</b> , 45, 143-52	2.7	74

261	Analysis of in vitro fertilizing capacity to evaluate the freezing procedures of boar semen and to predict the subsequent fertility. <i>Reproduction in Domestic Animals</i> , <b>2003</b> , 38, 66-72	1.6	42
260	Semen cryopreservation: Successes and persistent problems in farm species. <b>2003</b> , 83, 393-401		73
259	Reproductive period affects lipid composition and quality of fresh and stored spermatozoa in Turkeys. <i>Theriogenology</i> , <b>2003</b> , 59, 753-64	2.8	40
258	Effect of select lipids and vitamin E on motility and viability of liquid and cryopreserved boar spermatozoa. <b>2003</b> , 83, 81-88		2
257	Effect of cholesterol-loaded cyclodextrin on the cryosurvival of bull sperm. <i>Cryobiology</i> , <b>2004</b> , 48, 36-45	2.7	139
256	Sperm membrane fatty acid composition in the Eastern grey kangaroo ( <i>Macropus giganteus</i> ), koala ( <i>Phascolarctos cinereus</i> ), and common wombat ( <i>Vombatus ursinus</i> ) and its relationship to cold shock injury and cryopreservation success. <i>Cryobiology</i> , <b>2004</b> , 49, 137-48	2.7	28
255	Decrease in glutathione content in boar sperm after cryopreservation. Effect of the addition of reduced glutathione to the freezing and thawing extenders. <i>Theriogenology</i> , <b>2004</b> , 62, 690-701	2.8	168
254	Boar sperm storage capacity of BTS and Androhep Plus: viability, motility, capacitation, and tyrosine phosphorylation. <i>Theriogenology</i> , <b>2004</b> , 62, 874-86	2.8	45
253	Effects of egg yolk during the freezing step of cryopreservation on the viability of goat spermatozoa. <i>Theriogenology</i> , <b>2004</b> , 62, 1160-72	2.8	87
252	Liquid storage of Asian elephant ( <i>Elephas maximus</i> ) sperm at 4 degrees C. <i>Animal Reproduction Science</i> , <b>2004</b> , 80, 329-40	2.1	23
251	The effect of Equex STM paste and sperm morphology on post-thaw survival of cat epididymal spermatozoa. <i>Animal Reproduction Science</i> , <b>2004</b> , 84, 179-91	2.1	90
250	Survival and fertility of boar spermatozoa after freeze-thawing in extender supplemented with butylated hydroxytoluene. <b>2004</b> , 25, 397-405		101
249	Role of cholesterol, calcium, and mitochondrial activity in the susceptibility for cryodamage after a cycle of freezing and thawing. <b>2004</b> , 81, 588-94		40
248	Effect of egg-phosphatidylcholine on the chilling sensitivity and lipid phase transition of Asian elephant ( <i>Elephas maximus</i> ) spermatozoa. <b>2005</b> , 24, 233-245		21
247	Hypoosmotic test to predict viability of equine chilled semen in different extenders. <b>2005</b> , 57, 757-763		6
246	The effect of chilling on membrane lipid phase transition in human oocytes and zygotes. <b>2005</b> , 20, 3385-9		131
245	Osmotic tolerance of mouse spermatozoa from various genetic backgrounds: acrosome integrity, membrane integrity, and maintenance of motility. <i>Cryobiology</i> , <b>2005</b> , 50, 193-205	2.7	33
244	Ultramicroscopic and biochemical changes in ram spermatozoa cryopreserved with trehalose-based hypertonic extenders. <i>Cryobiology</i> , <b>2005</b> , 50, 239-49	2.7	78

243	Comparative aspects of sperm membrane fatty acid composition in silver ( <i>Vulpes vulpes</i> ) and blue ( <i>Alopex lagopus</i> ) foxes, and their relationship to cell cryopreservation. <i>Cryobiology</i> , <b>2005</b> , 51, 66-75	2.7	20
242	The fluidity of Chinese hamster ovary cell and bull sperm membranes after cholesterol addition. <i>Cryobiology</i> , <b>2005</b> , 51, 102-12	2.7	38
241	Within and between breed differences in freezing tolerance and plasma membrane fatty acid composition of boar sperm. <b>2006</b> , 131, 887-94		109
240	Equine sperm membrane phase behavior: the effects of lipid-based cryoprotectants. <b>2006</b> , 74, 359-65		58
239	Effect of oviductal proteins on sperm functions and lipid peroxidation levels during cryopreservation in buffaloes. <i>Animal Reproduction Science</i> , <b>2006</b> , 93, 246-57	2.1	36
238	An investigation into the similarities and differences governing the cryopreservation success of koala ( <i>Phascolarctos cinereus</i> : goldfuss) and common wombat ( <i>Vombatus ursinus</i> : shaw) spermatozoa. <i>Cryobiology</i> , <b>2006</b> , 53, 218-28	2.7	39
237	Sperm maturation in the domestic cat. <i>Theriogenology</i> , <b>2006</b> , 66, 14-24	2.8	41
236	Cryopreservation of Iberian red deer ( <i>Cervus elaphus hispanicus</i> ) epididymal spermatozoa: effects of egg yolk, glycerol and cooling rate. <i>Theriogenology</i> , <b>2006</b> , 66, 1931-42	2.8	37
235	Cholesterol-loaded cyclodextrins added to fresh bull ejaculates improve sperm cryosurvival. <b>2006</b> , 84, 826-33		59
234	Ultrastructure, osmotic tolerance, glycerol toxicity and cryopreservation of caput and cauda epididymal kangaroo spermatozoa. <i>Reproduction, Fertility and Development</i> , <b>2006</b> , 18, 469-76	1.8	21
233	Effects of egg yolk and cooling rate on the survival of refrigerated red deer ( <i>Cervus elaphus hispanicus</i> ) epididymal spermatozoa. <i>Reproduction in Domestic Animals</i> , <b>2006</b> , 41, 114-8	1.6	26
232	Ultrastructural alterations of frozen-thawed Asian elephant ( <i>Elephas maximus</i> ) spermatozoa. <b>2006</b> , 29, 346-52		24
231	Effect of storage in short- and long-term commercial semen extenders on the motility, plasma membrane and chromatin integrity of boar spermatozoa. <b>2006</b> , 29, 543-52		51
230	Effects of 2-hydroxypropyl-beta-cyclodextrin and cholesterol on porcine sperm viability and capacitation status following cold shock or incubation. <b>2006</b> , 73, 638-50		38
229	Effect of glycerol and cholesterol-loaded cyclodextrin on freezing-induced water loss in bovine spermatozoa. <b>2006</b> , 131, 875-86		27
228	Mechanism of action of L-arginine on the vitality of spermatozoa is primarily through increased biosynthesis of nitric oxide. <b>2006</b> , 74, 954-8		37
227	Kinetics of occurrence of some features of apoptosis during the cryopreservation process of bovine spermatozoa. <b>2007</b> , 22, 380-8		96
226	Roles of lipid peroxidation and cytoplasmic droplets on in vitro fertilization capacity of sperm collected from bovine epididymides stored at 4 and 34 degrees C. <i>Theriogenology</i> , <b>2007</b> , 67, 334-40	2.8	61

225	Epididymal and ejaculated cat spermatozoa are resistant to cold shock but egg yolk promotes sperm longevity during cold storage at 4 degrees C. <i>Theriogenology</i> , <b>2007</b> , 67, 1239-48	2.8	37
224	Semen cryopreservation in Bactrian camel ( <i>Camelus bactrianus</i> ) using SHOTOR diluent: effects of cooling rates and glycerol concentrations. <i>Theriogenology</i> , <b>2007</b> , 68, 618-25	2.8	34
223	Influence of supplementing diet with Oleic and Linoleic acid on the freezing ability and sex-sorting parameters of ram semen. <b>2007</b> , 110, 166-173		18
222	Study on the in vitro effect of zearalenone and alpha-zearalenol on boar sperm-zona pellucida interaction by hemizona assay application. <b>2007</b> , 27, 498-505		17
221	Post-thaw survival and longevity of bull spermatozoa frozen with an egg yolk-based or two egg yolk-free extenders after an equilibration period of 18 h. <i>Reproduction in Domestic Animals</i> , <b>2007</b> , 42, 305-11	1.6	40
220	Directional freezing of equine semen in large volumes. <i>Reproduction in Domestic Animals</i> , <b>2007</b> , 42, 610-5.6		43
219	Evaluation of zearalenone and alpha-zearalenol toxicity on boar sperm DNA integrity. <b>2008</b> , 28, 681-8		29
218	Morphometric changes in boar spermatozoa induced by cryopreservation. <b>2008</b> , 31, 490-8		28
217	Cryopreservation of Stallion Spermatozoa with INRA96 and Glycerol. <i>Journal of Equine Veterinary Science</i> , <b>2008</b> , 28, 672-676	1.2	14
216	Assessment of motility of ejaculated, liquid-stored boar spermatozoa using computerized instruments. <i>Theriogenology</i> , <b>2008</b> , 69, 1129-38	2.8	25
215	New aspects of boar semen freezing strategies. <i>Theriogenology</i> , <b>2008</b> , 70, 1225-33	2.8	55
214	Marked improvement of fertility of cryopreserved C57BL/6J mouse sperm by depletion of Ca <sup>2+</sup> in medium. <i>Journal of Reproduction and Development</i> , <b>2009</b> , 55, 386-92	2.1	7
213	Characteristics of Okinawan native agu pig spermatozoa after addition of low-density lipoprotein to freezing extender. <i>Journal of Reproduction and Development</i> , <b>2009</b> , 55, 558-65	2.1	8
212	Manganese provides antioxidant protection for sperm cryopreservation that may offer new consideration for clinical fertility. <b>2009</b> , 2, 152-9		34
211	Reactive oxygen species and boar sperm function. <b>2009</b> , 81, 553-61		133
210	Effect of antioxidants on microscopic semen parameters, lipid peroxidation and antioxidant activities in Angora goat semen following cryopreservation. <i>Small Ruminant Research</i> , <b>2009</b> , 81, 90-95	1.7	60
209	Impact of 24-h cooling prior to freezing on the survival of domestic cat ( <i>Felis catus</i> ) epididymal sperm. <i>Reproduction in Domestic Animals</i> , <b>2009</b> , 44 Suppl 2, 366-8	1.6	8
208	Ultrastructural study of the ability of seminal plasma proteins to protect ram spermatozoa against cold-shock. <b>2009</b> , 72, 566-72		26

207	Development of a new method to preserve caprine cauda epididymal spermatozoa in-situ at -10 degrees C with electrolyte free medium. <b>2009</b> , 26, 467-73		1
206	Refrigerated storage of red deer epididymal spermatozoa in the epididymis, diluted and with vitamin C supplementation. <i>Reproduction in Domestic Animals</i> , <b>2009</b> , 44, 212-20	1.6	26
205	Effects of hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ) on fresh and cryopreserved buffalo sperm functions during incubation at 37 degrees C in vitro. <i>Reproduction in Domestic Animals</i> , <b>2009</b> , 44, 907-12	1.6	26
204	Factors affecting the quality of cryopreserved buffalo ( <i>Bubalus bubalis</i> ) bull spermatozoa. <i>Reproduction in Domestic Animals</i> , <b>2009</b> , 44, 552-69	1.6	105
203	The influence of cysteine and taurine on microscopic-oxidative stress parameters and fertilizing ability of bull semen following cryopreservation. <i>Cryobiology</i> , <b>2009</b> , 58, 134-8	2.7	118
202	Effect of cholesterol or cholesteryl conjugates on the cryosurvival of bull sperm. <i>Cryobiology</i> , <b>2009</b> , 58, 210-4	2.7	35
201	Fertilization of C57BL/6 mouse sperm collected from cauda epididymides after preservation or transportation at 4 degrees C using laser-microdissected oocytes. <i>Cryobiology</i> , <b>2009</b> , 59, 59-62	2.7	21
200	<i>Rhodiola sacra</i> aqueous extract (RSAE) improves biochemical and sperm characteristics in cryopreserved boar semen. <i>Theriogenology</i> , <b>2009</b> , 71, 849-57	2.8	35
199	Improvement of liquid and frozen-thawed semen quality of Nili-Ravi buffalo bulls ( <i>Bubalus bubalis</i> ) through supplementation of fat. <i>Theriogenology</i> , <b>2009</b> , 71, 1220-5	2.8	28
198	Preservation of boar semen at 18 degrees C induces lipid peroxidation and apoptosis like changes in spermatozoa. <i>Animal Reproduction Science</i> , <b>2009</b> , 110, 162-71	2.1	76
197	Motility and acrosomal integrity comparisons between electro-ejaculated and epididymal ram sperm after exposure to a range of anisotonic solutions, cryoprotective agents and low temperatures. <i>Animal Reproduction Science</i> , <b>2009</b> , 110, 256-68	2.1	37
196	Effect of genistein supplementation of thawing medium on characteristics of frozen human spermatozoa. <b>2010</b> , 12, 431-41		54
195	Ameliorative effects of melatonin against hydrogen peroxide-induced oxidative stress on boar sperm characteristics and subsequent in vitro embryo development. <i>Reproduction in Domestic Animals</i> , <b>2010</b> , 45, 943-50	1.6	57
194	The spermatozoa of the dasyurid marsupial, <i>Sminthopsis crassicaudata</i> , are highly susceptible to cold shock. <i>Reproduction, Fertility and Development</i> , <b>2010</b> , 22, 580-5	1.8	3
193	Cryopreservation of feline epididymal spermatozoa from dead and alive animals and its use in assisted reproduction. <i>Zygote</i> , <b>2010</b> , 18, 1-8	1.6	32
192	Supplemental effect of varying L-cysteine concentrations on the quality of cryopreserved boar semen. <b>2010</b> , 12, 760-5		34
191	Assessment of bovine spermatozoa viability using different cooling protocols prior to cryopreservation. <b>2010</b> , 9, e88		11
190	The effect of raffinose and methionine on frozen/thawed Angora buck ( <i>Capra hircus ancyrensis</i> ) semen quality, lipid peroxidation and antioxidant enzyme activities. <i>Cryobiology</i> , <b>2010</b> , 61, 89-93	2.7	46

189	Effects of different extenders and centrifugation/washing on postthaw microscopic-oxidative stress parameters and fertilizing ability of Angora buck sperm. <i>Theriogenology</i> , <b>2010</b> , 73, 316-23	2.8	32
188	Effect of basic factors of extender composition on post-thawing quality of brown bear electroejaculated spermatozoa. <i>Theriogenology</i> , <b>2010</b> , 74, 643-51	2.8	33
187	Dietary omega-3 fatty acids (fish oils) have limited effects on boar semen stored at 17 °C or cryopreserved. <i>Theriogenology</i> , <b>2010</b> , 74, 1482-90	2.8	37
186	Delivering cholesterol or cholestanol to bull sperm membranes improves cryosurvival. <i>Animal Reproduction Science</i> , <b>2010</b> , 118, 148-54	2.1	42
185	Effects of adding taurine and trehalose to a tris-based egg yolk extender on buffalo ( <i>Bubalus bubalis</i> ) sperm quality following cryopreservation. <i>Animal Reproduction Science</i> , <b>2010</b> , 119, 183-90	2.1	82
184	Cholesterol-loaded cyclodextrin enhances osmotic tolerance and inhibits the acrosome reaction in rabbit spermatozoa. <i>Animal Reproduction Science</i> , <b>2010</b> , 120, 166-72	2.1	28
183	Effects of antioxidants on boar spermatozoa during sorting and storage. <i>Animal Reproduction Science</i> , <b>2010</b> , 122, 58-65	2.1	20
182	Changes in sperm membrane and ROS following cryopreservation of liquid boar semen stored at 15 °C. <i>Animal Reproduction Science</i> , <b>2011</b> , 124, 118-24	2.1	54
181	Cryopreservation of bull semen shipped overnight and its effect on post-thaw sperm motility, plasma membrane integrity, mitochondrial membrane potential and normal acrosomes. <i>Animal Reproduction Science</i> , <b>2011</b> , 126, 23-31	2.1	34
180	Reduced glutathione content in human sperm is decreased after cryopreservation: Effect of the addition of reduced glutathione to the freezing and thawing extenders. <i>Cryobiology</i> , <b>2011</b> , 62, 40-6	2.7	99
179	Effect of glutamine and sugars after bull spermatozoa cryopreservation. <i>Theriogenology</i> , <b>2011</b> , 75, 1459-68	2.8	32
178	The positive effects of seminal plasma during the freezing process on cryosurvival of sperm with poor freezability in the rhesus macaque ( <i>Macaca mulatta</i> ). <i>Journal of Reproduction and Development</i> , <b>2011</b> , 57, 737-43	2.1	5
177	Chilled storage of ram semen improves with the addition of egg yolk and glycerol to milk-based extenders. <i>Reproduction in Domestic Animals</i> , <b>2011</b> , 46, 503-7	1.6	7
176	Effects of reduced glutathione and catalase on the kinematics and membrane functionality of sperm during liquid storage of ram semen. <i>Small Ruminant Research</i> , <b>2011</b> , 100, 44-49	1.7	42
175	Stress and dietary factors modify boar sperm for processing. <i>Reproduction in Domestic Animals</i> , <b>2011</b> , 46 Suppl 2, 39-44	1.6	24
174	Quantification of kinetic changes in protein tyrosine phosphorylation and cytosolic Ca <sup>2+</sup> concentration in boar spermatozoa during cryopreservation. <i>Reproduction, Fertility and Development</i> , <b>2012</b> , 24, 531-42	1.8	17
173	Pretreatment of Asian elephant ( <i>Elephas maximus</i> ) spermatozoa with cholesterol-loaded cyclodextrins and glycerol addition at 4°C improves cryosurvival. <i>Reproduction, Fertility and Development</i> , <b>2012</b> , 24, 1134-42	1.8	16
172	Hypothermic oxygenated machine perfusion in porcine donation after circulatory determination of death liver transplant. <b>2012</b> , 94, 22-9		57



171	Effect of gamma-oryzanol-enriched rice bran oil on quality of cryopreserved boar semen. <b>2012</b> , 74, 1149-53	8	
170	Sperm Cryopreservation. <b>2012</b> , 493-507		
169	Effect of the addition of beta-mercaptoethanol to a thawing solution supplemented with caffeine on the function of frozen-thawed boar sperm and on the fertility of sows after artificial insemination. <i>Theriogenology</i> , <b>2012</b> , 77, 926-32	2.8	22
168	Sperm viability, motility and morphology in emus ( <i>Dromaius novaehollandiae</i> ) are independent of the ambient collection temperature but are influenced by storage temperature. <i>Theriogenology</i> , <b>2012</b> , 77, 1597-604	2.8	3
167	Flying-fox ( <i>Pteropus</i> spp.) sperm membrane fatty acid composition, its relationship to cold shock injury and implications for cryopreservation success. <i>Cryobiology</i> , <b>2012</b> , 65, 224-9	2.7	10
166	Autophagy and apoptosis have a role in the survival or death of stallion spermatozoa during conservation in refrigeration. <i>PLoS ONE</i> , <b>2012</b> , 7, e30688	3.7	62
165	Seminal Plasma Proteins as Potential Markers of Relative Fertility in Zebu Bulls ( <i>Bos taurus indicus</i> ). <b>2012</b> ,		2
164	Assessment of intracellular Ca <sup>2+</sup> , cAMP and 1,2-diacylglycerol in cryopreserved buffalo ( <i>Bubalus bubalis</i> ) spermatozoa on supplementation of taurine and trehalose in the extender. <i>Reproduction in Domestic Animals</i> , <b>2012</b> , 47, 584-90	1.6	18
163	Is sperm freezability related to the post-thaw lipid peroxidation and the formation of reactive oxygen species in boars?. <i>Reproduction in Domestic Animals</i> , <b>2013</b> , 48, 177-82	1.6	21
162	Supplementation of the thawing medium with reduced glutathione improves function of frozen-thawed goat spermatozoa. <b>2013</b> , 13, 24-33		22
161	Motility and fertility of boar semen after liquid preservation at 5°C for more than 2 weeks. <i>Animal Science Journal</i> , <b>2013</b> , 84, 600-6	1.8	9
160	What should it take to describe a substance or product as sperm-safe? <b>2013</b> , 19 Suppl 1, i1-45		44
159	A strategy for improvement of postthaw quality of bison sperm. <i>Theriogenology</i> , <b>2013</b> , 79, 108-15	2.8	11
158	Handling of boar spermatozoa during and after flow cytometric sex-sorting process to improve their in vitro fertilizing ability. <i>Theriogenology</i> , <b>2013</b> , 80, 350-6	2.8	11
157	Gene Banking: The Freezing Strategy. <b>2013</b> , 551-588		2
156	The Boar Spermatozoon. <b>2013</b> , 3-47		1
155	Spermatozoa and seminal plasma fatty acids as predictors of cryopreservation success. <b>2013</b> , 1, 365-75		62
154	The Quality of Stallion Semen in Skim Milk and Dimitropoulos Extenders Preserved at 5 oC and Ambient Temperature Supplemented with Different Sugar. <b>2013</b> , 36, 45-51		2



153	The specific response to capacitating stimuli is a sensitive indicator of chilling injury in hypothermally stored boar spermatozoa. <b>2013</b> , 1, 376-86		25
152	L-carnitine Supplemented Extender Improves Cryopreserved-thawed Cat Epididymal Sperm Motility. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2014</b> , 27, 791-6	2.4	19
151	Membrane lipid phase transition behavior of oocytes from three gorgonian corals in relation to chilling injury. <i>PLoS ONE</i> , <b>2014</b> , 9, e92812	3.7	14
150	Role of Membrane Lipid Fatty Acids in Sperm Cryopreservation. <b>2014</b> , 2014, 1-9		29
149	EFFECT OF MALTOSE CONCENTRATION IN TRIS DILUTION ON EPIDIDYMAL SPERMATOZOA QUALITY OF BALI BULL PRESERVED AT 50C. <b>2014</b> , 34,		1
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147	Effects of metabolic rate and sperm competition on the fatty-acid composition of mammalian sperm. <b>2014</b> , 27, 55-62		22
146	Is Resveratrol Effective in Protecting Stallion Cooled Semen?. <i>Journal of Equine Veterinary Science</i> , <b>2014</b> , 34, 1307-1312	1.2	10
145	Comparison of the Effects of Four Freezing Methods on Motility Characteristics, Morphology, and Viability of Postthaw Stallion Epididymal Sperm. <i>Journal of Equine Veterinary Science</i> , <b>2014</b> , 34, 882-888	1.2	6
144	During cooled storage the extender influences processed autophagy marker light chain 3 (LC3B) of stallion spermatozoa. <i>Animal Reproduction Science</i> , <b>2014</b> , 145, 40-6	2.1	15
143	Effects of alginate on frozen-thawed boar spermatozoa quality, lipid peroxidation and antioxidant enzymes activities. <i>Animal Reproduction Science</i> , <b>2014</b> , 147, 112-8	2.1	23
142	Sperm cryopreservation: effects on chromatin structure. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 791, 137-50	3.6	28
141	Immunolocalization of the cholesterol transporters ABCA1 and ABCG1 in canine reproductive tract tissues and spermatozoa. <i>Reproduction in Domestic Animals</i> , <b>2014</b> , 49, 441-7	1.6	14
140	Arachidic acid in extender improves post-thaw parameters of cryopreserved Nili-Ravi buffalo bull semen. <i>Reproduction in Domestic Animals</i> , <b>2014</b> , 49, 122-5	1.6	11
139	Saturated, omega-6 and omega-3 dietary fatty acid effects on the characteristics of fresh, frozen-thawed semen and blood parameters in rams. <b>2014</b> , 46, 42-9		37
138	The effect of dietary n-3 polyunsaturated fatty acids supplementation of rams on semen quality and subsequent quality of liquid stored semen. <i>Theriogenology</i> , <b>2014</b> , 81, 210-9	2.8	33
137	Quality of chilled and cold-stored (5 °C) canine spermatozoa submitted to different rapid cooling rates. <i>Theriogenology</i> , <b>2014</b> , 82, 621-6	2.8	4
136	Dose-dependent effects of homologous seminal plasma on motility and kinematic characteristics of post-thaw stallion epididymal spermatozoa. <b>2015</b> , 3, 536-43		13

135	Breed of boar influences the optimal concentration of gamma-oryzanol needed for semen cryopreservation. <i>Reproduction in Domestic Animals</i> , <b>2015</b> , 50, 221-226	1.6	6
134	A novel approach to identifying physical markers of cryo-damage in bull spermatozoa. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126232	3.7	29
133	Absence of beneficial effects on rabbit sperm cell cryopreservation by several antioxidant agents. <i>Zygote</i> , <b>2015</b> , 23, 1-10	1.6	11
132	Differences in the fatty-acid composition of rodent spermatozoa are associated to levels of sperm competition. <b>2015</b> , 4, 466-73		13
131	Effect of semen extender supplementation with cysteine on postthaw sperm quality, DNA damage, and fertilizing ability in the common carp ( <i>Cyprinus carpio</i> ). <i>Theriogenology</i> , <b>2015</b> , 83, 1548-52	2.8	27
130	Effects of bovine serum albumin on boar sperm quality during liquid storage at 17°C. <i>Reproduction in Domestic Animals</i> , <b>2015</b> , 50, 263-269	1.6	25
129	Effect of <i>Salvia miltiorrhiza</i> polysaccharides on boar spermatozoa during freezing-thawing. <i>Animal Reproduction Science</i> , <b>2015</b> , 159, 25-30	2.1	8
128	Extracorporeal Perfusion for Resuscitation of Marginal Grafts. <b>2015</b> , 1452-1462		1
127	Effect of cooling rate and equilibration time on pre-freeze and post-thaw survival of buck sperm. <i>Cryobiology</i> , <b>2015</b> , 70, 233-8	2.7	9
126	Cryopreservation of fluorescence activated cell sorted boar spermatozoa based on extracellular ubiquitination. <i>Czech Journal of Animal Science</i> , <b>2016</b> , 61, 310-316	1.1	2
125	Identification of ultrastructural and functional damages in sperm from six-banded armadillos ( <i>Euphractus sexcinctus</i> ) due to cryopreservation. <i>Pesquisa Veterinaria Brasileira</i> , <b>2016</b> , 36, 767-774	0.4	5
124	Effects of glutathione on sperm quality during liquid storage in boars. <i>Animal Science Journal</i> , <b>2016</b> , 87, 1195-1201	1.8	11
123	Quercetin Ameliorate Motility in Frozen-Thawed Turkmen Stallions Sperm. <i>Journal of Equine Veterinary Science</i> , <b>2016</b> , 45, 73-77	1.2	29
122	Quality of fresh and chilled-stored raccoon dog semen and its impact on artificial insemination efficiency. <i>BMC Veterinary Research</i> , <b>2016</b> , 12, 224	2.7	4
121	Sperm cryodamage occurs after rapid freezing phase: flow cytometry approach and antioxidant enzymes activity at different stages of cryopreservation. <b>2016</b> , 7, 17		26
120	Cryopreservation of captive roe deer ( <i>Capreolus capreolus</i> ) semen. <i>Theriogenology</i> , <b>2016</b> , 86, 695-703	2.8	5
119	Effect of omega-3 and omega-6 polyunsaturated fatty acid enriched diet on plasma IGF-1 and testosterone concentration, puberty and semen quality in male buffalo. <i>Animal Reproduction Science</i> , <b>2016</b> , 173, 63-72	2.1	19
118	Effect of alpha-lipoic acid on boar spermatozoa quality during freezing-thawing. <i>Zygote</i> , <b>2016</b> , 24, 259-65.6		15

117	Freezability of buffalo semen with TRIS extender enriched with disaccharides (trehalose or sucrose) and different glycerol concentrations. <b>2016</b> , 5, 416-418		
116	Effects of low-density lipoproteins as additive on quality parameters and oxidative stress following cryopreservation of mithun ( <i>Bos frontalis</i> ) spermatozoa. <i>Reproduction in Domestic Animals</i> , <b>2016</b> , 51, 708-16	1.6	7
115	Protective effects of <i>Opuntia ficus-indica</i> extract on ram sperm quality, lipid peroxidation and DNA fragmentation during liquid storage. <i>Animal Reproduction Science</i> , <b>2016</b> , 175, 1-9	2.1	11
114	Induced lipid peroxidation in ram sperm: semen profile, DNA fragmentation and antioxidant status. <b>2016</b> , 151, 379-90		34
113	Effects of the Tris, Tes, or skim milk based extender on in vitro parameters of ram spermatozoa during liquid storage. <i>Small Ruminant Research</i> , <b>2016</b> , 134, 14-21	1.7	6
112	Cholesterol-Loaded Cyclodextrin Increases the Cholesterol Content of Goat Sperm to Improve Cold and Osmotic Resistance and Maintain Sperm Function after Cryopreservation. <b>2016</b> , 94, 85		17
111	Epigallocatechin-3-gallate (EGCG) and green tea polyphenols do not improve stallion semen parameters during cooling at 4°C. <i>Reproduction in Domestic Animals</i> , <b>2017</b> , 52, 270-277	1.6	7
110	Effects of supplemental conjugated linoleic acids (CLA) on fresh and post-thaw sperm quality of Holstein bulls. <i>Reproduction in Domestic Animals</i> , <b>2017</b> , 52, 459-467	1.6	1
109	Cholesterol-loaded cyclodextrin improves ram sperm cryoresistance in skim milk-extender. <i>Animal Reproduction Science</i> , <b>2017</b> , 177, 1-11	2.1	6
108	Artificial insemination with frozen-thawed boar sperm. <b>2017</b> , 84, 802-813		54
107	Fertility of cold-stored mouse sperm is recovered by promoting acrosome reaction and hyperactivation after cholesterol efflux by methyl-beta-cyclodextrin. <b>2017</b> , 96, 446-455		9
106	Dietary inclusion of fish oil changes the semen lipid composition but does not improve the post-thaw semen quality of ram spermatozoa. <i>Animal Reproduction Science</i> , <b>2017</b> , 183, 132-142	2.1	7
105	Liver perfusion devices: how close are we to widespread application?. <b>2017</b> , 22, 105-111		10
104	Use of antioxidants reduce lipid peroxidation and improve quality of crossbred ram sperm during its cryopreservation. <i>Cryobiology</i> , <b>2017</b> , 74, 25-30	2.7	39
103	Evaluating Resistance of Spermatozoa to Adverse Conditions. <b>2017</b> , 145-151		
102	Osmotic tolerance of feline epididymal spermatozoa. <i>Animal Reproduction Science</i> , <b>2017</b> , 185, 148-153	2.1	6
101	Bovine serum albumin and skim-milk improve boar sperm motility by enhancing energy metabolism and protein modifications during liquid storage at 17°C. <i>Theriogenology</i> , <b>2017</b> , 102, 87-97	2.8	17
100	The Phospholipid Composition of Kangaroo Spermatozoa Verified by Mass Spectrometric Lipid Analysis. <b>2017</b> , 52, 857-869		8

99	A chemical compound based on methylxanthine-polyphenols lowers nitric oxide levels and increases post-thaw human sperm viability. <i>Zygote</i> , <b>2017</b> , 25, 719-730	1.6	3
98	Use of computer-assisted sperm analysis and flow cytometry to detect seasonal variations of bovine semen quality. <i>Theriogenology</i> , <b>2017</b> , 87, 79-90	2.8	28
97	Evaluation of quail and turkey egg yolk for cryopreservation of Nili-Ravi buffalo bull semen. <i>Theriogenology</i> , <b>2017</b> , 87, 259-265	2.8	12
96	Semen supplementation with palmitoleic acid promotes kinematics, microscopic and antioxidative parameters of ram spermatozoa during liquid storage. <i>Reproduction in Domestic Animals</i> , <b>2017</b> , 52, 49-59 <sup>1.6</sup>	1.6	9
95	Cryopreservation of Indian Red Jungle Fowl (Gallus Gallus Murghi) Spermatozoa: A First Approach. <b>2017</b> , 10, 6-11		8
94	Effect of long-term storage in Safe Cell+ extender on boar sperm DNA integrity and other key sperm parameters. <i>Acta Veterinaria Scandinavica</i> , <b>2017</b> , 59, 58	2	9
93	Polyunsaturated Fatty Acids in Male Ruminant Reproduction - A Review. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2017</b> , 30, 622-637	2.4	44
92	Effect of astaxanthin on the quality of boar sperm stored at 17°C, incubated at 37°C or under in vitro conditions. <i>Reproduction in Domestic Animals</i> , <b>2018</b> , 53, 463-471	1.6	12
91	Effect of two cooling protocols on the post-thaw characteristics of Iberian ibex sperms. <i>Cryobiology</i> , <b>2018</b> , 80, 12-17	2.7	6
90	Partial deoxygenation of extender improves sperm quality, reduces lipid peroxidation and reactive oxygen species during cryopreservation of buffalo (Bubalus bubalis) semen. <i>Animal Reproduction Science</i> , <b>2018</b> , 189, 60-68	2.1	21
89	Supplementation of ram semen extender to improve seminal quality and fertility rate. <i>Animal Reproduction Science</i> , <b>2018</b> , 192, 6-17	2.1	32
88	Improved quality of frozen boer goat semen with the addition of sweet orange essential oil on tris yolk and gentamicin extender. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 122, 012125 <sup>0.3</sup>	0.3	1
87	Possible mechanisms of cholesterol-loaded cyclodextrin action on sperm during cryopreservation. <i>Animal Reproduction Science</i> , <b>2018</b> , 192, 1-5	2.1	14
86	A mechanism by which Astragalus polysaccharide protects against ROS toxicity through inhibiting the protein dephosphorylation of boar sperm preserved at 4 °C. <b>2018</b> , 233, 5267-5280		20
85	Does MnTBAP ameliorate DNA fragmentation and in vivo fertility of frozen-thawed Arabian stallion sperm?. <i>Theriogenology</i> , <b>2018</b> , 108, 16-21	2.8	13
84	Liquid storage of ram semen for 96 h: Effects on kinematic parameters, membranes and DNA integrity, and ROS production. <b>2018</b> , 207, 1-6		11
83	Combined Single-Straw Packaging of Cryopreserved Stallion Epididymal Sperm and Separated Homologous Seminal Plasma. <i>Journal of Equine Veterinary Science</i> , <b>2018</b> , 71, 57-63	1.2	1
82	Cryoprotectant effects of egg yolk on Indian red jungle fowl (Gallus gallus murghi) sperm. <i>Theriogenology</i> , <b>2018</b> , 119, 150-155	2.8	7

81	Intracellular calcium chelating agent (BAPTA-AM) aids stallion semen cooling and freezing-thawing. <i>Reproduction in Domestic Animals</i> , <b>2018</b> , 53, 1235-1242	1.6	7
80	Egg yolk enriched with polyunsaturated fatty acids (PUFAs) improves the shelf life of ram semen in liquid storage. <i>Small Ruminant Research</i> , <b>2018</b> , 166, 87-92	1.7	4
79	Beneficial and harmful effects of cyclodextrin-vitamin E complex on cryopreserved ram sperm. <i>Animal Reproduction Science</i> , <b>2018</b> , 195, 266-273	2.1	11
78	Cryopreservation of Sperm: Effects on Chromatin and Strategies to Prevent Them. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1166, 149-167	3.6	17
77	Effect of nicotinic acid on the plasma membrane function and polyunsaturated fatty acids composition during cryopreservation in boar sperm. <i>Reproduction in Domestic Animals</i> , <b>2019</b> , 54, 1251-1257	1.6	6
76	Improving the quality of cryopreserved goat semen with a commercial bull extender supplemented with resveratrol. <i>Animal Reproduction Science</i> , <b>2019</b> , 208, 106127	2.1	18
75	Effects of Different Freezing Protocols on Motility, Viability, Mitochondrial Membrane Potential, Intracellular Calcium Level, and DNA Integrity of Cryopreserved Equine Epididymal Sperm. <i>Journal of Equine Veterinary Science</i> , <b>2019</b> , 82, 102801	1.2	2
74	Recent advances in bovine sperm cryopreservation techniques with a focus on sperm post-thaw quality optimization. <i>Reproduction in Domestic Animals</i> , <b>2019</b> , 54, 655-665	1.6	24
73	Surface sperm cell ubiquitination directly impaired blastocyst formation rate after intracytoplasmic sperm injection in pig. <i>Theriogenology</i> , <b>2019</b> , 135, 115-120	2.8	5
72	Recombinant peptide reverses cryo-capacitation in ram sperm and improves in vitro fertilization. <i>Animal Reproduction Science</i> , <b>2019</b> , 207, 61-72	2.1	6
71	Effectiveness of ultra-rapid cryopreservation of sperm from endangered species, examined by morphometric means. <i>Theriogenology</i> , <b>2019</b> , 129, 160-167	2.8	19
70	Optimization of donkey sperm vitrification: Effect of sucrose, sperm concentration, volume and package (0.25 and 0.5 mL straws). <i>Animal Reproduction Science</i> , <b>2019</b> , 204, 31-38	2.1	10
69	Effect of dietary grape marc on fresh and refrigerated boar semen. <i>Animal Reproduction Science</i> , <b>2019</b> , 205, 18-26	2.1	3
68	Cholesterol-loaded cyclodextrin plus trehalose improves quality of frozen-thawed ram sperm. <i>Veterinarni Medicina</i> , <b>2019</b> , 64, 118-124	0.7	5
67	The recovery rate of Simental spermatozoa frozen of post thawing by using tris dilution with different egg yolks. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 391, 012008	0.3	
66	C Fullerenes Suppress Reactive Oxygen Species Toxicity Damage in Boar Sperm. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 104	19.5	10
65	Effect of carboxylated poly L-Lysine as a cryoprotectant on post-thaw quality and in vivo fertility of Nili Ravi buffalo ( <i>Bubalus bubalis</i> ) bull semen. <i>Theriogenology</i> , <b>2020</b> , 144, 8-15	2.8	14
64	Influence of cryopreservation on structure and function of mammalian spermatozoa: an overview. <i>Cell and Tissue Banking</i> , <b>2020</b> , 21, 1-15	2.2	29

63	Exploring the role of E.coli derived enzyme, Oxyrase, as an oxygen scavenger to improve the cryotolerance of spermatozoa of Sahiwal bull. <i>Cryobiology</i> , <b>2020</b> , 97, 85-92	2.7	1
62	Evaluation of cryopreserved boar semen after supplementation sericin form silkworm ( <i>Bombyx mori</i> ) in semen extender. <i>Animal Science Journal</i> , <b>2020</b> , 91, e13428	1.8	2
61	Butaphosphan and Cyanocobalamin Supplementation in Semen Extender on Chilled Boar Sperm Quality and Life Span. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 592162	3.1	
60	The effect of pineapple [ <i>Ananas comosus</i> (L.) Merr.] juice in extender on Garut ram ( <i>Ovis aries</i> L.) spermatozoa quality postcryopreservation. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 481, 012040	0.3	
59	Resveratrol protects boar sperm via its antioxidant capacity. <i>Zygote</i> , <b>2020</b> , 1-8	1.6	9
58	Evaluation of used Purslane extracts in Tris extenders on cryopreserved goat sperm. <i>Cryobiology</i> , <b>2020</b> , 94, 40-48	2.7	4
57	Determination of a cooling-rate frame for antibiotic-free preservation of boar semen at 5°C. <i>PLoS ONE</i> , <b>2020</b> , 15, e0234339	3.7	5
56	Exogenous cholesterol prevents cryocapacitation-like changes, membrane fluidity, and enhances in vitro fertility in bubaline spermatozoa. <i>Reproduction in Domestic Animals</i> , <b>2020</b> , 55, 726-736	1.6	6
55	The relationship between acrosome reaction and polyunsaturated fatty acid composition in boar sperm. <i>Reproduction in Domestic Animals</i> , <b>2020</b> , 55, 624-631	1.6	7
54	Freezing Titanium Carbide Aqueous Dispersions for Ultra-long-term Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 34032-34040	9.5	55
53	Influence of testosterone administration at the end of the breeding season on sperm cryoresistance in rams ( <i>Ovis aries</i> ) and bucks ( <i>Capra hircus</i> ). <i>Domestic Animal Endocrinology</i> , <b>2020</b> , 72, 106425	2.3	5
52	Comparison of different carrier-compounds and varying concentrations of oleic acid on freezing tolerance of ram spermatozoa in tris-citric acid-egg yolk plasma semen diluent. <i>Animal Reproduction Science</i> , <b>2020</b> , 219, 106533	2.1	6
51	Viability longevity and quality of epididymal sperm stored in the liquid state of European red deer ( <i>Cervus elaphus elaphus</i> ). <i>Animal Reproduction Science</i> , <b>2020</b> , 213, 106269	2.1	2
50	Effect of astaxanthin in extenders on sperm quality and functional variables of frozen-thawed boar semen. <i>Animal Reproduction Science</i> , <b>2020</b> , 218, 106478	2.1	4
49	l-cysteine prolonged fresh boar semen qualities, but not for docosahexaenoic acid. <i>Czech Journal of Animal Science</i> , <b>2021</b> , 66, 21-28	1.1	
48	Supplementation of exogenous lipids via liposomes improves coral larvae settlement post-cryopreservation and nano-laser warming. <i>Cryobiology</i> , <b>2021</b> , 98, 80-86	2.7	4
47	Freeze-thawing impairs the motility, plasma membrane integrity and mitochondria function of boar spermatozoa through generating excessive ROS. <i>BMC Veterinary Research</i> , <b>2021</b> , 17, 127	2.7	5
46	The Preservation Epididymis Spermatozoa of Buffalo into Talp Diluent with Addition of Serum Level. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 709, 012028	0.3	



45 Cryopreservation of Semen. **2021**, 986-999

44 Improvement of the in vitro fertilization and embryo development using frozen-thawed spermatozoa of microminipigs. *Archives Animal Breeding*, **2021**, 64, 265-271 1.6 1

43 Cooled storage of semen from livestock animals (part I): boar, bull, and stallion. *Animal Reproduction Science*, **2021**, 106822 2.1 1

42 Lipid profiling in chilled coral larvae. *Cryobiology*, **2021**, 102, 56-67 2.7 1

41 Cooled storage of semen from livestock animals (Part II): Camelids, goats, and sheep. *Animal Reproduction Science*, **2021**, 234, 106855 2.1 0

40 Liquid Storage of Ram Semen: Associated Damages and Improvement. *Open Journal of Animal Sciences*, **2021**, 11, 473-500 0.5 2

39 Plasma and acrosomal membrane lipid content of saltwater crocodile spermatozoa. *Reproduction, Fertility and Development*, **2021**, 1.8 0

38 Cryopreservation of Mammalian Embryos, Gametes, and Ovarian Tissues. **2001**, 173-187 10

37 Cholesterol and desmosterol incorporation into ram sperm membrane before cryopreservation: Effects on membrane biophysical properties and sperm quality. *Biochimica Et Biophysica Acta - Biomembranes*, **2020**, 1862, 183357 3.8 3

36 Sperm viability in ram semen diluted and stored in three different extenders. *Acta Veterinaria Scandinavica*, **1999**, 40, 1-9 2 16

35 Effects of rapid cooling prior to freezing on the quality of canine cryopreserved spermatozoa. *Journal of Reproduction and Development*, **2014**, 60, 355-61 2.1 7

34 Storage of Bull and Boar Semen : Novel Concepts Derived Using Magnetized Water and Antioxidants. *Reproductive & Developmental Biology*, **2014**, 38, 1-7 2

33 [Morphological characteristics and cryodamage of Chinese tree shrew (*Tupaia belangeri chinensis*) sperm]. *Zoological Research*, **2012**, 33, 29-36 2

32 Effects of Dietary Supplementation of Whole Garlic Powder on Semen Characteristics and Blood Antioxidant Level in Boars. *Journal of Animal Science and Technology*, **2010**, 52, 407-412 1.6 2

31 Effect of rosemary (*Rosmarinus officinalis*) extracts and glutathione antioxidants on bull semen quality after cryopreservation. *Spanish Journal of Agricultural Research*, **2014**, 12, 98 1.1 18

30 Low-density Lipoprotein Improves Motility and Plasma Membrane Integrity of Cryopreserved Canine Epididymal Spermatozoa. *Asian-Australasian Journal of Animal Sciences*, **2016**, 29, 646-51 2.4 4

29 Antioxidative Effect of Pyruvate, Taurine and Melatonin, and Relationships of the Evaluation Methods on Boar Sperm Viability for In Vitro Storage. *Journal of Animal Science and Technology*, **2007**, 49, 729-736 1.6 1

28 Improvement of Time-Dependent Decrease of Sperm Motility Following Freezing and Thawing with the Addition of N-Acetyl L-Cysteine. *Nihon Yoton Gakkaishi*, **2013**, 50, 157-163 0.1



27 Sperm Cryopreservation. **2013**, 441-466

26 A Novel Collection Technique for the Improvement of Semen Quality. *Journal of Dairy Veterinary & Animal Research*, **2014**, 1, 1

25 Effect of warmed semen extender on boar sperm quality post-collection. *Transactions of the Missouri Academy of Science*, **2019**, 47, 13-17 0.2

24 Effect of Alpha-Linolenic Acid with Bovine Serum Albumin or Methyl-Beta-Cyclodextrin on Membrane Integrity and Oxidative Stress of Frozen-Thawed Boar Sperm. *Development & Reproduction*, **2019**, 23, 11-19 1.1 1

23 Effect of refrigeration at -1°C on spermatozoa quality of domestic cats. *Pesquisa Veterinaria Brasileira*, **2020**, 40, 306-314 0.4

22 Improvement of in vitro fertilization by a tannin rich vegetal extract addition to frozen thawed boar sperm. *Animal Reproduction*, **2020**, 17, 1.7 2

21 Conjugated linoleic acid as a potential bioactive molecule to modulates gamete and embryo cryotolerance. *Ciencia Animal Brasileira*, 21, 0.8 0

20 Trehalose addition to a Tris-fructose egg yolk extender on quality of ram sperm preserved at 0 °C. *Revista Brasileira De Zootecnia*, **2020**, 49, 1.2

19 Effect of chilling on the motility and acrosomal integrity of rat sperm in the presence of various extenders. *Journal of the American Association for Laboratory Animal Science*, **2009**, 48, 499-505 1.3 10

18 Quality of bovine chilled or frozen-thawed semen after addition of omega-3 Fatty acids supplementation to extender. *International Journal of Fertility & Sterility*, **2013**, 7, 161-8 1.9 2

17 The effects of addition of omega-3, 6, 9 fatty acids on the quality of bovine chilled and frozen-thawed sperm. *Open Veterinary Journal*, **2013**, 3, 47-52 1 8

16 Fluorescent multiple staining and CASA system to assess boar sperm viability and membranes integrity in short and long-term extenders. *Open Veterinary Journal*, **2013**, 3, 21-35 1 9

15 Effects of vitamin B12 supplementation on the quality of Ovine spermatozoa. *Open Veterinary Journal*, **2013**, 3, 140-4 1 8

14 Impacts of thermal stress on ovine epididymal spermatozoa and the protective effect of β-mercaptoethanol as an antioxidant. *Veterinary Research Forum*, **2020**, 11, 43-51 0.5

13 Improvement of fertilization by a tannin rich vegetal extract addition to frozen thawed boar sperm. *Animal Reproduction*, **2020**, 17, e20190130 1.7 2

12 Factors Affecting the Survival of Ram Spermatozoa during Liquid Storage and Options for Improvement.. *Animals*, **2022**, 12, 3.1 2

11 Effect of glycerol addition time on the cryopreserved Korean native brindle cattle (Chikso) sperm quality.. *Animal Reproduction*, **2022**, 19, e20210058 1.7

10 Cryopreservation of Giraffe Epidydimal Spermatozoa Using Different Extenders and Cryoprotectants.. *Animals*, **2022**, 12, 3.1 0

9	Advances in Cryopreservation of Buffalo Semen. <b>2022</b> , 333-376		
8	Vitamin B7 protects DNA damage and stabilizes mitochondrial transmembrane potential from cryoinjury. <i>Small Ruminant Research</i> , <b>2022</b> , 212, 106719	1.7	○
7	Sperm freezability is neither associated with the expression of aquaporin 3 nor sperm head dimensions in dromedary camel ( <i>Camelus dromedarius</i> ). <i>Theriogenology</i> , <b>2022</b> , 189, 230-236	2.8	○
6	Temperature limits for storage of extended boar semen from the perspective of the sperm energy status. 9,		
5	Extend the Survival of Human Sperm In Vitro in Non-Freezing Conditions: Damage Mechanisms, Preservation Technologies, and Clinical Applications. <b>2022</b> , 11, 2845		○
4	Oxidative stress and the long term storage of horse spermatozoa. <b>2022</b> ,		○
3	Study on comparative analysis of differential metabolites in Guanzhong dairy goat semen before and after freezing. <b>2023</b> , 197, 232-239		○
2	Effect of zinc on boar sperm liquid storage. 10,		○
1	Growth Dynamic and Threshold Values for Spermicidal Effects of Multidrug-Resistant Bacteria in Extended Boar Semen. <b>2023</b> , 11, 788		○