Marc Yeste

List of Publications by Year
in descending order

234 papers	5,323 citations	87888 38 h-index	149698 56 g-index
245 all docs	245 docs citations	245 times ranked	3336 citing authors

#	Article	IF	Citations
1	Seminal plasma, and not sperm, induces time and concentrationâ€dependent neutrophil extracellular trap release in donkeys. Equine Veterinary Journal, 2022, 54, 415-426.	1.7	12
2	Advances in sperm cryopreservation in farm animals: Cattle, horse, pig and sheep. Animal Reproduction Science, 2022, 246, 106904.	1.5	45
3	Aldose Reductase B1 in Pig Sperm Is Related to Their Function and Fertilizing Ability. Frontiers in Endocrinology, 2022, 13, 773249.	3.5	0
4	Telomere Length in Pig Sperm Is Related to In Vitro Embryo Development Outcomes. Animals, 2022, 12, 204.	2.3	5
5	Thank you very much Jim!. Animal Reproduction Science, 2022, 237, 106941.	1.5	0
6	Paternal adherence to healthy dietary patterns in relation to sperm parameters and outcomes of assisted reproductive technologies. Fertility and Sterility, 2022, 117, 298-312.	1.0	14
7	Assessment of sperm mitochondrial activity by flow cytometry and fluorescent microscopy: a comparative study of mitochondrial fluorescent probes in bovine spermatozoa. Reproduction, Fertility and Development, 2022, 34, 679-688.	0.4	7
8	Relevance of Aquaporins for Gamete Function and Cryopreservation. Animals, 2022, 12, 573.	2.3	9
9	Impact of Seminal Plasma Antioxidants on Donkey Sperm Cryotolerance. Antioxidants, 2022, 11, 417.	5.1	7
10	Evaluation of the Probiotic In Vitro Potential of Lactic Acid-Producing Bacteria from Canine Vagina: Possible Role in Vaginal Health. Animals, 2022, 12, 796.	2.3	1
11	Womenâ€™s and menâ€™s intake of omega-3 fatty acids and their food sources and assisted reproductive technology outcomes. American Journal of Obstetrics and Gynecology, 2022, 227, 246.e1-246.e11.	1.3	12
12	Sperm DNA damage compromises embryo development, but not oocyte fertilisation in pigs. Biological Research, 2022, 55, 15.	3.4	12
13	Involvement of extracellular vesicle-encapsulated miRNAs in human reproductive disorders: a systematic review. Reproduction, Fertility and Development, 2022, 34, 751-775.	0.4	2
14	Animal models of male reproductive ageing to study testosterone production and spermatogenesis. Reviews in Endocrine and Metabolic Disorders, 2022, 23, 1341-1360.	5.7	7
15	Extracellular vesicles in mammalian reproduction: a review. Zygote, 2022, 30, 440-463.	1.1	7
16	A Review on the Role of Bicarbonate and Proton Transporters during Sperm Capacitation in Mammals. International Journal of Molecular Sciences, 2022, 23, 6333.	4.1	9
17	Cryoprotectant role of exopolysaccharide <scp>ID1</scp> in the vitrification/inâ€straw warming of in vitroâ€produced bovine embryos. Reproduction in Domestic Animals, 2022, 57, 53-57.	1.4	2
18	Seminal Plasma Antioxidants Are Related to Sperm Cryotolerance in the Horse. Antioxidants, 2022, 11, 1279.	5.1	6

#	Article	IF	Citations
19	Exopolysaccharide ID1 Improves Post-Warming Outcomes after Vitrification of In Vitro-Produced Bovine Embryos. International Journal of Molecular Sciences, 2022, 23, 7069.	4.1	4
20	P-049â€ƒSperm GSTM3: a potential molecular biomarker for sperm quality and male (in)fertility. Human Reproduction, 2022, 37, .	0.9	0
21	Telomere length in bovine sperm is related to the production of reactive oxygen species, but not to reproductive performance. Theriogenology, 2022, 189, 290-300.	2.1	4
22	Antioxidants and their effect on the oxidative/nitrosative stress of frozen-thawed boar sperm. Cryobiology, 2021, 98, 5-11.	0.7	16
23	The Effects of Red Light on Mammalian Sperm Rely upon the Color of the Straw and the Medium Used. Animals, 2021, 11, 122.	2.3	4
24	HVCN1 but Not Potassium Channels Are Related to Mammalian Sperm Cryotolerance. International Journal of Molecular Sciences, 2021, 22, 1646.	4.1	3
25	A Shorter Equilibration Period Improves Post-Warming Outcomes after Vitrification and in Straw Dilution of In Vitro-Produced Bovine Embryos. Biology, 2021, 10, 142.	2.8	12
26	Deactivation of the JNK Pathway by GSTP1 Is Essential to Maintain Sperm Functionality. Frontiers in Cell and Developmental Biology, 2021, 9, 627140.	3.7	6
27	Inhibition of Potassium Channels Affects the Ability of Pig Spermatozoa to Elicit Capacitation and Trigger the Acrosome Exocytosis Induced by Progesterone. International Journal of Molecular Sciences, 2021, 22, 1992.	4.1	7
28	Cryopreservation and oxidative stress in porcine oocytes. Research in Veterinary Science, 2021, 135, 20-26.	1.9	8
29	Aquaporins and (in)fertility: More than just water transport. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166039.	3.8	15
30	Clinical implications of sperm <scp>DNA</scp> damage in <scp>IVF</scp> and <scp>ICSI</scp>: updated systematic review and metaâ€analysis. Biological Reviews, 2021, 96, 1284-1300.	10.4	70
31	Semen analysis of boars under intertropical conditions reveals the relevance of proximal and distal cytoplasm droplets for sperm functional integrity. Reproduction in Domestic Animals, 2021, 56, 905-914.	1.4	1
32	Species-Specific Differences in Sperm Chromatin Decondensation Between Eutherian Mammals Underlie Distinct Lysis Requirements. Frontiers in Cell and Developmental Biology, 2021, 9, 669182.	3.7	21
33	Metabolite Profiling of Pig Seminal Plasma Identifies Potential Biomarkers for Sperm Resilience to Liquid Preservation. Frontiers in Cell and Developmental Biology, 2021, 9, 669974.	3.7	9
34	Microbial Prevalence and Antimicrobial Sensitivity in Equine Endometritis in Field Conditions. Animals, 2021, 11, 1476.	2.3	15
35	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. I: Protective effect of melatonin and butylhydroxytoluene on sperm function. Research in Veterinary Science, 2021, 136, 143-150.	1.9	15
36	Specific Seminal Plasma Fractions Are Responsible for the Modulation of Spermâ€“PMN Binding in the Donkey. Animals, 2021, 11, 1388.	2.3	4

#	Article	IF	Citations
37	Complete Chromatin Decondensation of Pig Sperm Is Required to Analyze Sperm DNA Breaks With the Comet Assay. Frontiers in Cell and Developmental Biology, 2021, 9, 675973.	3.7	9
38	Aldose Reductase B1 in Pig Seminal Plasma: Identification, Localization in Reproductive Tissues, and Relationship With Quality and Sperm Preservation. Frontiers in Cell and Developmental Biology, 2021, 9, 683199.	3.7	3
39	Pâ€“051 Differential resilience of sperm from different mammals to DNA decondensation. Human Reproduction, 2021, 36, .	0.9	1
40	Extracellular Reactive Oxygen Species (ROS) Production in Fresh Donkey Sperm Exposed to Reductive Stress, Oxidative Stress and NETosis. Antioxidants, 2021, 10, 1367.	5.1	10
41	Aquaporins Are Essential to Maintain Motility and Membrane Lipid Architecture During Mammalian Sperm Capacitation. Frontiers in Cell and Developmental Biology, 2021, 9, 656438.	3.7	5
42	Role of exogenous antioxidants on the performance and function of pig sperm after preservation in liquid and frozen states: A systematic review. Theriogenology, 2021, 173, 279-294.	2.1	8
43	The TUNEL assay underestimates the incidence of DNA damage in pig sperm due to chromatin condensation. Theriogenology, 2021, 174, 94-101.	2.1	7
44	Direct but Not Indirect Methods Correlate the Percentages of Sperm With Altered Chromatin to the Intensity of Chromatin Damage. Frontiers in Veterinary Science, 2021, 8, 719319.	2.2	8
45	Parkinson Disease Protein 7 (PARK7) Is Related to the Ability of Mammalian Sperm to Undergo In Vitro Capacitation. International Journal of Molecular Sciences, 2021, 22, 10804.	4.1	4
46	Exogenous Albumin Is Crucial for Pig Sperm to Elicit In Vitro Capacitation Whereas Bicarbonate Only Modulates Its Efficiency. Biology, 2021, 10, 1105.	2.8	6
47	Sperm chromatin condensation as an in vivo fertility biomarker in bulls: a flow cytometry approach. Journal of Animal Science and Biotechnology, 2021, 12, 115.	5.3	14
48	Fatty acid synthase as a feasible biomarker for triple negative breast cancer stem cell subpopulation cultured on electrospun scaffolds. Materials Today Bio, 2021, 12, 100155.	5.5	3
49	Blocking NHE Channels Reduces the Ability of In Vitro Capacitated Mammalian Sperm to Respond to Progesterone Stimulus. International Journal of Molecular Sciences, 2021, 22, 12646.	4.1	10
50	Metabolomic fingerprinting of pig seminal plasma identifies in vivo fertility biomarkers. Journal of Animal Science and Biotechnology, 2021, 12, 113.	5.3	7
51	Addition of Reduced Glutathione (GSH) to Freezing Medium Reduces Intracellular ROS Levels in Donkey Sperm. Veterinary Sciences, 2021, 8, 302.	1.7	5
52	Direct (alkaline and Neutral Comet and Tunel) But Not Indirect Methods (scd and Scsa) Relate The Percentages of Sperm With Fragmented Dna To Chromatin Damage In Cryopreserved Boar Sperm. Cryobiology, 2021, 103, 194-195.	0.7	0
53	Inflammatory Markers in Uterine Lavage Fluids of Pregnant, Non-Pregnant, and Intrauterine Device Implanted Mares on Days 10 and 15 Post Ovulation. Animals, 2021, 11, 3493.	2.3	3
54	Increase of Dna Fragmentation Evaluated Through The Alkaline Comet Is Concomitant With A Decrease In The Quality of Frozen-Thawed Bovine Sperm. Cryobiology, 2021, 103, 207-208.	0.7	0

#	Article	IF	Citations
55	Elucidating The Physiological Role of Slo1 and Hvcn1 Channels In Mammalian Sperm Cryopreservation. Cryobiology, 2021, 103, 181-182.	0.7	0
56	Uterine and placental specific localization of AQP2 and AQP8 is related with changes of serum progesterone levels in pregnant queens. Theriogenology, 2020, 142, 149-157.	2.1	7
57	The role of miRNAs in male human reproduction: a systematic review. Andrology, 2020, 8, 7-26.	3.5	72
58	Relative content of Niemann-Pick C2 protein (NPC2) in seminal plasma, but not that of spermadhesin AQN-1, is related to boar sperm cryotolerance. Theriogenology, 2020, 145, 181-189.	2.1	8
59	The triple role of glutathione S-transferases in mammalian male fertility. Cellular and Molecular Life Sciences, 2020, 77, 2331-2342.	5.4	27
60	Total and specific activities of superoxide dismutase (SOD) in seminal plasma are related with the cryotolerance of jackass spermatozoa. Cryobiology, 2020, 92, 109-116.	0.7	20
61	In Vitro Maturation with Leukemia Inhibitory Factor Prior to the Vitrification of Bovine Oocytes Improves Their Embryo Developmental Potential and Gene Expression in Oocytes and Embryos. International Journal of Molecular Sciences, 2020, 21, 7067.	4.1	5
62	Urine glucose concentration: A useful parameter as a surrogate for glycaemia on the first day of life in canine neonates. Research in Veterinary Science, 2020, 133, 59-62.	1.9	1
63	Single Layer Centrifugation Improves the Quality of Fresh Donkey Semen and Modifies the Sperm Ability to Interact with Polymorphonuclear Neutrophils. Animals, 2020, 10, 2128.	2.3	2
64	Red LED Light Acts on the Mitochondrial Electron Chain of Mammalian Sperm via Light-Time Exposure-Dependent Mechanisms. Cells, 2020, 9, 2546.	4.1	12
65	Effects of different equilibration times at 5â€Â°C on boar sperm cryotolerance. Animal Reproduction Science, 2020, 219, 106547.	1.5	8
66	The Relationship between Sperm Oxidative Stress Alterations and IVF/ICSI Outcomes: A Systematic Review from Nonhuman Mammals. Biology, 2020, 9, 178.	2.8	23
67	Mating to Intact, but Not Vasectomized, Males Elicits Changes in the Endometrial Transcriptome: Insights From the Bovine Model. Frontiers in Cell and Developmental Biology, 2020, 8, 547.	3.7	17
68	Irradiating frozen-thawed stallion sperm with red-light increases their resilience to withstand post-thaw incubation at 38ÂÂ°C. Theriogenology, 2020, 157, 85-95.	2.1	8
69	The Role of the Epididymis and the Contribution of Epididymosomes to Mammalian Reproduction. International Journal of Molecular Sciences, 2020, 21, 5377.	4.1	123
70	Exosomes derived from HEK293T cells interact in an efficient and noninvasive manner with mammalian sperm in vitro. Nanomedicine, 2020, 15, 1965-1980.	3.3	23
71	In vitro maturation in the presence of Leukemia Inhibitory Factor modulates gene and miRNA expression in bovine oocytes and embryos. Scientific Reports, 2020, 10, 17777.	3.3	8
72	Glutathione Ethyl Ester Protects In Vitro-Maturing Bovine Oocytes against Oxidative Stress Induced by Subsequent Vitrification/Warming. International Journal of Molecular Sciences, 2020, 21, 7547.	4.1	34

#	Article	IF	Citations
73	A pilot RNA-seq study in 40 pietrain ejaculates to characterize the porcine sperm microbiome. Theriogenology, 2020, 157, 525-533.	2.1	19
74	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. Theriogenology, 2020, 157, 388-398.	2.1	2
75	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. II: Effect of the addition of saccharides to freezing medium on sperm function. Cryobiology, 2020, 97, 5-11.	0.7	13
76	Red-Light Irradiation of Horse Spermatozoa Increases Mitochondrial Activity and Motility through Changes in the Motile Sperm Subpopulation Structure. Biology, 2020, 9, 254.	2.8	11
77	Exploring Seminal Plasma GSTM3 as a Quality and In Vivo Fertility Biomarker in Pigsâ€"Relationship with Sperm Morphology. Antioxidants, 2020, 9, 741.	5.1	9
78	Changes in Acute Phase Proteins in Bitches after Laparoscopic, Midline, and Flank Ovariectomy Using the Same Method for Hemostasis. Animals, 2020, 10, 2223.	2.3	4
79	Red LED Light Acts on the Mitochondrial Electron Chain of Donkey Sperm and Its Effects Depend on the Time of Exposure to Light. Frontiers in Cell and Developmental Biology, 2020, 8, 588621.	3.7	13
80	Seminal Plasma, Sperm Concentration, and Sperm-PMN Interaction in the Donkey: An In Vitro Model to Study Endometrial Inflammation at Post-Insemination. International Journal of Molecular Sciences, 2020, 21, 3478.	4.1	18
81	Effect of Exposure to Seminal Plasma Through Natural Mating in Cattle on Conceptus Length and Gene Expression. Frontiers in Cell and Developmental Biology, 2020, 8, 341.	3.7	20
82	Sperm induce NETosis in jenny polymorphonuclear cells in a concentration and time dependent manner. Journal of Equine Veterinary Science, 2020, 89, 103037.	0.9	2
83	Seminal Plasma Modulates miRNA Expression by Sow Genital Tract Lining Explants. Biomolecules, 2020, 10, 933.	4.0	12
84	Effects of red-light irradiation on the function and survival of fresh and liquid-stored donkey semen. Theriogenology, 2020, 149, 88-97.	2.1	11
85	Tyrosine phosphorylation is not a relevant mechanism to modulate aquaporin 2 activity in gestational queen endometrium and placenta. Reproduction in Domestic Animals, 2020, 55, 448-453.	1.4	0
86	1H Nuclear Magnetic Resonance of Pig Seminal Plasma Reveals Intra-Ejaculate Variation in Metabolites. Biomolecules, 2020, 10, 906.	4.0	9
87	Effects of Roundup and its main component, glyphosate, upon mammalian sperm function and survival. Scientific Reports, 2020, 10, 11026.	3.3	46
88	The Presence of Seminal Plasma during Liquid Storage of Pig Spermatozoa at 17 Â°C Modulates Their Ability to Elicit In Vitro Capacitation and Trigger Acrosomal Exocytosis. International Journal of Molecular Sciences, 2020, 21, 4520.	4.1	16
89	Preservation of Epididymal Stallion Sperm in Liquid and Frozen States: Effects of Seminal Plasma on Sperm Function and Fertility. Journal of Equine Veterinary Science, 2020, 88, 102940.	0.9	1
90	Glutathione S-Transferases Play a Crucial Role in Mitochondrial Function, Plasma Membrane Stability and Oxidative Regulation of Mammalian Sperm. Antioxidants, 2020, 9, 100.	5.1	19

#	Article	IF	Citations
91	Long-term storage of boar seminal doses contaminated with Proteus vulgaris: A dose-dependent effect on sperm motility and sperm-bacteria interaction. Animal Reproduction Science, 2020, 216, 106349.	1.5	8
92	Oxidative Stress in Male Infertility: Causes, Effects in Assisted Reproductive Techniques, and Protective Support of Antioxidants. Biology, 2020, 9, 77.	2.8	45
93	Seminal Plasma Anti-MÃ¼llerian Hormone: A Potential AI-Boar Fertility Biomarker?. Biology, 2020, 9, 78.	2.8	11
94	Seminal plasma has limited counteracting effects following induction of oxidative stress in donkey spermatozoa. Reproduction, Fertility and Development, 2020, 32, 619.	0.4	2
95	HVCN1 Channels Are Relevant for the Maintenance of Sperm Motility During In Vitro Capacitation of Pig Spermatozoa. International Journal of Molecular Sciences, 2020, 21, 3255.	4.1	15
96	Cationic channels have a key role in mammalian sperm cryotolerance. Cryobiology, 2020, 97, 290.	0.7	0
97	4 Sperm, but not seminal plasma, elicit changes in the bovine endometrial transcriptome after natural mating. Reproduction, Fertility and Development, 2020, 32, 126.	0.4	0
98	GSTM3, but not IZUMO1, is a cryotolerance marker of boar sperm. Journal of Animal Science and Biotechnology, 2019, 10, 61.	5.3	30
99	Relative GSTM3-abundance in fresh boar sperm is related to their cryotolerance. Theriogenology, 2019, 137, 127.	2.1	0
100	Oocyte Activation Deficiency and Advances to Overcome. , 2019, , 429-445.		2
101	Species-specific and collection method-dependent differences in endometrial susceptibility to seminal plasma-induced RNA degradation. Scientific Reports, 2019, 9, 15072.	3.3	12
102	Specific Activity of Superoxide Dismutase in Stallion Seminal Plasma Is Related to Sperm Cryotolerance. Antioxidants, 2019, 8, 539.	5.1	34
103	Aquaglyceroporins but not orthodox aquaporins are involved in the cryotolerance of pig spermatozoa. Journal of Animal Science and Biotechnology, 2019, 10, 77.	5.3	20
104	A new test based on the hypotonic resistance and functional competence to evaluate the sperm quality, cryotolerance and inÂvitro fertilizing ability in pigs. Theriogenology, 2019, 140, 84-92.	2.1	1
105	Levels of activity of superoxide dismutase in seminal plasma do not predict fertility of pig AI-semen doses. Theriogenology, 2019, 140, 18-24.	2.1	17
106	Activities of antioxidant seminal plasma enzymes (SOD, CAT, GPX and GSR) are higher in jackasses than in stallions and are correlated with sperm motility in jackasses. Theriogenology, 2019, 140, 180-187.	2.1	40
107	Cryoprotectant role of exopolysaccharide of Pseudomonas sp. ID1 in the vitrification of IVM cow oocytes. Reproduction, Fertility and Development, 2019, 31, 1507.	0.4	11
108	Potential of seminal plasma to improve the fertility of frozen-thawed boar spermatozoa. Theriogenology, 2019, 137, 36-42.	2.1	26

#	Article	IF	Citations
109	Redâ€light stimulation of boar semen prior to artificial insemination improves field fertility in farms: A worldwide survey. Reproduction in Domestic Animals, 2019, 54, 1145-1148.	1.4	11
110	Cryotolerance of Stallion Spermatozoa Relies on Aquaglyceroporins rather than Orthodox Aquaporins. Biology, 2019, 8, 85.	2.8	12
111	Elucidating the Role of K+ Channels during In Vitro Capacitation of Boar Spermatozoa: Do SLO1 Channels Play a Crucial Role?. International Journal of Molecular Sciences, 2019, 20, 6330.	4.1	12
112	Effect of AQP Inhibition on Boar Sperm Cryotolerance Depends on the Intrinsic Freezability of the Ejaculate. International Journal of Molecular Sciences, 2019, 20, 6255.	4.1	10
113	The Expression of miRNAs in Human Ovaries, Oocytes, Extracellular Vesicles, and Early Embryos: A Systematic Review. Cells, 2019, 8, 1564.	4.1	39
114	Removal of seminal plasma prior to liquid storage of boar spermatozoa: A practice that can improve their fertilizing ability. Theriogenology, 2019, 125, 79-86.	2.1	24
115	Melatonin reduces cAMP-stimulated capacitation of ram spermatozoa. Reproduction, Fertility and Development, 2019, 31, 420.	0.4	30
116	Evaluation of porcine beta defensins-1 and -2 as antimicrobial peptides for liquid-stored boar semen: Effects on bacterial growth and sperm quality. Theriogenology, 2018, 111, 9-18.	2.1	22
117	Impact of light irradiation on preservation and function of mammalian spermatozoa. Animal Reproduction Science, 2018, 194, 19-32.	1.5	21
118	Cyclooxygenase-2 is inhibited in prolonged luteal maintenance induced by intrauterine devices in mares. Animal Reproduction Science, 2018, 199, 93-103.	1.5	4
119	Involvement of aquaporins in mammalian sperm cryopreservation. Cryobiology, 2018, 85, 126.	0.7	0
120	Screening of Additive Manufactured Scaffolds Designs for Triple Negative Breast Cancer 3D Cell Culture and Stem-Like Expansion. International Journal of Molecular Sciences, 2018, 19, 3148.	4.1	23
121	Combined effects of resveratrol and epigallocatechin-3-gallate on post thaw boar sperm and IVF parameters. Theriogenology, 2018, 117, 16-25.	2.1	37
122	Melatonin affects the motility and adhesiveness of inÂvitro capacitated boar spermatozoa via a mechanism that does not depend on intracellular <scp>ROS</scp> levels. Andrology, 2018, 6, 720-736.	3.5	14
123	Aquaporin 11 is related to cryotolerance and fertilising ability of frozenâ€“thawed bull spermatozoa. Reproduction, Fertility and Development, 2018, 30, 1099.	0.4	21
124	Evaluation of sperm motility with CASA-Mot: which factors may influence our measurements?. Reproduction, Fertility and Development, 2018, 30, 789.	0.4	34
125	Study of boar sperm interaction with Escherichia coli and Clostridium perfringens in refrigerated semen. Animal Reproduction Science, 2018, 197, 134-144.	1.5	14
126	The achievement of boar sperm inÂvitro capacitation is related to an increase of disrupted disulphide bonds and intracellular reactive oxygen species levels. Andrology, 2018, 6, 781-797.	3.5	21

#	Article	IF	Citations
127	Placental and uterine expression of GLUT3, but not GLUT1, is related with serum progesterone levels during the first stages of pregnancy in queens. Theriogenology, 2018, 121, 82-90.	2.1	11
128	Supplementing Maturation Medium With Insulin Growth Factor I and Vitrification-Warming Solutions With Reduced Glutathione Enhances Survival Rates and Development Ability of in vitro Matured Vitrified-Warmed Pig Oocytes. Frontiers in Physiology, 2018, 9, 1894.	2.8	8
129	40 Gene Expression Profiling of In Vitro-Produced Blastocysts Derived from In Vitro-Matured Bovine Oocytes Vitrified/Warmed in Media Supplemented with a Biopolymer Produced by an Antarctic Bacterium. Reproduction, Fertility and Development, 2018, 30, 159.	0.4	1
130	Effects of reduced glutathione on acrosin activity in frozenâ€“thawed boar spermatozoa. Reproduction, Fertility and Development, 2017, 29, 283.	0.4	19
131	Aquaporins in boar spermatozoa. Part II: detection and localisation of aquaglyceroporin 3. Reproduction, Fertility and Development, 2017, 29, 703.	0.4	18
132	Effect of seminal plasma proteins on the motile sperm subpopulations in ram ejaculates. Reproduction, Fertility and Development, 2017, 29, 394.	0.4	27
133	Aquaglyceroporins 3 and 7 in bull spermatozoa: identification, localisation and their relationship with sperm cryotolerance. Reproduction, Fertility and Development, 2017, 29, 1249.	0.4	23
134	Oocyte Activation and Fertilisation: Crucial Contributors from the Sperm and Oocyte. Results and Problems in Cell Differentiation, 2017, 59, 213-239.	0.7	51
135	Artificial insemination with frozenâ€thawed boar sperm. Molecular Reproduction and Development, 2017, 84, 802-813.	2.0	88
136	A comparative study of the effects of Escherichia coli and Clostridium perfringens upon boar semen preserved in liquid storage. Animal Reproduction Science, 2017, 177, 65-78.	1.5	38
137	Effects of the antimicrobial peptide protegrine 1 on sperm viability and bacterial load of boar seminal doses. Reproduction in Domestic Animals, 2017, 52, 69-71.	1.4	14
138	Aquaporins in the male reproductive tract and sperm: Functional implications and cryobiology. Reproduction in Domestic Animals, 2017, 52, 12-27.	1.4	62
139	First evidence for the presence of aquaporins in stallion sperm. Reproduction in Domestic Animals, 2017, 52, 61-64.	1.4	24
140	Voltageâ€dependent anion channel 2 is involved in in vitro capacitation of boar sperm. Reproduction in Domestic Animals, 2017, 52, 65-68.	1.4	8
141	Relationship of aquaporins 3 (<scp>AQP</scp>3), 7 (<scp>AQP</scp>7), and 11 (<scp>AQP</scp>11) with boar sperm resilience to withstand freezeâ€“thawing procedures. Andrology, 2017, 5, 1153-1164.	3.5	40
142	The addition of reduced glutathione to cryopreservation media induces changes in the structure of motile subpopulations of frozen-thawed boar sperm. Cryobiology, 2017, 78, 56-64.	0.7	27
143	Implementing an open-access CASA software for the assessment of stallion sperm motility: Relationship with other sperm quality parameters. Animal Reproduction Science, 2017, 176, 11-19.	1.5	50
144	Assessment of the effect of adding L-carnitine and/or resveratrol to maturation medium before vitrification on inÂvitro-matured calf oocytes. Theriogenology, 2017, 89, 47-57.	2.1	43

#	Article	IF	Citations
145	Do antimicrobial peptides PR-39, PMAP-36 and PMAP-37 have any effect on bacterial growth and quality of liquid-stored boar semen?. Theriogenology, 2017, 89, 235-243.	2.1	28
146	Electrospinning PCL Scaffolds Manufacture for Three-Dimensional Breast Cancer Cell Culture. Polymers, 2017, 9, 328.	4.5	59
147	Cholesterol added prior to vitrification on the cryotolerance of immature and in vitro matured bovine oocytes. PLoS ONE, 2017, 12, e0184714.	2.5	16
148	State-of-the-art of boar sperm preservation in liquid and frozen state. Animal Reproduction, 2017, 14, 69-81.	1.0	49
149	Specific LED-based red light photo-stimulation procedures improve overall sperm function and reproductive performance of boar ejaculates. Scientific Reports, 2016, 6, 22569.	3.3	38
150	Development of a laser-activated mesoporous silica nanocarrier delivery system for applications in molecular and genetic research. Journal of Biomedical Optics, 2016, 21, 115002.	2.6	1
151	Does advancing male age influence the expression levels and localisation patterns of phospholipase C zeta (PLCÎ¶) in human sperm?. Scientific Reports, 2016, 6, 27543.	3.3	22
152	Pro-inflammatory cytokines: Useful markers for the diagnosis of canine mammary tumours?. Veterinary Journal, 2016, 210, 92-94.	1.7	6
153	Effects on the equine endometrium of cervical occlusion after insemination. Theriogenology, 2016, 85, 617-624.	2.1	19
154	Effect of Pseudomonas aeruginosa on sperm capacitation andÂprotein phosphorylation of boar spermatozoa. Theriogenology, 2016, 85, 1421-1431.	2.1	26
155	Aquaporins 7 and 11 in boar spermatozoa: detection, localisation and relationship with sperm quality. Reproduction, Fertility and Development, 2016, 28, 663.	0.4	31
156	Introduction to the special issue on swine reproduction. Theriogenology, 2016, 85, 2-3.	2.1	1
157	Phospholipase C zeta (PLCÎ¶) and male infertility: Clinical update and topical developments. Advances in Biological Regulation, 2016, 61, 58-67.	2.3	45
158	Triosephosphate isomerase (TPI) and epididymal secretory glutathione peroxidase (GPX5) are markers for boar sperm quality. Animal Reproduction Science, 2016, 165, 22-30.	1.5	22
159	Oocyte activation deficiency: a role for an oocyte contribution?. Human Reproduction Update, 2016, 22, 23-47.	10.8	110
160	Sperm cryopreservation update: Cryodamage, markers, and factors affecting the sperm freezability in pigs. Theriogenology, 2016, 85, 47-64.	2.1	249
161	Cryotolerance of porcine in vitro-produced blastocysts relies on blastocyst stage and length of in vitro culture prior to vitrification. Reproduction, Fertility and Development, 2016, 28, 886.	0.4	16
162	Recent Advances in Boar Sperm Cryopreservation: State of the Art and Current Perspectives. Reproduction in Domestic Animals, 2015, 50, 71-79.	1.4	89

#	Article	IF	Citations
163	Addition of L-ascorbic acid to culture and vitrification media of IVF porcine blastocysts improves survival and reduces HSPA1A levels of vitrified embryos. Reproduction, Fertility and Development, 2015, 27, 1115.	0.4	12
164	Intracellular calcium movements of boar spermatozoa during â€˜inÂvitroâ€™ capacitation and subsequent acrosome exocytosis follow a multiple-storage place, extracellular calcium-dependent model. Andrology, 2015, 3, 729-747.	3.5	56
165	Effects of vitrification on the expression of pluripotency, apoptotic and stress genes in in vitro-produced porcine blastocysts. Reproduction, Fertility and Development, 2015, 27, 1072.	0.4	38
166	Acrosin activity is a good predictor of boar sperm freezability. Theriogenology, 2015, 83, 1525-1533.	2.1	17
167	Hormone supplementation protocol using estradiol benzoate and long-acting progesterone is efficient in maintaining pregnancy of anovulatory recipient mares during autumn transitional phase. Animal Reproduction Science, 2015, 153, 39-43.	1.5	15
168	Sperm quality and fertility of boar seminal doses after 2Âdays of storage: Does the type of extender really matter?. Theriogenology, 2015, 83, 1428-1437.	2.1	17
169	Comparative analysis of boar seminal plasma proteome from different freezability ejaculates and identification of Fibronectin 1 as sperm freezability marker. Andrology, 2015, 3, 345-356.	3.5	72
170	The Wnt1 ligand/Frizzled 3 receptor system plays a regulatory role in the achievement of the â€˜in vitroâ€™ capacitation and subsequent â€˜in vitroâ€™ acrosome exocytosis of porcine spermatozoa. Andrology, 2015, 3, 357-367.	3.5	4
171	Total levels, localization patterns, and proportions of sperm exhibiting phospholipase C zeta are significantly correlated with fertilization rates after intracytoplasmic sperm injection. Fertility and Sterility, 2015, 104, 561-568.e4.	1.0	67
172	Mission impossible? Improving ART outcome following unexplained total failed fertilisation. Fertility and Sterility, 2015, 104, e301-e302.	1.0	0
173	Sperm Factors and Oocyte Activation: Current Controversies and Considerations1. Biology of Reproduction, 2015, 93, 50.	2.7	42
174	Combining reduced glutathione and ascorbic acid has supplementary beneficial effects on boar sperm cryotolerance. Theriogenology, 2015, 83, 399-407.	2.1	47
175	Cryotolerance of stallion spermatozoa is related to <scp>ROS</scp> production and mitochondrial membrane potential rather than to the integrity of sperm nucleus. Andrology, 2015, 3, 395-407.	3.5	86
176	The Increase in Phosphorylation Levels of Serine Residues of Protein HSP70 during Holding Time at 17Â°C Is Concomitant with a Higher Cryotolerance of Boar Spermatozoa. PLoS ONE, 2014, 9, e90887.	2.5	60
177	Comparative effects of adding Î²-mercaptoethanol or L-ascorbic acid to culture or vitrificationâ€“warming media on IVF porcine embryos. Reproduction, Fertility and Development, 2014, 26, 875.	0.4	38
178	Supplementing cryopreservation media with reduced glutathione increases fertility and prolificacy of sows inseminated with frozenâ€thawed boar semen. Andrology, 2014, 2, 88-99.	3.5	66
179	Viable and morphologically normal boar spermatozoa alter the expression of heatâ€shock protein genes in oviductal epithelial cells during coâ€culture in vitro. Molecular Reproduction and Development, 2014, 81, 805-819.	2.0	30
180	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. Cryobiology, 2014, 68, 451-458.	0.7	41

#	Article	IF	Citations
181	Evaluation of sperm subpopulation structure in relation to inÂvitro spermâ€“oocyte interaction of frozen-thawed semen from Holstein bulls. Theriogenology, 2014, 81, 1067-1072.	2.1	40
182	The improving effect of reduced glutathione on boar sperm cryotolerance is related with the intrinsic ejaculate freezability. Cryobiology, 2014, 68, 251-261.	0.7	51
183	Effects of different concentrations of Pseudomonas aeruginosa on boar sperm quality. Animal Reproduction Science, 2014, 150, 96-106.	1.5	43
184	Relationship of sperm small heat-shock protein 10 and voltage-dependent anion channel 2 with semen freezability in boars. Theriogenology, 2014, 82, 418-426.	2.1	47
185	Effects of Enterobacter cloacae on boar sperm quality during liquid storage at 17Â°C. Animal Reproduction Science, 2014, 148, 72-82.	1.5	57
186	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. Reproduction, Fertility and Development, 2014, 26, 570.	0.4	10
187	Oligomycin A-induced inhibition of mitochondrial ATP-synthase activity suppresses boar sperm motility and in vitro capacitation achievement without modifying overall sperm energy levels. Reproduction, Fertility and Development, 2014, 26, 883.	0.4	47
188	New insights into SET protein during mouse spermatogenesis. Asian Journal of Andrology, 2014, 16, 783.	1.6	1
189	Effect of donkey seminal plasma on sperm movement and spermâ€“polymorphonuclear neutrophils attachment in vitro. Animal Reproduction Science, 2013, 140, 164-172.	1.5	25
190	How do different concentrations of Clostridium perfringens affect the quality of extended boar spermatozoa?. Animal Reproduction Science, 2013, 140, 83-91.	1.5	29
191	Adenosine monophosphate-activated kinase, AMPK, is involved in the maintenance of the quality of extended boar semen during long-term storage. Theriogenology, 2013, 80, 285-294.	2.1	34
192	Acrosin activity is a suitable indicator of boar semen preservation at 17 Â°C when increasing environmental temperature and radiation. Theriogenology, 2013, 80, 234-247.	2.1	18
193	Acrosin-binding protein (ACRBP) and triosephosphate isomerase (TPI) areÂgood markers to predict boar sperm freezing capacity. Theriogenology, 2013, 80, 443-450.	2.1	74
194	Good and bad freezability boar ejaculates differ in the integrity of nucleoprotein structure after freeze-thawing but not in ROS levels. Theriogenology, 2013, 79, 929-939.	2.1	75
195	Boar Spermatozoa Within the Uterine Environment. , 2013, , 205-255.		0
196	Boar Spermatozoa Within the Oviductal Environment (I): Sperm Reservoir. , 2013, , 257-346.		3
197	Boar Spermatozoa Within the Oviductal Environment (III): Fertilisation. , 2013, , 407-467.		3
198	Boar Spermatozoa Within the Oviductal Environment (II): Sperm Capacitation. , 2013, , 347-405.		3

#	Article	IF	Citations
199	Energy substrate influences the effect of the timing of the first embryonic cleavage on the development of in vitroâ€produced porcine embryos in a sexâ€related manner. Molecular Reproduction and Development, 2013, 80, 924-935.	2.0	5
200	Reduced glutathione and procaine hydrochloride protect the nucleoprotein structure of boar spermatozoa during freezeâ€“thawing by stabilising disulfide bonds. Reproduction, Fertility and Development, 2013, 25, 1036.	0.4	56
201	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. Reproduction, Fertility and Development, 2013, 25, 737.	0.4	13
202	60 THE EFFECT OF L-ASCORBIC ACID DURING CULTURE, CRYOPRESERVATION, OR BOTH ON PORCINE EMBRYOS PRODUCED IN VITRO. Reproduction, Fertility and Development, 2013, 25, 177.	0.4	1
203	A PCR technique to detect enterotoxigenic and verotoxigenic Escherichia coli in boar semen samples. Research in Veterinary Science, 2012, 93, 31-33.	1.9	3
204	Boar sperm thawing practices: The number of straws does matter. Theriogenology, 2012, 77, 1487-1494.	2.1	13
205	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. Animal Reproduction Science, 2012, 131, 181-193.	1.5	12
206	A Proper Assessment of Boar Sperm Function May Not Only Require Conventional Analyses but Also Others Focused on Molecular Markers of Epididymal Maturation. Reproduction in Domestic Animals, 2012, 47, 52-64.	1.4	18
207	Effects of different concentrations of enterotoxigenic and verotoxigenic E. coli on boar sperm quality. Animal Reproduction Science, 2011, 127, 176-182.	1.5	70
208	The effects on boar sperm quality of dietary supplementation with omega-3 polyunsaturated fatty acids differ among porcine breeds. Theriogenology, 2011, 76, 184-196.	2.1	52
209	Impact of epididymal maturation, ejaculation and in vitro capacitation on tyrosine phosphorylation patterns exhibited of boar (Sus domesticus) spermatozoa. Theriogenology, 2011, 76, 1356-1366.	2.1	21
210	Study of the proacrosin - acrosin system in epididymal, ejaculated and in vitro capacitated boar spermatozoa. Reproduction, Fertility and Development, 2011, 23, 837.	0.4	30
211	A diet supplemented with l-carnitine improves the sperm quality of PiÃ©train but not of Duroc and Large White boars when photoperiod and temperature increase. Theriogenology, 2010, 73, 577-586.	2.1	49
212	The HSP90AA1 sperm content and the prediction of the boar ejaculate freezability. Theriogenology, 2010, 74, 940-950.	2.1	61
213	Fertility after post-cervical artificial insemination with cryopreserved sperm from boar ejaculates of good and poor freezability. Animal Reproduction Science, 2010, 118, 69-76.	1.5	37
214	The osmotic tolerance of boar spermatozoa and its usefulness as sperm quality parameter. Animal Reproduction Science, 2010, 119, 265-274.	1.5	27
215	Effects of Matrix Filtration of Lowâ€Quality Boar Semen Doses on Sperm Quality. Reproduction in Domestic Animals, 2009, 44, 499-503.	1.4	12
216	Freezability prediction of boar ejaculates assessed by functional sperm parameters and sperm proteins. Theriogenology, 2009, 72, 930-948.	2.1	89

#	Article	IF	Citations
217	Direct contact between boar spermatozoa and porcine oviductal epithelial cell (OEC) cultures is needed for optimal sperm survival in vitro. Animal Reproduction Science, 2009, 113, 263-278.	1.5	36
218	Effects of Filtration of Semen Doses from Subfertile Boars through Neuter Sephadex Columns. Reproduction in Domestic Animals, 2008, 43, 48-52.	1.4	15
219	Boar spermatozoa and prostaglandin F2Î±. Animal Reproduction Science, 2008, 108, 180-195.	1.5	30
220	Hyaluronic acid delays boar sperm capacitation after 3 days of storage at 15Â°C. Animal Reproduction Science, 2008, 109, 236-250.	1.5	29
221	Boar sperm quality after co-culture with homologous oviductal epithelial cells. Theriogenology, 2008, 70, 1395.	2.1	1
222	Valuable boar sperm parameters when searching for freezability traits. Theriogenology, 2008, 70, 1396.	2.1	1
223	Effects of cryopreservation on semen quality and the expression of sperm membrane hexose transporters in the spermatozoa of Iberian pigs. Reproduction, 2007, 134, 111-121.	2.6	53
224	Effect of culture conditions on the obtention of boar epididymal epithelial cell monolayers. Animal Reproduction Science, 2006, 95, 262-272.	1.5	3
225	Effects of exposing boars to different artificial light regimens on semen plasma markers and â€œin vivoâ€• fertilizing capacity. Theriogenology, 2006, 65, 317-331.	2.1	15
226	Structural and ultrastructural features of boar bulbourethral glands. Tissue and Cell, 2006, 38, 7-18.	2.2	18
227	Structural and ultrastructural features of boar seminal vesicles. Tissue and Cell, 2006, 38, 79-91.	2.2	13
228	OC1 Effects of Cryopreservation on the Expression of Glut-3, Glut-5 and As-A Proteins in Iberian Boar Sperm Membranes. Reproduction in Domestic Animals, 2006, 41, 103-103.	1.4	1
229	Development of a protocol for multiple staining with fluorochromes to assess the functional status of boar spermatozoa. Microscopy Research and Technique, 2005, 68, 277-283.	2.2	43
230	Section 7 abstracts. Theriogenology, 2005, 63, 679-684.	2.1	0
231	Effects of a high semen-collection frequency on the quality of sperm from ejaculates and from six epididymal regions in boars. Theriogenology, 2005, 63, 2219-2232.	2.1	38
232	Evaluation of boar sperm maturation after co-incubation with caput, corpus and cauda epididymal cultures. Theriogenology, 2005, 64, 1995-2009.	2.1	8
233	In vitro culture of epithelial cells from the caput, corpus, and cauda epididymis of Sus domesticus. Theriogenology, 2004, 62, 929-942.	2.1	10
234	Semen quality of postpubertal boars during increasing and decreasing natural photoperiods. Theriogenology, 2004, 62, 1271-1282.	2.1	70