

# Heriberto Rodriguez-Martinez

## List of Publications by Year in descending order

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497  
papers

15,420  
citations

17405

63  
h-index

46693

89  
g-index

510  
all docs

510  
docs citations

510  
times ranked

6574  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seminal Plasma Proteins: What Role Do They Play?. American Journal of Reproductive Immunology, 2011, 66, 11-22.	1.2	284
2	The Human Fetal Placenta Promotes Tolerance against the Semiallogeneic Fetus by Inducing Regulatory T Cells and Homeostatic M2 Macrophages. Journal of Immunology, 2015, 194, 1534-1544.	0.4	232
3	Laboratory Semen Assessment and Prediction of Fertility: still Utopia?*. Reproduction in Domestic Animals, 2003, 38, 312-318.	0.6	227
4	Antioxidant supplementation in vitro improves boar sperm motility and mitochondrial membrane potential after cryopreservation of different fractions of the ejaculate. Animal Reproduction Science, 2003, 78, 85-98.	0.5	211
5	Subtle membrane changes in cryopreserved bull semen in relation with sperm viability, chromatin structure, and field fertility. Theriogenology, 2003, 60, 743-758.	0.9	200
6	Molecular Basis for the Dominant White Phenotype in the Domestic Pig. Genome Research, 1998, 8, 826-833.	2.4	195
7	Boar spermatozoa in the oviduct. Theriogenology, 2005, 63, 514-535.	0.9	184
8	Assessment of fresh and frozen-thawed boar semen using an Annexin-V assay: a new method of evaluating sperm membrane integrity. Theriogenology, 2003, 60, 677-689.	0.9	182
9	Role of the oviduct in sperm capacitation. Theriogenology, 2007, 68, S138-S146.	0.9	175
10	Lipid peroxidation, assessed with BODIPY-C11, increases after cryopreservation of stallion spermatozoa, is stallion-dependent and is related to apoptotic-like changes. Reproduction, 2009, 138, 55-63.	1.1	146
11	Capacitation status and in vitro fertility of boar spermatozoa: effects of seminal plasma, cumulus-oocyte-complexes-conditioned medium and hyaluronan. Journal of Developmental and Physical Disabilities, 2002, 25, 84-93.	3.6	142
12	Flow cytometry for the assessment of animal sperm integrity and functionality: state of the art. Asian Journal of Andrology, 2011, 13, 406-419.	0.8	134
13	Effects of equex STM paste on viability of frozen-thawed dog spermatozoa during in vitro incubation at 38 °C. Theriogenology, 1997, 47, 1093-1101.	0.9	131
14	Sperm characteristics and zona pellucida binding in relation to field fertility of frozen-thawed semen from dairy AI bulls. Journal of Developmental and Physical Disabilities, 1998, 21, 207-216.	3.6	115
15	Mitochondria in Mammalian Sperm Physiology and Pathology: A Review. Reproduction in Domestic Animals, 2009, 44, 345-349.	0.6	114
16	State of the art in farm animal sperm evaluation. Reproduction, Fertility and Development, 2007, 19, 91.	0.1	113
17	Assessment of sperm quality through fluorometry and sperm chromatin structure assay in relation to field fertility of frozen-thawed semen from Swedish AI bulls. Theriogenology, 2001, 55, 947-961.	0.9	108
18	Identification of Sperm Morphometric Subpopulations in Two Different Portions of the Boar Ejaculate and Its Relation to Postthaw Quality. Journal of Andrology, 2005, 26, 716-723.	2.0	105

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19	Production of Piglets Derived from In Vitro-Produced Blastocysts Fertilized and Cultured in Chemically Defined Media: Effects of Theophylline, Adenosine, and Cysteine During In Vitro Fertilization. <i>Biology of Reproduction</i> , 2003, 69, 2092-2099.	1.2	102
20	Capacitation of mammalian spermatozoa in vivo, with a specific focus on events in the fallopian tubes. <i>Molecular Reproduction and Development</i> , 2004, 67, 243-250.	1.0	101
21	Can we use in vitro fertilization tests to predict semen fertility?. <i>Animal Reproduction Science</i> , 2000, 60-61, 327-336.	0.5	100
22	Influence of extender, temperature, and addition of glycerol on post-thaw sperm parameters in ram semen. <i>Theriogenology</i> , 2003, 59, 1241-1255.	0.9	100
23	Effect of hyaluronan on monospermic penetration of porcine oocytes fertilized in vitro. <i>Journal of Developmental and Physical Disabilities</i> , 2000, 23, 13-21.	3.6	95
24	Sperm capacitation in the porcine oviduct. <i>Animal Reproduction Science</i> , 2004, 80, 131-146.	0.5	94
25	Inhibition of the mitochondrial permeability transition pore reduces apoptosis like changes during cryopreservation of stallion spermatozoa. <i>Theriogenology</i> , 2010, 74, 458-465.	0.9	94
26	Effect of freezing and thawing rates on the post-thaw viability of boar spermatozoa frozen in FlatPacks and Maxi-straws. <i>Animal Reproduction Science</i> , 2000, 63, 205-220.	0.5	93
27	Use of chromatin stability assay, mitochondrial stain JC-1, and fluorometric assessment of plasma membrane to evaluate frozen-thawed ram semen. <i>Animal Reproduction Science</i> , 2004, 84, 121-133.	0.5	93
28	Repeat breeding in dairy heifers: follicular dynamics and estrous cycle characteristics in relation to sexual hormone patterns. <i>Theriogenology</i> , 2002, 57, 2257-2269.	0.9	92
29	Kinematic Changes During the Cryopreservation of Boar Spermatozoa. <i>Journal of Andrology</i> , 2005, 26, 610-618.	2.0	92
30	Colloidal centrifugation with Androcoll-E <sup>®</sup> prolongs stallion sperm motility, viability and chromatin integrity. <i>Animal Reproduction Science</i> , 2009, 116, 119-128.	0.5	88
31	Antioxidant supplementation of boar spermatozoa from different fractions of the ejaculate improves cryopreservation: changes in sperm membrane lipid architecture. <i>Zygote</i> , 2004, 12, 117-124.	0.5	87
32	Evaluation of sperm damage and techniques for sperm clean-up. <i>Reproduction, Fertility and Development</i> , 1997, 9, 297.	0.1	87
33	Fertility of ram semen frozen in Bioexcell <sup>®</sup> and used for cervical artificial insemination. <i>Theriogenology</i> , 2003, 59, 1157-1170.	0.9	86
34	Toxicity of glycerol for the stallion spermatozoa: Effects on membrane integrity and cytoskeleton, lipid peroxidation and mitochondrial membrane potential. <i>Theriogenology</i> , 2012, 77, 1280-1289.	0.9	85
35	Effect of cooling rates on post-thaw sperm motility, membrane integrity, capacitation status and fertility of dairy bull semen used for artificial insemination in sweden. <i>Theriogenology</i> , 1999, 52, 641-658.	0.9	83
36	Differences in boar sperm head shape and dimensions recorded by computer-assisted sperm morphometry are not related to chromatin integrity. <i>Theriogenology</i> , 2007, 68, 196-203.	0.9	83

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37	Assessment of sperm characteristics post-thaw and response to calcium ionophore in relation to fertility in Swedish dairy AI bulls. <i>Theriogenology</i> , 2000, 53, 859-875.	0.9	81
38	Distribution, number and membrane integrity of spermatozoa in the pig oviduct in relation to spontaneous ovulation. <i>Animal Reproduction Science</i> , 1996, 45, 109-121.	0.5	79
39	A new and simple method to evaluate early membrane changes in frozen-thawed boar spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , 2005, 28, 107-114.	3.6	79
40	Mitochondrial activity of frozen-thawed spermatozoa assessed by MitoTracker Deep Red 633. <i>Theriogenology</i> , 2005, 63, 2311-2322.	0.9	78
41	Effects of holding time during cooling and of type of package on plasma membrane integrity, motility and in vitro oocyte penetration ability of frozen-thawed boar spermatozoa. <i>Theriogenology</i> , 2001, 55, 1593-1605.	0.9	77
42	Acidification of epididymal fluid in the boar. <i>Journal of Developmental and Physical Disabilities</i> , 1990, 13, 238-243.	3.6	76
43	Morphology and Chromatin Integrity of Stallion Spermatozoa Prepared by Density Gradient and Single Layer Centrifugation Through Silica Colloids. <i>Reproduction in Domestic Animals</i> , 2009, 44, 512-517.	0.6	75
44	Relationship between the proportion of capacitated spermatozoa present in frozen-thawed bull semen and fertility with artificial insemination. <i>Journal of Developmental and Physical Disabilities</i> , 1999, 22, 366-373.	3.6	74
45	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> , 1999, 57, 199-215.	0.5	74
46	Characterization of the porcine seminal plasma proteome comparing ejaculate portions. <i>Journal of Proteomics</i> , 2016, 142, 15-23.	1.2	74
47	Prediction of bull fertility by combined in vitro assessments of frozen-thawed semen from young dairy bulls entering an AI-programme. <i>Journal of Developmental and Physical Disabilities</i> , 1999, 22, 253-260.	3.6	73
48	Sperm morphology and chromatin integrity in Swedish warmblood stallions and their relationship to pregnancy rates. <i>Acta Veterinaria Scandinavica</i> , 2008, 50, 2.	0.5	73
49	Sperm morphology and fertility of progeny-tested AI dairy bulls in Sweden. <i>Theriogenology</i> , 2008, 70, 682-691.	0.9	73
50	Apoptotic markers can be used to forecast the freezeability of stallion spermatozoa. <i>Animal Reproduction Science</i> , 2009, 114, 393-403.	0.5	73
51	Usefulness of a triple fluorochrome combination Merocyanine 540/Yo-Pro 1/Hoechst 33342 in assessing membrane stability of viable frozen-thawed spermatozoa from Estonian Holstein AI bulls. <i>Theriogenology</i> , 2006, 65, 1122-1136.	0.9	72
52	Field fertility with exported boar semen frozen in the new FlatPack container. <i>Theriogenology</i> , 2002, 58, 1065-1079.	0.9	71
53	A serum-free, cell-free culture system for development of bovine one-cell embryos up to blastocyst stage with improved viability. <i>Theriogenology</i> , 1994, 41, 1033-1043.	0.9	70
54	Relationship between embryo development in vitro and 56-day nonreturn rates of cows inseminated with frozen-thawed semen from dairy bulls. <i>Theriogenology</i> , 1997, 48, 221-231.	0.9	70

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55	Feasibility of a Nylon-Mesh Holder for Vitrification of Bovine Germinal Vesicle Oocytes in Subsequent Production of Viable Blastocysts1. <i>Biology of Reproduction</i> , 2005, 72, 1416-1420.	1.2	69
56	Phosphorylated AKT preserves stallion sperm viability and motility by inhibiting caspases 3 and 7. <i>Reproduction</i> , 2014, 148, 221-235.	1.1	69
57	Zona Reaction in Porcine Oocytes Fertilized In Vivo and In Vitro as Seen with Scanning Electron Microscopy1. <i>Biology of Reproduction</i> , 2000, 63, 1437-1442.	1.2	67
58	Morphological features of lipid droplet transition during porcine oocyte fertilisation and early embryonic development to blastocyst in vivo and in vitro. <i>Zygote</i> , 2002, 10, 355-366.	0.5	67
59	Fertility after deep intra-uterine artificial insemination of concentrated low-volume boar semen doses. <i>Theriogenology</i> , 2006, 65, 773-787.	0.9	66
60	Effect of storage in short- and long-term commercial semen extenders on the motility, plasma membrane and chromatin integrity of boar spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , 2006, 29, 543-552.	3.6	66
61	Effect of Cryopreservation on Nitric Oxide Production by Stallion Spermatozoa1. <i>Biology of Reproduction</i> , 2009, 81, 1106-1111.	1.2	66
62	Differences in SCSA outcome among boars with different sperm freezability. <i>Journal of Developmental and Physical Disabilities</i> , 2006, 29, 583-591.	3.6	65
63	Can We Increase the Estimative Value of Semen Assessment?*. <i>Reproduction in Domestic Animals</i> , 2006, 41, 2-10.	0.6	65
64	Identification of Sperm Subpopulations in Stallion Ejaculates: Changes after Cryopreservation and Comparison with Traditional Statistics. <i>Reproduction in Domestic Animals</i> , 2009, 44, 419-423.	0.6	65
65	Low maternal nutrition during pregnancy reduces the number of Sertoli cells in the newborn lamb. <i>Reproduction, Fertility and Development</i> , 2002, 14, 333.	0.1	64
66	Zootechnical Performance of Cloned Cattle and Offspring: Preliminary Results. <i>Cloning and Stem Cells</i> , 2004, 6, 111-120.	2.6	64
67	Do different portions of the boar ejaculate vary in their ability to sustain cryopreservation?. <i>Animal Reproduction Science</i> , 2006, 93, 101-113.	0.5	64
68	Comparison of density gradient and single layer centrifugation of stallion spermatozoa: Yield, motility and survival. <i>Equine Veterinary Journal</i> , 2009, 41, 53-58.	0.9	63
69	Exposure to the seminal plasma of different portions of the boar ejaculate modulates the survival of spermatozoa cryopreserved in MiniFlatPacks. <i>Theriogenology</i> , 2009, 71, 662-675.	0.9	63
70	Single-layer centrifugation with Androcoll-E can be scaled up to allow large volumes of stallion ejaculate to be processed easily. <i>Theriogenology</i> , 2009, 72, 879-884.	0.9	63
71	Centrifugation on a single layer of colloid selects improved quality spermatozoa from frozen-thawed stallion semen. <i>Animal Reproduction Science</i> , 2009, 114, 193-202.	0.5	63
72	Boar Differences In Artificial Insemination Outcomes: Can They Be Minimized?. <i>Reproduction in Domestic Animals</i> , 2015, 50, 48-55.	0.6	62

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73	Changes in sperm ultrastructure and localisation in the porcine oviduct around ovulation. <i>Animal Reproduction Science</i> , 1997, 47, 137-148.	0.5	60
74	Effect of induced suprabasal progesterone levels around estrus on plasma concentrations of progesterone, estradiol-17 $\beta$ and LH in heifers. <i>Theriogenology</i> , 1994, 42, 1159-1169.	0.9	59
75	Ovulation as Determined by Transrectal Ultrasonography in Multiparous Sows: Relationships with Oestrous Symptoms and Hormonal Profiles. <i>Transboundary and Emerging Diseases</i> , 1995, 42, 285-292.	0.6	59
76	Comparative Effects of Autologous and Homologous Seminal Plasma on the Viability of Largely Extended Boar Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2004, 39, 370-375.	0.6	59
77	Membrane Lipids of the Stallion Spermatozoon in Relation to Sperm Quality and Susceptibility to Lipid Peroxidation. <i>Reproduction in Domestic Animals</i> , 2011, 46, 141-148.	0.6	59
78	Will AI in pigs become more efficient?. <i>Theriogenology</i> , 2016, 86, 187-193.	0.9	59
79	Extracellular vesicles isolated from porcine seminal plasma exhibit different tetraspanin expression profiles. <i>Scientific Reports</i> , 2019, 9, 11584.	1.6	59
80	Immunoelectronmicroscopic imaging of spermadhesin AWN epitopes on boar spermatozoa bound in vivo to the zona pellucida. <i>Reproduction, Fertility and Development</i> , 1998, 10, 491.	0.1	57
81	Ultrastructure of the Uterotubal Junction in Preovulatory Pigs. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 1990, 19, 16-36.	0.3	56
82	High total antioxidant capacity of the porcine seminal plasma (SP-TAC) relates to sperm survival and fertility. <i>Scientific Reports</i> , 2015, 5, 18538.	1.6	56
83	Seminal Plasma: Relevant for Fertility?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4368.	1.8	56
84	Spermadhesin PSP-I/PSP-II heterodimer induces migration of polymorphonuclear neutrophils into the uterine cavity of the sow. <i>Journal of Reproductive Immunology</i> , 2010, 84, 57-65.	0.8	55
85	Approaches Towards Efficient Use of Boar Semen in the Pig Industry. <i>Reproduction in Domestic Animals</i> , 2011, 46, 79-83.	0.6	54
86	Seminal plasma antioxidants are directly involved in boar sperm cryotolerance. <i>Theriogenology</i> , 2018, 107, 27-35.	0.9	54
87	Expression of Immune Regulatory Genes in the Porcine Internal Genital Tract Is Differentially Triggered by Spermatozoa and Seminal Plasma. <i>International Journal of Molecular Sciences</i> , 2019, 20, 513.	1.8	54
88	Localization and quantitation of hyaluronan and sulfated glycosaminoglycans in the tissues and intraluminal fluid of the pig oviduct. <i>Reproduction, Fertility and Development</i> , 2000, 12, 173.	0.1	53
89	Deep freezing of concentrated boar semen for intra-uterine insemination: effects on sperm viability. <i>Theriogenology</i> , 2005, 63, 1320-1333.	0.9	53
90	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, 111-121.	1.1	53

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91	<i>In vitro</i> Fertilizing Capacity of Frozenâ€thawed Bull Spermatozoa Selected by Singleâ€layer (Glycidoxypropyltrimethoxysilane) Silaneâ€coated Silica Colloidal Centrifugation. <i>Reproduction in Domestic Animals</i> , 2009, 44, 390-394.	0.6	53
92	Practical Applications of Sperm Selection Techniques as a Tool for Improving Reproductive Efficiency. <i>Veterinary Medicine International</i> , 2011, 2011, 1-9.	0.6	51
93	Breeding soundness evaluation of extensively managed bulls in Costa Rica. <i>Theriogenology</i> , 1999, 52, 221-231.	0.9	50
94	New In-Depth Analytical Approach of the Porcine Seminal Plasma Proteome Reveals Potential Fertility Biomarkers. <i>Journal of Proteome Research</i> , 2018, 17, 1065-1076.	1.8	50
95	Nuclear chromatin decondensation of spermatozoa in vitro: a method for evaluating the fertilizing ability of ovine semen. <i>Journal of Developmental and Physical Disabilities</i> , 1985, 8, 147-158.	3.6	49
96	Influence of seminal plasma on the kinematics of boar spermatozoa during freezing. <i>Theriogenology</i> , 2008, 70, 1242-1250.	0.9	49
97	Boar sperm cryosurvival is better after exposure to seminal plasma from selected fractions than to those from entire ejaculate. <i>Cryobiology</i> , 2014, 69, 203-210.	0.3	49
98	Fatty acids and plasmalogens of the phospholipids of the sperm membranes and their relation with the post-thaw quality of stallion spermatozoa. <i>Theriogenology</i> , 2011, 75, 811-818.	0.9	48
99	Assessment of ram sperm membrane integrity following different thawing procedures. <i>Theriogenology</i> , 1997, 48, 1115-1125.	0.9	46
100	Insulin-like growth factor-I in the porcine endometrium and placenta: Localization and concentration in relation to steroid influence during early pregnancy. <i>Animal Reproduction Science</i> , 1997, 46, 261-281.	0.5	46
101	Functional Sperm Parameters and Fertility of Bull Semen Extended in Biociphos-PlusR and TriladyLR. <i>Reproduction in Domestic Animals</i> , 2000, 35, 69-77.	0.6	46
102	Does the Microbial Flora in the Ejaculate Affect the Freezeability of Stallion Sperm?. <i>Reproduction in Domestic Animals</i> , 2009, 44, 518-522.	0.6	46
103	On the Origin of Indonesian Cattle. <i>PLoS ONE</i> , 2009, 4, e5490.	1.1	46
104	Influence of centrifugation and different extenders on post-thaw sperm quality of ram semen. <i>Theriogenology</i> , 2000, 54, 93-108.	0.9	45
105	Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?. <i>Theriogenology</i> , 2005, 64, 305-316.	0.9	45
106	Singleâ€layer Centrifugation Through Colloid Positively Modifies the Sperm Subpopulation Structure of Frozenâ€Thawed Stallion Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2009, 44, 523-526.	0.6	45
107	Single layer centrifugation of stallion spermatozoa consistently selects the most robust spermatozoa from the rest of the ejaculate in a large sample size. <i>Equine Veterinary Journal</i> , 2010, 42, 579-585.	0.9	45
108	Banteng and Bali Cattle in Indonesia: Status and Forecasts. <i>Reproduction in Domestic Animals</i> , 2012, 47, 2-6.	0.6	45

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109	Fine Structure of Bovine Blastocysts Developed Either in Serum-Free Medium or in Conventional Culture With Oviduct Epithelial Cells. <i>Transboundary and Emerging Diseases</i> , 1994, 41, 307-316.	0.6	44
110	Monoclonal Antibodies against Boar Sperm Zona Pellucida-Binding Protein AWN-1. Characterization of a Continuous Antigenic Determinant and Immunolocalization Of AWN Epitopes in Inseminated Sows. <i>Biology of Reproduction</i> , 1997, 57, 735-742.	1.2	44
111	Immunolocalization and Possible Functional Role of PSP-I/PSP-II Heterodimer in Highly Extended Boar Spermatozoa. <i>Journal of Andrology</i> , 2006, 27, 766-773.	2.0	44
112	Fertilization and Early Embryonic Development in the Porcine Fallopian Tube. <i>Reproduction in Domestic Animals</i> , 2008, 43, 245-251.	0.6	44
113	Short- and long-term effects of immunization against gonadotropin-releasing hormone, using Improvac, on sexual maturity, reproductive organs and sperm morphology in male pigs. <i>Theriogenology</i> , 2009, 71, 302-310.	0.9	44
114	Dissimilarities in sows' ovarian status at the insemination time could explain differences in fertility between farms when frozen-thawed semen is used. <i>Theriogenology</i> , 2006, 65, 669-680.	0.9	43
115	Computer-assisted analysis of sperm motion in goats and its relationship with sperm migration in cervical mucus. <i>Theriogenology</i> , 2006, 66, 860-867.	0.9	43
116	Assessment of Sperm Viability by Measurement of ATP, Membrane Integrity and Motility in Frozen/Thawed Bull Semen. <i>Acta Veterinaria Scandinavica</i> , 1995, 36, 571-574.	0.5	43
117	Morphology of Normal and Osteochondrotic Porcine Articular-Epiphyseal Cartilage. <i>Cells Tissues Organs</i> , 1990, 139, 239-253.	1.3	42
118	Cryopreservation of Boar Semen in Mini- and Maxi-straws. <i>Transboundary and Emerging Diseases</i> , 1990, 37, 651-658.	0.6	42
119	Changes in plasma membrane and acrosome integrity of frozen-thawed bovine spermatozoa during a 4h incubation as measured by multicolor flow cytometry. <i>Animal Reproduction Science</i> , 2004, 80, 225-235.	0.5	42
120	The Mitochondria of Stallion Spermatozoa Are More Sensitive Than the Plasmalemma to Osmotic-Induced Stress: Role of c-Jun N-terminal Kinase (JNK) Pathway. <i>Journal of Andrology</i> , 2012, 33, 105-113.	2.0	42
121	Assisted Reproductive Techniques for Cattle Breeding in Developing Countries: A Critical Appraisal of Their Value and Limitations. <i>Reproduction in Domestic Animals</i> , 2012, 47, 21-26.	0.6	42
122	Spontaneous motility of the oviduct in the anaesthetized pig. <i>Reproduction</i> , 1982, 66, 615-624.	1.1	41
123	Assessment of the efficacy of Sephadex G-15 filtration of bovine spermatozoa for cryopreservation. <i>Theriogenology</i> , 2005, 63, 160-178.	0.9	41
124	In vitro capacitation of bull spermatozoa by oviductal fluid and its components. <i>Zygote</i> , 2006, 14, 259-273.	0.5	41
125	Depletion of Intracellular Thiols and Increased Production of 4-Hydroxynonenal that Occur During Cryopreservation of Stallion Spermatozoa Lead to Caspase Activation, Loss of Motility, and Cell Death. <i>Biology of Reproduction</i> , 2015, 93, 143.	1.2	40
126	The Proteome of Pig Spermatozoa Is Remodeled During Ejaculation. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 41-50.	2.5	40



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127	Effect of hyaluronan supplementation on boar sperm motility and membrane lipid architecture status after cryopreservation. <i>Theriogenology</i> , 2004, 61, 63-70.	0.9	39
128	Adrenocortical toxicity of 3-methylsulfonyl-DDE in mice II. Mitochondrial changes following ecologically relevant doses. <i>Fundamental and Applied Toxicology</i> , 1991, 16, 365-374.	1.9	38
129	Post-Thaw Motility, ATP Content and Cytochrome C Oxidase Activity of A. I. Bull Spermatozoa in Relation to Fertility. <i>Transboundary and Emerging Diseases</i> , 1991, 38, 165-174.	0.6	38
130	Fertilizing capacity of bovine spermatozoa selected after swim-up in hyaluronic acid-containing medium. <i>Reproduction, Fertility and Development</i> , 1993, 5, 307.	0.1	38
131	Influence of perioestrous suprabasal progesterone levels on cycle length, oestrous behaviour and ovulation in heifers. <i>Animal Reproduction Science</i> , 1995, 37, 95-108.	0.5	38
132	Transvaginal collection and ultrastructure of Llama ( ) oocytes. <i>Theriogenology</i> , 2000, 54, 1269-1279.	0.9	38
133	Does cleansing of frozen-thawed bull semen before assessment provide samples that relate better to potential fertility?. <i>Theriogenology</i> , 2004, 62, 702-713.	0.9	38
134	Effects of hyaluronan, BSA, and serum on bovine embryo in vitro development, ultrastructure, and gene expression patterns. <i>Molecular Reproduction and Development</i> , 2006, 73, 1503-1511.	1.0	38
135	Effects of Straw Volume and Equex <sup>®</sup> on Boar Sperm Quality after Cryopreservation. <i>Reproduction in Domestic Animals</i> , 2009, 44, 69-73.	0.6	38
136	Cryosurvival of Dog Spermatozoa at Different Glycerol Concentrations and Freezing/Thawing Rates. <i>Reproduction in Domestic Animals</i> , 1998, 33, 355-361.	0.6	37
137	Effect of ACTH-challenge on progesterone and cortisol levels in ovariectomised repeat breeder heifers. <i>Animal Reproduction Science</i> , 2000, 63, 65-76.	0.5	37
138	Membrane Damage during Dilution, Cooling and Freezing/Thawing of Boar Spermatozoa Packaged in Plastic Bags. <i>Transboundary and Emerging Diseases</i> , 1994, 41, 37-47.	0.6	36
139	Sperm chromatin stability in frozen-thawed semen is maintained over age in AI bulls. <i>Theriogenology</i> , 2005, 63, 1752-1763.	0.9	36
140	Advances in Boar Semen Cryopreservation. <i>Veterinary Medicine International</i> , 2011, 2011, 1-5.	0.6	36
141	Effect of repeated ACTH-stimulation on early embryonic development and hormonal profiles in sows. <i>Animal Reproduction Science</i> , 2002, 70, 127-137.	0.5	35
142	Boar semen proteomics and sperm preservation. <i>Theriogenology</i> , 2019, 137, 23-29.	0.9	35
143	Glutathione Peroxidase 5 Is Expressed by the Entire Pig Male Genital Tract and Once in the Seminal Plasma Contributes to Sperm Survival and In Vivo Fertility. <i>PLoS ONE</i> , 2016, 11, e0162958.	1.1	35
144	In vitro maturation and glutathione synthesis of porcine oocytes in the presence or absence of cysteamine under different oxygen tensions: role of cumulus cells. <i>Reproduction, Fertility and Development</i> , 2002, 14, 125.	0.1	34

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145	Two different schemes of twice-weekly ovum pick-up in dairy heifers: effect on oocyte recovery and ovarian function. <i>Theriogenology</i> , 2003, 60, 175-188.	0.9	34
146	Controlled cooling during semen cryopreservation does not induce capacitation of spermatozoa from two portions of the boar ejaculate. <i>Journal of Developmental and Physical Disabilities</i> , 2007, 30, 485-499.	3.6	34
147	Flow Cytometric Chromosomal Sex Sorting of Stallion Spermatozoa Induces Oxidative Stress on Mitochondria and Genomic DNA. <i>Reproduction in Domestic Animals</i> , 2016, 51, 18-25.	0.6	34
148	The CatSper channel modulates boar sperm motility during capacitation. <i>Reproductive Biology</i> , 2017, 17, 69-78.	0.9	34
149	Reproductive Seasonality of Corriedale Rams under Extensive Rearing Conditions. <i>Acta Veterinaria Scandinavica</i> , 1997, 38, 109-117.	0.5	34
150	Induction of ovulation with gonadotropin-releasing hormone during proestrus in cattle: influence on subsequent follicular growth and luteal function. <i>Animal Reproduction Science</i> , 1999, 55, 91-105.	0.5	33
151	Does Seminal Plasma PSP&#x2013;Spermadhesin Modulate the Ability of Boar Spermatozoa to Penetrate Homologous Oocytes In Vitro?. <i>Journal of Andrology</i> , 2004, 25, 1004-1012.	2.0	33
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154	Spontaneous Motility of the Pig Oviduct in vitro. <i>Biology of Reproduction</i> , 1982, 26, 98-104.	1.2	32
155	Uterine motility in the cow during the estrous cycle. I. Spontaneous activity. <i>Theriogenology</i> , 1987, 27, 337-348.	0.9	32
156	The Effect of Repeated Follicular Puncture on Ovarian Function in Dairy Heifers. <i>Transboundary and Emerging Diseases</i> , 2000, 47, 627-640.	0.6	32
157	Effects of cysteamine, FSH and estradiol-17â&#x2013;2 on in vitro maturation of porcine oocytes. <i>Theriogenology</i> , 2001, 55, 867-876.	0.9	32
158	Hyaluronan and its binding proteins in the epithelium and intraluminal fluid of the bovine oviduct. <i>Zygote</i> , 2005, 13, 207-218.	0.5	32
159	Adjustments in IVF system for individual boars: Value of additives and time of sperm&#x2013;oocyte co-incubation. <i>Theriogenology</i> , 2005, 64, 1783-1796.	0.9	32
160	Seasonal variation in semen quality of swamp buffalo bulls ( <i>Bubalus bubalis</i> ) in Thailand. <i>Asian Journal of Andrology</i> , 2007, 9, 92-101.	0.8	32
161	Colloidal Centrifugation of Stallion Semen: Changes in Sperm Motility, Velocity, and Chromatin Integrity during Storage. <i>Journal of Equine Veterinary Science</i> , 2009, 29, 24-32.	0.4	32
162	New Methods for Selecting Stallion Spermatozoa for Assisted Reproduction. <i>Journal of Equine Veterinary Science</i> , 2011, 31, 536-541.	0.4	32

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164	The physiological roles of the boar ejaculate. <i>Society of Reproduction and Fertility Supplement</i> , 2009, 66, 1-21.	0.2	32
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175	Detection of early changes in sperm membrane integrity pre-freezing can estimate post-thaw quality of boar spermatozoa. <i>Animal Reproduction Science</i> , 2007, 97, 74-83.	0.5	30
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177	Effects of early vaccination with Improvac® on the development and function of reproductive organs of male pigs. <i>Animal Reproduction Science</i> , 2011, 127, 50-55.	0.5	30
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179	Sperm chromatin structure and sperm morphology: Their association with fertility in AI-dairy Ayrshire sires. <i>Theriogenology</i> , 2013, 79, 1153-1161.	0.9	30
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182	Effects of Repeated Follicular Punctures on Ovarian Morphology and Endocrine Parameters in Dairy Heifers. <i>Transboundary and Emerging Diseases</i> , 2001, 48, 449-463.	0.6	29
183	Short estrous cycles and estrous signs after premature ovulations induced with cloprostenol and gonadotropin-releasing hormone in cyclic dairy cows. <i>Theriogenology</i> , 2002, 58, 1291-1302.	0.9	29
184	Influence of seminal plasma PSP-I/PSP-II spermadhesin on pig gamete interaction. <i>Zygote</i> , 2005, 13, 11-16.	0.5	29
185	Assessment of motility of ejaculated, liquid-stored boar spermatozoa using computerized instruments. <i>Theriogenology</i> , 2008, 69, 1129-1138.	0.9	29
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202	Seasonal variations in testicular consistency, scrotal circumference and spermiogramme parameters of extensively reared Brahman ( <i>Bos indicus</i> ) bulls in the tropics. <i>Theriogenology</i> , 2002, 58, 41-50.	0.9	26
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205	Sperm Viability in Ram Semen Diluted and Stored in Three Different Extenders. <i>Acta Veterinaria Scandinavica</i> , 1999, 40, 1-9.	0.5	26
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240	Cryo-scanning electron microscopy (Cryo-SEM) of semen frozen in medium-straws from good and sub-standard freezer AI-boars. <i>Cryobiology</i> , 2007, 54, 63-70.	0.3	21
241	Flow cytometry in Spermatology: A bright future ahead. <i>Reproduction in Domestic Animals</i> , 2017, 52, 921-931.	0.6	21
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267	Do Cytoplasmic Lipid Droplets Accumulate in Immature Oocytes from Over-Conditioned Repeat Breeder Dairy Heifers?. <i>Reproduction in Domestic Animals</i> , 2009, 45, e194-8.	0.6	18
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272	Effects of ACTH injections during estrus on concentrations and patterns of progesterone, estradiol, LH, and inhibin I $\pm$ and time of ovulation in the sow. <i>Domestic Animal Endocrinology</i> , 2007, 32, 122-137.	0.8	17
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278	Onset of Spermatogenesis in Corriedale Ram Lambs under Extensive Rearing Conditions in Uruguay. <i>Acta Veterinaria Scandinavica</i> , 1995, 36, 161-173.	0.5	17
279	Sperm binding capacity and ultrastructure of the zona pellucida of stored canine oocytes. <i>Reproduction</i> , 2000, , 77-83.	1.1	17
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281	Canine Sperm Head Damage after Freezing&Thawing: Ultrastructural Evaluation and Content of Selected Elements. <i>Reproduction in Domestic Animals</i> , 1998, 33, 77-82.	0.6	16
282	Sperm binding capacity and ultrastructure of the zona pellucida of stored canine oocytes. <i>Reproduction</i> , 2000, 119, 77-83.	1.1	16
283	Prediction of the Oocyte Recovery Rate in the Bitch. <i>Transboundary and Emerging Diseases</i> , 2001, 48, 587-592.	0.6	16
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442	Three-to-5-day weaning-to-estrus intervals do not affect neither efficiency of collection nor in vitro developmental ability of in vivo-derived pig zygotes. <i>Theriogenology</i> , 2020, 141, 48-53.	0.9	3
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445	N-(2-mercaptopropionyl)-glycine enhances in vitro pig embryo production and reduces oxidative stress. <i>Scientific Reports</i> , 2020, 10, 18632.	1.6	3
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