

Sergi Bonet Marull

List of Publications by Citations

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144
papers

2,573
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39
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156
ext. papers

3,066
ext. citations

2.8
avg, IF

5.02
L-index

#	Paper	IF	Citations
144	Freezability prediction of boar ejaculates assessed by functional sperm parameters and sperm proteins. <i>Theriogenology</i> , 2009 , 72, 930-48	0.8	75
143	Acrosin-binding protein (ACRBP) and triosephosphate isomerase (TPI) are good markers to predict boar sperm freezing capacity. <i>Theriogenology</i> , 2013 , 80, 443-50	0.8	58
142	Good and bad freezability boar ejaculates differ in the integrity of nucleoprotein structure after freeze-thawing but not in ROS levels. <i>Theriogenology</i> , 2013 , 79, 929-39	0.8	58
141	Artificial insemination with frozen-thawed boar sperm. <i>Molecular Reproduction and Development</i> , 2017 , 84, 802-813	0.8	54
140	Comparative analysis of boar seminal plasma proteome from different freezability ejaculates and identification of Fibronectin 1 as sperm freezability marker. <i>Andrology</i> , 2015 , 3, 345-56	1.4	52
139	Supplementing cryopreservation media with reduced glutathione increases fertility and prolificacy of sows inseminated with frozen-thawed boar semen. <i>Andrology</i> , 2014 , 2, 88-99	1.4	51
138	Reduced glutathione and procaine hydrochloride protect the nucleoprotein structure of boar spermatozoa during freeze-thawing by stabilising disulfide bonds. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 1036-50	0.3	48
137	Effects of different concentrations of enterotoxigenic and verotoxigenic E. coli on boar sperm quality. <i>Animal Reproduction Science</i> , 2011 , 127, 176-82	0.6	46
136	The increase in phosphorylation levels of serine residues of protein HSP70 during holding time at 17°C is concomitant with a higher cryotolerance of boar spermatozoa. <i>PLoS ONE</i> , 2014 , 9, e90887	1.2	45
135	Semen quality of postpubertal boars during increasing and decreasing natural photoperiods. <i>Theriogenology</i> , 2004 , 62, 1271-82	0.8	45
134	Aquaporins in the male reproductive tract and sperm: Functional implications and cryobiology. <i>Reproduction in Domestic Animals</i> , 2017 , 52 Suppl 4, 12-27	0.5	44
133	The HSP90AA1 sperm content and the prediction of the boar ejaculate freezability. <i>Theriogenology</i> , 2010 , 74, 940-50	0.8	42
132	A diet supplemented with L-carnitine improves the sperm quality of PiErain but not of Duroc and Large White boars when photoperiod and temperature increase. <i>Theriogenology</i> , 2010 , 73, 577-86	0.8	41
131	Effects of cryopreservation on semen quality and the expression of sperm membrane hexose transporters in the spermatozoa of Iberian pigs. <i>Reproduction</i> , 2007 , 134, 111-21	1.1	41
130	Development of a protocol for multiple staining with fluorochromes to assess the functional status of boar spermatozoa. <i>Microscopy Research and Technique</i> , 2005 , 68, 277-83	1	41
129	The improving effect of reduced glutathione on boar sperm cryotolerance is related with the intrinsic ejaculate freezability. <i>Cryobiology</i> , 2014 , 68, 251-61	0.7	39
128	Effects of <i>Enterobacter cloacae</i> on boar sperm quality during liquid storage at 17°C. <i>Animal Reproduction Science</i> , 2014 , 148, 72-82	0.6	38

127	The effects on boar sperm quality of dietary supplementation with omega-3 polyunsaturated fatty acids differ among porcine breeds. <i>Theriogenology</i> , 2011 , 76, 184-96	0.8	38
126	Relationship of sperm small heat-shock protein 10 and voltage-dependent anion channel 2 with semen freezability in boars. <i>Theriogenology</i> , 2014 , 82, 418-26	0.8	34
125	Freeze-thawing induces alterations in the protamine-1/DNA overall structure in boar sperm. <i>Theriogenology</i> , 2008 , 69, 1083-94	0.8	34
124	Testicular structure and semicyclic spermatogenesis in a specialized ovuliparous species: <i>Scorpaena notata</i> (Pisces, Scorpaenidae). <i>Acta Zoologica</i> , 2002 , 83, 213-219	0.3	34
123	Annual reproductive cycle of <i>Helicolenus dactylopterus dactylopterus</i> (Teleostei: Scorpaeniformes) with special reference to the ovaries sperm storage. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1999 , 79, 521-529	0.3	34
122	Supplementing culture and vitrification-warming media with L-ascorbic acid enhances survival rates and redox status of IVP porcine blastocysts via induction of GPX1 and SOD1 expression. <i>Cryobiology</i> , 2014 , 68, 451-8	0.7	32
121	Effects of a high semen-collection frequency on the quality of sperm from ejaculates and from six epididymal regions in boars. <i>Theriogenology</i> , 2005 , 63, 2219-32	0.8	31
120	Fertility after post-cervical artificial insemination with cryopreserved sperm from boar ejaculates of good and poor freezability. <i>Animal Reproduction Science</i> , 2010 , 118, 69-76	0.6	29
119	Direct contact between boar spermatozoa and porcine oviductal epithelial cell (OEC) cultures is needed for optimal sperm survival in vitro. <i>Animal Reproduction Science</i> , 2009 , 113, 263-78	0.6	29
118	Sperm malformations throughout the boar epididymal duct. <i>Animal Reproduction Science</i> , 1996 , 43, 221-239		29
117	Characterization of the glycoconjugates of boar testis and epididymis. <i>Reproduction</i> , 2000 , 325-335	1.1	29
116	Relationship of aquaporins 3 (AQP3), 7 (AQP7), and 11 (AQP11) with boar sperm resilience to withstand freeze-thawing procedures. <i>Andrology</i> , 2017 , 5, 1153-1164	1.4	28
115	Hyaluronic acid delays boar sperm capacitation after 3 days of storage at 15 degrees C. <i>Animal Reproduction Science</i> , 2008 , 109, 236-50	0.6	28
114	Comparative effects of adding β-mercaptoethanol or L-ascorbic acid to culture or vitrification-warming media on IVF porcine embryos. <i>Reproduction, Fertility and Development</i> , 2014 , 26, 875-82	0.3	27
113	Unilateral spontaneous abdominal cryptorchidism: structural and ultrastructural study of sperm morphology. <i>Animal Reproduction Science</i> , 1998 , 49, 247-68	0.6	27
112	Current knowledge on boar sperm metabolism: Comparison with other mammalian species. <i>Theriogenology</i> , 2016 , 85, 4-11	0.8	26
111	Boar spermatozoa and prostaglandin F2α. Quality of boar sperm after the addition of prostaglandin F2α to the short-term extender over cooling time. <i>Animal Reproduction Science</i> , 2008 , 108, 180-95	0.6	26
110	Ultrastructural study of the boar seminiferous epithelium: changes in cryptorchidism. <i>Journal of Morphology</i> , 2000 , 244, 190-202	0.4	26

109	Specific LED-based red light photo-stimulation procedures improve overall sperm function and reproductive performance of boar ejaculates. <i>Scientific Reports</i> , 2016 , 6, 22569	1.5	26
108	Study of the proacrosin-acrosin system in epididymal, ejaculated and in vitro capacitated boar spermatozoa. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 837-45	0.3	25
107	Hexose-specificity of hexokinase and ADP-dependence of pyruvate kinase play important roles in the control of monosaccharide utilization in freshly diluted boar spermatozoa. <i>Molecular Reproduction and Development</i> , 2006 , 73, 1179-94	0.8	25
106	A comparative study of the effects of <i>Escherichia coli</i> and <i>Clostridium perfringens</i> upon boar semen preserved in liquid storage. <i>Animal Reproduction Science</i> , 2017 , 177, 65-78	0.6	24
105	Effects of different concentrations of <i>Pseudomonas aeruginosa</i> on boar sperm quality. <i>Animal Reproduction Science</i> , 2014 , 150, 96-106	0.6	24
104	Viable and morphologically normal boar spermatozoa alter the expression of heat-shock protein genes in oviductal epithelial cells during co-culture in vitro. <i>Molecular Reproduction and Development</i> , 2014 , 81, 805-19	0.8	24
103	Subjecting horse spermatozoa to hypoosmotic incubation: effects of ouabain. <i>Theriogenology</i> , 1997 , 47, 765-84	0.8	24
102	Resistance to osmotic stress of horse spermatozoa: the role of ionic pumps and their relationship to cryopreservation success. <i>Theriogenology</i> , 1997 , 48, 947-68	0.8	24
101	Effects of vitrification on the expression of pluripotency, apoptotic and stress genes in in vitro-produced porcine blastocysts. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 1072-81	0.3	23
100	The osmotic tolerance of boar spermatozoa and its usefulness as sperm quality parameter. <i>Animal Reproduction Science</i> , 2010 , 119, 265-74	0.6	23
99	Concentrations of carnitine, glutamate and myo-inositol in epididymal fluid and spermatozoa from boars. <i>Animal Reproduction Science</i> , 2007 , 97, 344-55	0.6	23
98	Aquaporins 7 and 11 in boar spermatozoa: detection, localisation and relationship with sperm quality. <i>Reproduction, Fertility and Development</i> , 2016 , 28, 663-72	0.3	21
97	Lectin affinity of the seminiferous epithelium in healthy and cryptorchid post-pubertal boars. <i>Journal of Developmental and Physical Disabilities</i> , 2001 , 24, 153-64		21
96	Potential of seminal plasma to improve the fertility of frozen-thawed boar spermatozoa. <i>Theriogenology</i> , 2019 , 137, 36-42	0.8	20
95	Evaluation of sperm motility with CASA-Mot: which factors may influence our measurements?. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 789-798	0.3	20
94	New data on aberrant spermatozoa in the ejaculate of <i>Sus domesticus</i> . <i>Theriogenology</i> , 1991 , 35, 725-30	0.8	20
93	How do different concentrations of <i>Clostridium perfringens</i> affect the quality of extended boar spermatozoa?. <i>Animal Reproduction Science</i> , 2013 , 140, 83-91	0.6	19
92	Do antimicrobial peptides PR-39, PMAP-36 and PMAP-37 have any effect on bacterial growth and quality of liquid-stored boar semen?. <i>Theriogenology</i> , 2017 , 89, 235-243	0.8	19

91	Impact of epididymal maturation, ejaculation and in vitro capacitation on tyrosine phosphorylation patterns exhibited of boar (<i>Sus domesticus</i>) spermatozoa. <i>Theriogenology</i> , 2011 , 76, 1356-66	0.8	19
90	The cycle of the seminiferous epithelium in Landrace boars. <i>Animal Reproduction Science</i> , 2002 , 73, 211-256		19
89	Triosephosphate isomerase (TPI) and epididymal secretory glutathione peroxidase (GPX5) are markers for boar sperm quality. <i>Animal Reproduction Science</i> , 2016 , 165, 22-30	0.6	18
88	Morphologic study of the testes from spontaneous unilateral and bilateral abdominal cryptorchid boars. <i>Journal of Morphology</i> , 1999 , 239, 225-43	0.4	18
87	Expression, immunolocalization and processing of fertilins ADAM-1 and ADAM-2 in the boar (<i>Sus domesticus</i>) spermatozoa during epididymal maturation. <i>Reproductive Biology and Endocrinology</i> , 2011 , 9, 96	1.2	17
86	Proliferation and apoptosis of spermatogonia in postpuberal boar (<i>Sus domesticus</i>) testes with spontaneous unilateral and bilateral abdominal cryptorchidism. <i>Acta Histochemica</i> , 2005 , 107, 365-72	0.8	17
85	Study of the polyol pathway in the porcine epididymis. <i>Molecular Reproduction and Development</i> , 2006 , 73, 859-65	0.8	17
84	Characterization of the semen quality of postpuberal boars with spontaneous unilateral abdominal cryptorchidism on the right side. <i>Animal Reproduction Science</i> , 1999 , 55, 269-78	0.6	16
83	Origin, development and ultrastructure of boar spermatozoa with folded tails and with two tails. <i>Human Reproduction</i> , 1992 , 7, 523-8	1.4	16
82	Aquaporin 11 is related to cryotolerance and fertilising ability of frozen-thawed bull spermatozoa. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1099-1108	0.3	16
81	Aquaglyceroporins 3 and 7 in bull spermatozoa: identification, localisation and their relationship with sperm cryotolerance. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 1249-1259	0.3	15
80	Evaluation of porcine beta defensins-1 and -2 as antimicrobial peptides for liquid-stored boar semen: Effects on bacterial growth and sperm quality. <i>Theriogenology</i> , 2018 , 111, 9-18	0.8	15
79	Impact of light irradiation on preservation and function of mammalian spermatozoa. <i>Animal Reproduction Science</i> , 2018 , 194, 19-32	0.6	15
78	Acrosin activity is a suitable indicator of boar semen preservation at 17 °C when increasing environmental temperature and radiation. <i>Theriogenology</i> , 2013 , 80, 234-47	0.8	15
77	Effect of column filtration upon the quality parameters of fresh dog semen. <i>Theriogenology</i> , 1998 , 50, 1171-89	0.8	15
76	Structural and ultrastructural features of boar bulbourethral glands. <i>Tissue and Cell</i> , 2006 , 38, 7-18	0.8	15
75	Morphologic and histochemical study of blood capillaries in boar testes: effects of abdominal cryptorchidism. <i>Teratology</i> , 2001 , 63, 42-51		15
74	Gametogenesis of <i>Helicolenus dactylopterus dactylopterus</i> (Teleostei, Scorpaenidae). <i>Sarsia</i> , 2002 , 87, 119-127		15

73	Immature and aberrant spermatozoa in the ejaculate of <i>Sus domesticus</i> . <i>Animal Reproduction Science</i> , 1990 , 22, 67-80	0.6	15
72	Aquaporins in boar spermatozoa. Part II: detection and localisation of aquaglyceroporin 3. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 703-711	0.3	14
71	Effects of the antimicrobial peptide protegrin 1 on sperm viability and bacterial load of boar seminal doses. <i>Reproduction in Domestic Animals</i> , 2017 , 52 Suppl 4, 69-71	0.5	14
70	A proper assessment of boar sperm function may not only require conventional analyses but also others focused on molecular markers of epididymal maturation. <i>Reproduction in Domestic Animals</i> , 2012 , 47 Suppl 3, 52-64	0.5	14
69	Epididymal maturation and ejaculation are key events for further in vitro capacitation of boar spermatozoa. <i>Theriogenology</i> , 2012 , 78, 867-77	0.8	14
68	Sperm Storage Structures in the Ovary of <i>Helicolenus dactylopterus dactylopterus</i> (Teleostei: Scorpaenidae): an Ultrastructural Study. <i>Environmental Biology of Fishes</i> , 2000 , 58, 53-59	0.3	14
67	A morphologic study of the ductus of the epididymis of <i>Sus domesticus</i> . <i>Journal of Morphology</i> , 1993 , 215, 183-193	0.4	14
66	Effect of <i>Pseudomonas aeruginosa</i> on sperm capacitation and protein phosphorylation of boar spermatozoa. <i>Theriogenology</i> , 2016 , 85, 1421-31	0.8	13
65	GSTM3, but not IZUMO1, is a cryotolerance marker of boar sperm. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 61	2	13
64	Aquaglyceroporins but not orthodox aquaporins are involved in the cryotolerance of pig spermatozoa. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 77	2	13
63	Sperm quality and fertility of boar seminal doses after 2 days of storage: does the type of extender really matter?. <i>Theriogenology</i> , 2015 , 83, 1428-37	0.8	13
62	Effects of exposing boars to different artificial light regimens on semen plasma markers and "in vivo" fertilizing capacity. <i>Theriogenology</i> , 2006 , 65, 317-31	0.8	13
61	Boar sperm thawing practices: the number of straws does matter. <i>Theriogenology</i> , 2012 , 77, 1487-94	0.8	12
60	Cryotolerance of in vitro-produced porcine blastocysts is improved when using glucose instead of pyruvate and lactate during the first 2 days of embryo culture. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 737-45	0.3	12
59	The triple role of glutathione S-transferases in mammalian male fertility. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 2331-2342	2.4	12
58	Effects of filtration through Sephadex columns improve overall quality parameters and "in vivo" fertility of subfertile refrigerated boar-semen. <i>Animal Reproduction Science</i> , 2009 , 115, 189-200	0.6	11
57	Acrosin activity is a good predictor of boar sperm freezability. <i>Theriogenology</i> , 2015 , 83, 1525-33	0.8	10
56	Effects of matrix filtration of low-quality boar semen doses on sperm quality. <i>Reproduction in Domestic Animals</i> , 2009 , 44, 499-503	0.5	10

55	Glycocalyx characterisation and glycoprotein expression of <i>Sus domesticus</i> epididymal sperm surface samples. <i>Reproduction, Fertility and Development</i> , 2012 , 24, 619-30	0.3	10
54	Effects of filtration of semen doses from subfertile boars through neuter Sephadex columns. <i>Reproduction in Domestic Animals</i> , 2008 , 43, 48-52	0.5	10
53	Melatonin affects the motility and adhesiveness of in vitro capacitated boar spermatozoa via a mechanism that does not depend on intracellular ROS levels. <i>Andrology</i> , 2018 , 6, 720-736	1.4	10
52	Red-light stimulation of boar semen prior to artificial insemination improves field fertility in farms: A worldwide survey. <i>Reproduction in Domestic Animals</i> , 2019 , 54, 1145-1148	0.5	9
51	Glutathione S-Transferases Play a Crucial Role in Mitochondrial Function, Plasma Membrane Stability and Oxidative Regulation of Mammalian Sperm. <i>Antioxidants</i> , 2020 , 9,	2.3	9
50	Boar Reproduction 2013 ,		9
49	Enhanced water and cryoprotectant permeability of porcine oocytes after artificial expression of human and zebrafish aquaporin-3 channels. <i>Molecular Reproduction and Development</i> , 2014 , 81, 450-61	0.8	9
48	In vitro culture of epithelial cells from the caput, corpus, and cauda epididymis of <i>Sus domesticus</i> . <i>Theriogenology</i> , 2004 , 62, 929-42	0.8	9
47	Ultrastructural abnormalities of boar spermatozoa. <i>Theriogenology</i> , 1993 , 40, 383-96	0.8	9
46	Study of boar sperm interaction with <i>Escherichia coli</i> and <i>Clostridium perfringens</i> in refrigerated semen. <i>Animal Reproduction Science</i> , 2018 , 197, 134-144	0.6	8
45	Addition of L-ascorbic acid to culture and vitrification media of IVF porcine blastocysts improves survival and reduces HSPA1A levels of vitrified embryos. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 1115-23	0.3	8
44	Direct binding of boar ejaculate and epididymal spermatozoa to porcine epididymal epithelial cells is also needed to maintain sperm survival in in vitro co-culture. <i>Animal Reproduction Science</i> , 2012 , 131, 181-93	0.6	8
43	Structural and ultrastructural features of boar seminal vesicles. <i>Tissue and Cell</i> , 2006 , 38, 79-91	0.8	8
42	Histochemical study of the interstitial tissue in scrotal and abdominal boar testes. <i>Veterinary Journal</i> , 2002 , 163, 68-76	0.5	8
41	Efficiency of the process of meiosis in scrotal testes of healthy boars and unilateral abdominal cryptorchid boars. <i>Teratology</i> , 1999 , 60, 209-14		8
40	Ultrastructure of the sperm and spermatogenesis and spermiogenesis of <i>Dina lineata</i> (Hirudinea, Erpobdellidae). <i>Gamete Research</i> , 1988 , 19, 177-90		8
39	HVCN1 Channels Are Relevant for the Maintenance of Sperm Motility During In Vitro Capacitation of Pig Spermatozoa. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	1.9	8
38	The Presence of Seminal Plasma during Liquid Storage of Pig Spermatozoa at 17 °C Modulates Their Ability to Elicit In Vitro Capacitation and Trigger Acrosomal Exocytosis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	1.9	7

37	Embryo development and sex ratio of in vitro-produced porcine embryos are affected by the energy substrate and hyaluronic acid added to the culture medium. <i>Reproduction, Fertility and Development</i> , 2014 , 26, 570-7	0.3	7
36	Proteomic study of the establishment of boar epididymal cell cultures. <i>Theriogenology</i> , 2007 , 68, 76-86	0.8	7
35	Evaluation of boar sperm maturation after co-incubation with caput, corpus and cauda epididymal cultures [corrected]. <i>Theriogenology</i> , 2005 , 64, 1995-2009	0.8	7
34	Cytology of the interstitial tissue in scrotal and abdominal testes of post-puberal boars. <i>Tissue and Cell</i> , 2001 , 33, 8-24	0.8	7
33	Description of different stages of oogenesis in <i>Ophidion barbatum</i> (Pisces, Ophidiidae). <i>Environmental Biology of Fishes</i> , 1993 , 36, 127-133	0.3	7
32	Cryotolerance of Stallion Spermatozoa Relies on Aquaglyceroporins rather than Orthodox Aquaporins. <i>Biology</i> , 2019 , 8,	1.6	7
31	Gonadal structure and gametogenesis of <i>Aspitrigla obscura</i> (Pisces, Triglidae). <i>Italian Journal of Zoology</i> , 2001 , 68, 39-46		6
30	Elucidating the Role of K Channels during In Vitro Capacitation of Boar Spermatozoa: Do SLO1 Channels Play a Crucial Role?. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	1.9	6
29	Effect of AQP Inhibition on Boar Sperm Cryotolerance Depends on the Intrinsic Freezability of the Ejaculate. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	1.9	6
28	Supplementing Maturation Medium With Insulin Growth Factor I and Vitrification-Warming Solutions With Reduced Glutathione Enhances Survival Rates and Development Ability of Matured Vitrified-Warmed Pig Oocytes. <i>Frontiers in Physiology</i> , 2018 , 9, 1894	1.1	5
27	Comparison between the conventional method and the simple desiccation method in porcine sperm processing for scanning electron microscopy. <i>Journal of Microscopy</i> , 1991 , 162, 291-4	0.7	5
26	Voltage-dependent anion channel 2 is involved in in vitro capacitation of boar sperm. <i>Reproduction in Domestic Animals</i> , 2017 , 52 Suppl 4, 65-68	0.5	4
25	H Nuclear Magnetic Resonance of Pig Seminal Plasma Reveals Intra-Ejaculate Variation in Metabolites. <i>Biomolecules</i> , 2020 , 10,	1.9	4
24	Long-term storage of boar seminal doses contaminated with <i>Proteus vulgaris</i> : A dose-dependent effect on sperm motility and sperm-bacteria interaction. <i>Animal Reproduction Science</i> , 2020 , 216, 106349 ^{0.6}		4
23	The Boar Reproductive System 2013 , 65-107		4
22	Energy substrate influences the effect of the timing of the first embryonic cleavage on the development of in vitro-produced porcine embryos in a sex-related manner. <i>Molecular Reproduction and Development</i> , 2013 , 80, 924-35	0.8	4
21	Cryotolerance of porcine in vitro-produced blastocysts relies on blastocyst stage and length of in vitro culture prior to vitrification. <i>Reproduction, Fertility and Development</i> , 2016 , 28, 886-892	0.3	3
20	Cell proliferation in the seminiferous and epididymal epithelia of <i>Sus domesticus</i> . <i>Theriogenology</i> , 2014 , 81, 702-11	0.8	3

19	Sex determination of porcine embryos using a new developed duplex polymerase chain reaction procedure based on the amplification of repetitive sequences. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 417-25	0.3	3
18	Blocking NHE Channels Reduces the Ability of In Vitro Capacitated Mammalian Sperm to Respond to Progesterone Stimulus. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	1.9	3
17	Inhibition of Potassium Channels Affects the Ability of Pig Spermatozoa to Elicit Capacitation and Trigger the Acrosome Exocytosis Induced by Progesterone. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	1.9	3
16	Testing an egg yolk supplemented diet on boars to aid in sperm adaptation at 5°C. <i>Systems Biology in Reproductive Medicine</i> , 2015 , 61, 253-62	0.7	2
15	Detection of Clostridium perfringens in boar semen by PCR techniques. <i>Livestock Science</i> , 2013 , 151, 292-294	0.6	2
14	A PCR technique to detect enterotoxigenic and verotoxigenic Escherichia coli in boar semen samples. <i>Research in Veterinary Science</i> , 2012 , 93, 31-3	0.7	2
13	Effect of culture conditions on the obtention of boar epididymal epithelial cell monolayers. <i>Animal Reproduction Science</i> , 2006 , 95, 262-72	0.6	2
12	Morphological and histochemical characteristics of the lamina propria in scrotal and abdominal testes from postpubertal boars: correlation with the appearance of the seminiferous epithelium. <i>Journal of Anatomy</i> , 2001 , 199, 435-48	0.6	2
11	Red LED Light Acts on the Mitochondrial Electron Chain of Mammalian Sperm via Light-Time Exposure-Dependent Mechanisms. <i>Cells</i> , 2020 , 9,	2	2
10	Medium-term effects of the diluted pig semen irradiation with red LED light on the integrity of nucleoprotein structure and resilience to withstand thermal stress. <i>Theriogenology</i> , 2020 , 157, 388-398	0.8	2
9	Complete Chromatin Decondensation of Pig Sperm Is Required to Analyze Sperm DNA Breaks With the Comet Assay. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 675973	1.5	2
8	Preservation of Epididymal Stallion Sperm in Liquid and Frozen States: Effects of Seminal Plasma on Sperm Function and Fertility. <i>Journal of Equine Veterinary Science</i> , 2020 , 88, 102940	0.4	1
7	P-008. Lectin affinity of the lamina propria, peritubular cells and Sertoli cells in scrotal and abdominal testes of boars. <i>Human Reproduction</i> , 1999 , 14, 143-143	1.4	1
6	Origin, structure and function of the amebocytes of the male reproductive system in Dina lineata O.F. Müller (Hirudinea, Erpobdellidae). <i>Invertebrate Reproduction and Development</i> , 1991 , 19, 87-95	0.2	1
5	Sperm chromatin condensation as an in vivo fertility biomarker in bulls: a flow cytometry approach. <i>Journal of Animal Science and Biotechnology</i> , 2021 , 12, 115	2	1
4	The Effects of Red Light on Mammalian Sperm Rely upon the Color of the Straw and the Medium Used. <i>Animals</i> , 2021 , 11,	1.1	1
3	HVCN1 but Not Potassium Channels Are Related to Mammalian Sperm Cryotolerance. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	1.9	1
2	The TUNEL assay underestimates the incidence of DNA damage in pig sperm due to chromatin condensation. <i>Theriogenology</i> , 2021 , 174, 94-101	0.8	0

- 1 P-002. Testicular structure in spontaneous unilateral and bilateral abdominal cryptorchidism. *Human Reproduction*, **1999**, 14, 139-140 1.4