Emilio A Martinez

List of Publications by Year
in descending order

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220 papers	7,320 citations	50276 46 h-index	91884 69 g-index
227 all docs	227 docs citations	227 times ranked	3719 citing authors

#	Article	IF	Citations
1	Interspecies Chimerism with Mammalian Pluripotent Stem Cells. Cell, 2017, 168, 473-486.e15.	28.9	397
2	Boar spermatozoa in the oviduct. Theriogenology, 2005, 63, 514-535.	2.1	184
3	Modulation of The Oviductal Environment by Gametes. Journal of Proteome Research, 2007, 6, 4656-4666.	3.7	132
4	Survival and Fertility of Boar Spermatozoa After Freezeâ€Thawing in Extender Supplemented With Butylated Hydroxytoluene. Journal of Andrology, 2004, 25, 397-405.	2.0	128
5	Advances in Swine In Vitro Embryo Production Technologies. Reproduction in Domestic Animals, 2010, 45, 40-48.	1.4	121
6	Factors influencing boar sperm cryosurvival1. Journal of Animal Science, 2006, 84, 2692-2699.	0.5	120
7	Effects of Centrifugation Before Freezing on Boar Sperm Cryosurvival. Journal of Andrology, 2004, 25, 389-396.	2.0	116
8	Influence of Porcine Spermadhesins on the Susceptibility of Boar Spermatozoa to High Dilution1. Biology of Reproduction, 2003, 69, 640-646.	2.7	106
9	Fertility of weaned sows after deep intrauterine insemination with a reduced number of frozen-thawed spermatozoa. Theriogenology, 2003, 60, 77-87.	2.1	103
10	The battle of the sexes starts in the oviduct: modulation of oviductal transcriptome by X and Y-bearing spermatozoa. BMC Genomics, 2014, 15, 293.	2.8	101
11	Cryosurvival and In Vitro Fertilizing Capacity Postthaw Is Improved When Boar Spermatozoa Are Frozen in the Presence of Seminal Plasma From Good Freezer Boars. Journal of Andrology, 2007, 28, 689-697.	2.0	94
12	Seminal Plasma Proteins as Modulators of the Sperm Function and Their Application in Sperm Biotechnologies. Reproduction in Domestic Animals, 2012, 47, 12-21.	1.4	93
13	Kinematic Changes During the Cryopreservation of Boar Spermatozoa. Journal of Andrology, 2005, 26, 610-618.	2.0	92
14	Minimum number of spermatozoa required for normal fertility after deep intrauterine insemination in non-sedated sows. Reproduction, 2002, 123, 163-170.	2.6	90
15	Hypoosmotic swelling of boar spermatozoa compared to other methods for analysing the sperm membrane. Theriogenology, 1997, 47, 913-922.	2.1	86
16	Selection of immature pig oocytes for homologous in vitro penetration assays with the brilliant cresyl blue test. Reproduction, Fertility and Development, 1998, 10, 479.	0.4	86
17	Successful non-surgical deep intrauterine insemination with small numbers of spermatozoa in sows. Reproduction, 2001, 122, 289-296.	2.6	86
18	Viability and fertility of rabbit spermatozoa diluted in Tris-buffer extenders and stored at 15Â°C. Animal Reproduction Science, 2000, 64, 103-112.	1.5	82

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19	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. Theriogenology, 2001, 55, 1593-1605.	2.1	77
20	Survival and in vitro fertility of boar spermatozoa frozen in the presence of superoxide dismutase and/or catalase. Journal of Andrology, 2005, 26, 15-24.	2.0	77
21	Adjustments on the cryopreservation conditions reduce the incidence of boar ejaculates with poor sperm freezability. Theriogenology, 2007, 67, 1436-1445.	2.1	76
22	Characterization of the porcine seminal plasma proteome comparing ejaculate portions. Journal of Proteomics, 2016, 142, 15-23.	2.4	74
23	Birth of piglets after deep intrauterine insemination with flow cytometrically sorted boar spermatozoa. Theriogenology, 2003, 59, 1605-1614.	2.1	71
24	Early Developing Pig Embryos Mediate Their Own Environment in the Maternal Tract. PLoS ONE, 2012, 7, e33625.	2.5	70
25	Challenges in Pig Artificial Insemination. Reproduction in Domestic Animals, 2006, 41, 43-53.	1.4	66
26	Vitrification of porcine embryos at various developmental stages using different ultra-rapid cooling procedures. Theriogenology, 2004, 62, 353-361.	2.1	65
27	Successful nonsurgical deep uterine embryo transfer in pigs. Theriogenology, 2004, 61, 137-146.	2.1	65
28	Differences in SCSA outcome among boars with different sperm freezability. Journal of Developmental and Physical Disabilities, 2006, 29, 583-591.	3.6	65
29	Boar Differences In Artificial Insemination Outcomes: Can They Be Minimized?. Reproduction in Domestic Animals, 2015, 50, 48-55.	1.4	62
30	Comparative Effects of Autologous and Homologous Seminal Plasma on the Viability of Largely Extended Boar Spermatozoa. Reproduction in Domestic Animals, 2004, 39, 370-375.	1.4	59
31	Will AI in pigs become more efficient?. Theriogenology, 2016, 86, 187-193.	2.1	59
32	Extracellular vesicles isolated from porcine seminal plasma exhibit different tetraspanin expression profiles. Scientific Reports, 2019, 9, 11584.	3.3	59
33	In vitro development following one-step dilution of OPS-vitrified porcine blastocysts. Theriogenology, 2004, 62, 1144-1152.	2.1	58
34	Improving the efficiency of sperm technologies in pigs: the value of deep intrauterine insemination. Theriogenology, 2005, 63, 536-547.	2.1	56
35	Piglets born after non-surgical deep intrauterine transfer of vitrified blastocysts in gilts. Animal Reproduction Science, 2005, 85, 275-286.	1.5	56
36	High total antioxidant capacity of the porcine seminal plasma (SP-TAC) relates to sperm survival and fertility. Scientific Reports, 2015, 5, 18538.	3.3	56

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37	Seminal Plasma: Relevant for Fertility?. International Journal of Molecular Sciences, 2021, 22, 4368.	4.1	56
38	Spermadhesin PSP-I/PSP-II heterodimer induces migration of polymorphonuclear neutrophils into the uterine cavity of the sow. Journal of Reproductive Immunology, 2010, 84, 57-65.	1.9	55
39	PSPâ€I/PSPâ€II spermadhesin exert a decapacitation effect on highly extended boar spermatozoa. Journal of Developmental and Physical Disabilities, 2009, 32, 505-513.	3.6	54
40	Approaches Towards Efficient Use of Boar Semen in the Pig Industry. Reproduction in Domestic Animals, 2011, 46, 79-83.	1.4	54
41	Seminal plasma antioxidants are directly involved in boar sperm cryotolerance. Theriogenology, 2018, 107, 27-35.	2.1	54
42	Major proteins of boar seminal plasma as a tool for biotechnological preservation of spermatozoa. Theriogenology, 2008, 70, 1352-1355.	2.1	52
43	Evaluation of boar spermatozoa penetrating capacity using pig oocytes at the germinal vesicle stage. Theriogenology, 1993, 40, 547-557.	2.1	50
44	New In-Depth Analytical Approach of the Porcine Seminal Plasma Proteome Reveals Potential Fertility Biomarkers. Journal of Proteome Research, 2018, 17, 1065-1076.	3.7	50
45	Hoechst 33342 stain and u.v. laser exposure do not induce genotoxic effects in flow-sorted boar spermatozoa. Reproduction, 2004, 128, 615-621.	2.6	49
46	Boar sperm cryosurvival is better after exposure to seminal plasma from selected fractions than to those from entire ejaculate. Cryobiology, 2014, 69, 203-210.	0.7	49
47	Characteristics and seasonal variations in the semen of Murciano-Granadina goats in the Mediterranean area. Animal Reproduction Science, 1992, 29, 255-262.	1.5	48
48	Effect of the volume of medium and number of oocytes during in vitro fertilization on embryo development in pigs. Theriogenology, 2003, 60, 767-776.	2.1	46
49	Sex-sorting sperm by flow cytometry in pigs: Issues and perspectives. Theriogenology, 2009, 71, 80-88.	2.1	46
50	Improvement of boar sperm cryosurvival by using single-layer colloid centrifugation prior freezing. Theriogenology, 2012, 78, 1117-1125.	2.1	46
51	Nonsurgical deep uterine transfer of vitrified, in vivo-derived, porcine embryos is as effective as the default surgical approach. Scientific Reports, 2015, 5, 10587.	3.3	46
52	Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?. Theriogenology, 2005, 64, 305-316.	2.1	45
53	Retained Functional Integrity of Bull Spermatozoa after Double Freezing and Thawing Using PureSpermÂ® Density Gradient Centrifugation. Reproduction in Domestic Animals, 2007, 42, 489-494.	1.4	45
54	Successful Non-Surgical Deep Uterine Transfer of Porcine Morulae after 24 Hour Culture in a Chemically Defined Medium. PLoS ONE, 2014, 9, e104696.	2.5	45

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55	Immunolocalization and Possible Functional Role of PSP-I/PSP-II Heterodimer in Highly Extended Boar Spermatozoa. Journal of Andrology, 2006, 27, 766-773.	2.0	44
56	Suitability and effectiveness of single layer centrifugation using Androcoll-P in the cryopreservation protocol for boar spermatozoa. Animal Reproduction Science, 2013, 140, 173-179.	1.5	44
57	Relationship between antral follicle size, oocyte diameters and nuclear maturation of immature oocytes in pigs. Theriogenology, 2002, 58, 871-885.	2.1	43
58	Dissecting the Protective Effect of the Seminal Plasma Spermadhesin PSP-I/PSP-II on Boar Sperm Functionality. Journal of Andrology, 2006, 27, 434-443.	2.0	43
59	Dissimilarities in sowsâ€™ ovarian status at the insemination time could explain differences in fertility between farms when frozen-thawed semen is used. Theriogenology, 2006, 65, 669-680.	2.1	43
60	Factors affecting the success rate of porcine embryo vitrification by the Open Pulled Straw method. Animal Reproduction Science, 2008, 108, 334-344.	1.5	43
61	Detrimental Effects of Non-Functional Spermatozoa on the Freezability of Functional Spermatozoa from Boar Ejaculate. PLoS ONE, 2012, 7, e36550.	2.5	42
62	Treating boar sperm with cholesterol-loaded cyclodextrins widens the sperm osmotic tolerance limits and enhances the in vitro sperm fertilising ability. Animal Reproduction Science, 2011, 129, 209-220.	1.5	41
63	Boar semen variability and its effects on IVF efficiency. Theriogenology, 2008, 70, 1260-1268.	2.1	40
64	Heat-shock protein A8 restores sperm membrane integrity by increasing plasma membrane fluidity. Reproduction, 2014, 147, 719-732.	2.6	40
65	The Proteome of Pig Spermatozoa Is Remodeled During Ejaculation. Molecular and Cellular Proteomics, 2019, 18, 41-50.	3.8	40
66	Effect of short periods of spermâ€“oocyte coincubation during in vitro fertilization on embryo development in pigs. Theriogenology, 2004, 62, 544-552.	2.1	39
67	Effect of the cryoprotectant concentration on the in vitro embryo development and cell proliferation of OPS-vitrified porcine blastocysts. Cryobiology, 2008, 56, 189-194.	0.7	39
68	An update on Reproductive Technologies with Potential Short-Term Application in Pig Production. Reproduction in Domestic Animals, 2005, 40, 300-309.	1.4	38
69	Dead spermatozoa in raw semenÂsamples impair inÂvitro fertilization outcomes of frozen-thawed spermatozoa. Fertility and Sterility, 2013, 100, 875-881.	1.0	38
70	Improving the fertilizing ability of sex sorted boar spermatozoa. Theriogenology, 2007, 68, 771-778.	2.1	37
71	Improving the Efficiency of Insemination with Sexâ€sorted Spermatozoa. Reproduction in Domestic Animals, 2008, 43, 1-8.	1.4	37
72	New developments in low-dose insemination technology. Theriogenology, 2008, 70, 1216-1224.	2.1	37

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73	Recent advances toward the practical application of embryo transfer in pigs. Theriogenology, 2016, 85, 152-161.	2.1	37
74	Evaluation of l-glutamine for cryopreservation of boar spermatozoa. Animal Reproduction Science, 2009, 115, 149-157.	1.5	36
75	Oocyte Penetration by Fresh or Stored Diluted Boar Spermatozoa before and after in Vitro Capacitation Treatments1. Biology of Reproduction, 1996, 55, 134-140.	2.7	35
76	Boar semen proteomics and sperm preservation. Theriogenology, 2019, 137, 23-29.	2.1	35
77	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. PLoS ONE, 2016, 11, e0162958.	2.5	35
78	In vitro fertilization of pig oocytes after different coincubation intervals. Theriogenology, 1993, 39, 1201-1208.	2.1	34
79	Sperm concentration influences fertilization and male pronuclear formation in vitro in pigs. Theriogenology, 1993, 40, 539-546.	2.1	34
80	Differences in the ability of spermatozoa from individual boar ejaculates to withstand different semen-processing techniques. Animal Reproduction Science, 2012, 132, 66-73.	1.5	34
81	Does Seminal Plasma PSPâ€‰/PSPâ€‰ Spermadhesin Modulate the Ability of Boar Spermatozoa to Penetrate Homologous Oocytes In Vitro?. Journal of Andrology, 2004, 25, 1004-1012.	2.0	33
82	The activity of paraoxonase type 1 (<scp>PON</scp>â€‰) in boar seminal plasma and its relationship with sperm quality, functionality, and in vivo fertility. Andrology, 2015, 3, 315-320.	3.5	33
83	Adjustments in IVF system for individual boars: Value of additives and time of spermâ€“oocyte co-incubation. Theriogenology, 2005, 64, 1783-1796.	2.1	32
84	Acrosome reaction of boar spermatozoa in homologous in vitro fertilization. Molecular Reproduction and Development, 1993, 36, 84-88.	2.0	31
85	Motility Characteristics and Fertilizing Capacity of Boar Spermatozoa Stained with Hoechst 33342. Reproduction in Domestic Animals, 2002, 37, 369-374.	1.4	31
86	Incidence of Unilateral Fertilizations after Low Dose Deep Intrauterine Insemination in Spontaneously Ovulating Sows under Field Conditions. Reproduction in Domestic Animals, 2006, 41, 41-47.	1.4	31
87	The effectiveness of the stereomicroscopic evaluation of embryo quality in vitrifiedâ€“warmed porcine blastocysts: An ultrastructural and cell death study. Theriogenology, 2007, 67, 970-982.	2.1	31
88	In vitro maturation of porcine oocytes with retinoids improves embryonic development. Reproduction, Fertility and Development, 2008, 20, 483.	0.4	31
89	In vitro penetration assay of boar sperm fertility: Effect of various factors on the penetrability of immature pig oocytes. Theriogenology, 1996, 46, 503-513.	2.1	30
90	Distinct Effects of Boar Seminal Plasma Fractions Exhibiting Different Protein Profiles on the Functionality of Highly Diluted Boar Spermatozoa. Reproduction in Domestic Animals, 2009, 44, 200-205.	1.4	30

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91	Superfine open pulled straws vitrification of porcine blastocysts does not require pretreatment with cytochalasin B and/or centrifugation. Reproduction, Fertility and Development, 2010, 22, 808.	0.4	30
92	Boar semen can tolerate rapid cooling rates prior to freezing. Reproduction, Fertility and Development, 2011, 23, 681.	0.4	30
93	Season of ejaculate collection influences the freezability of boar spermatozoa. Cryobiology, 2013, 67, 299-304.	0.7	30
94	Influence of seminal plasma PSP-I/PSP-II spermadhesin on pig gamete interaction. Zygote, 2005, 13, 11-16.	1.1	29
95	Brief coincubation of gametes in porcine in vitro fertilization: Role of sperm:oocyte ratio and post-coincubation medium. Theriogenology, 2007, 67, 620-626.	2.1	29
96	The nuclear DNA longevity in cryopreserved boar spermatozoa assessed using the Sperm-Sus-Halomax. Theriogenology, 2013, 79, 1294-1300.	2.1	29
97	The Seminal Plasma of the Boar is Rich in Cytokines, with Significant Individual and Intra-Ejaculate Variation. American Journal of Reproductive Immunology, 2015, 74, 523-532.	1.2	29
98	Achievements and future perspectives of embryo transfer technology in pigs. Reproduction in Domestic Animals, 2019, 54, 4-13.	1.4	29
99	Cryopreservation Differentially Alters the Proteome of Epididymal and Ejaculated Pig Spermatozoa. International Journal of Molecular Sciences, 2019, 20, 1791.	4.1	29
100	Transfer of vitrified blastocysts from one or two superovulated Large White Hyperprolific donors to Meishan recipients: reproductive parameters at Day 30 of pregnancy. Theriogenology, 2004, 61, 843-850.	2.1	28
101	Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa. Theriogenology, 2005, 64, 86-98.	2.1	28
102	Effects of two combinations of cryoprotectants on the inÂvitro developmental capacity of vitrified immature porcine oocytes. Theriogenology, 2015, 84, 545-552.	2.1	28
103	Non-viable sperm in the ejaculate: Lethal escorts for contemporary viable sperm. Animal Reproduction Science, 2016, 169, 24-31.	1.5	28
104	Vitrification and warming of in vivoâ€“derived porcine embryos in a chemically defined medium. Theriogenology, 2010, 73, 300-308.	2.1	27
105	Effective vitrification and warming of porcine embryos using a pH-stable, chemically defined medium. Scientific Reports, 2016, 6, 33915.	3.3	27
106	Fluorescence in situ hybridization in diluted and flow cytometrically sorted boar spermatozoa using specific DNA direct probes labelled by nick translation. Reproduction, 2003, 126, 317-325.	2.6	26
107	Influence of sperm:oocyte ratio during in vitro fertilization of in vitro matured cumulus-intact pig oocytes on fertilization parameters and embryo development. Theriogenology, 2004, 61, 551-560.	2.1	26
108	Relevance of ovarian follicular development to the seasonal impairment of fertility in weaned sows. Veterinary Journal, 2014, 199, 382-386.	1.7	25

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109	The effects of superovulation of donor sows on ovarian response and embryo development after nonsurgical deep-uterine embryo transfer. Theriogenology, 2014, 81, 832-839.	2.1	25
110	Seminal Plasma Modifies the Transcriptional Pattern of the Endometrium and Advances Embryo Development in Pigs. Frontiers in Veterinary Science, 2019, 6, 465.	2.2	24
111	Viability and fertility of unwashed Murciano-Granadina goat spermatozoa diluted in Tris-egg yolk extender and stored at 5 Â°C. Small Ruminant Research, 1997, 25, 147-153.	1.2	23
112	In vitro postwarming viability of vitrified porcine embryos: Effect of cryostorage length. Theriogenology, 2010, 74, 486-490.	2.1	23
113	The overlaying oil type influences in vitro embryo production: differences in composition and compound transfer into incubation medium between oils. Scientific Reports, 2017, 7, 10505.	3.3	23
114	Seasonal variations of semen quality in male goats: Study of sperm abnormalities. Theriogenology, 1992, 38, 115-125.	2.1	22
115	Lowâ€Dose Insemination in Pigs: Problems and Possibilities. Reproduction in Domestic Animals, 2008, 43, 347-354.	1.4	22
116	Seminal Plasma Induces Overexpression of Genes Associated with Embryo Development and Implantation in Day-6 Porcine Blastocysts. International Journal of Molecular Sciences, 2020, 21, 3662.	4.1	22
117	Cryo-scanning electron microscopy (Cryo-SEM) of semen frozen in medium-straws from good and sub-standard freezer AI-boars. Cryobiology, 2007, 54, 63-70.	0.7	21
118	Non-surgical deep intrauterine transfer of superfine open pulled straw (SOPS)-vitrified porcine embryos: Evaluation of critical steps of the procedure. Theriogenology, 2012, 78, 1339-1349.	2.1	21
119	Generation of human organs in pigs via interspecies blastocyst complementation. Reproduction in Domestic Animals, 2016, 51, 18-24.	1.4	21
120	Exogenous ascorbic acid enhances vitrification survival of porcine inÂvitro-developed blastocysts but fails to improve the inÂvitro embryo production outcomes. Theriogenology, 2018, 113, 113-119.	2.1	21
121	Supplementation with exogenous coenzyme Q10 to media for in vitro maturation and embryo culture fails to promote the developmental competence of porcine embryos. Reproduction in Domestic Animals, 2019, 54, 72-77.	1.4	21
122	Flow Cytometry Identification of X- and Y-Chromosome-Bearing Goat Spermatozoa. Reproduction in Domestic Animals, 2004, 39, 58-60.	1.4	20
123	Effects of Hoechst 33342 staining and ultraviolet irradiation on mitochondrial distribution and DNA copy number in porcine oocytes and preimplantation embryos. Molecular Reproduction and Development, 2012, 79, 651-663.	2.0	20
124	Measurement of activity and concentration of paraoxonase 1 (PONâ€1) in seminal plasma and identification of PONâ€2 in the sperm of boar ejaculates. Molecular Reproduction and Development, 2015, 82, 58-65.	2.0	20
125	Seminal Plasma Cytokines Are Predictive of the Outcome of Boar Sperm Preservation. Frontiers in Veterinary Science, 2019, 6, 436.	2.2	20
126	Environment and medium volume influence in vitro fertilisation of pig oocytes. Zygote, 1993, 1, 209-213.	1.1	19

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127	Vitrification of in vitro cultured porcine two-to-four cell embryos. Theriogenology, 2007, 68, 258-264.	2.1	19
128	Capability of frozenâ€“thawed boar spermatozoa to sustain pre-implantational embryo development. Animal Reproduction Science, 2010, 121, 145-151.	1.5	19
129	Is boar sperm freezability more intrinsically linked to spermatozoa than to the surrounding seminal plasma?. Animal Reproduction Science, 2018, 195, 30-37.	1.5	19
130	High pre-freezing sperm dilution improves monospermy without affecting the penetration rate in porcine IVF. Theriogenology, 2019, 131, 162-168.	2.1	19
131	Influence of constant long days on ejaculate parameters of rabbits reared under natural environment conditions of Mediterranean area. Livestock Science, 2005, 94, 169-177.	1.2	18
132	An Earlier Uterine Environment Favors the <i>In Vivo</i> Development of Fresh Pig Morulae and Blastocysts Transferred by a Nonsurgical Deep-uterine Method. Journal of Reproduction and Development, 2014, 60, 371-376.	1.4	18
133	Effects of Vitrification on the Blastocyst Gene Expression Profile in a Porcine Model. International Journal of Molecular Sciences, 2021, 22, 1222.	4.1	18
134	Effects of Complement Component 3 Derivatives on Pig Oocyte Maturation, Fertilization and Early Embryo Development In Vitro. Reproduction in Domestic Animals, 2011, 46, 1017-1021.	1.4	17
135	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
136	Effect of astaxanthin in extenders on sperm quality and functional variables of frozen-thawed boar semen. Animal Reproduction Science, 2020, 218, 106478.	1.5	17
137	Forskolin improves the cryosurvival of in vivo-derived porcine embryos at very early stages using two vitrification methods. Cryobiology, 2013, 66, 144-150.	0.7	16
138	Design, development, and application of a non-surgical deep uterine embryo transfer technique in pigs. Animal Frontiers, 2013, 3, 40-47.	1.7	16
139	Successful laparoscopic insemination with a very low number of flow cytometrically sorted boar sperm in field conditions. Theriogenology, 2014, 81, 315-320.	2.1	16
140	The use of mineral oil during inÂvitro maturation, fertilization, and embryo culture does not impair the developmental competence of pig oocytes. Theriogenology, 2015, 83, 693-702.	2.1	16
141	Peroxidized mineral oil increases the oxidant status of culture media and inhibits inÂvitro porcine embryo development. Theriogenology, 2017, 103, 17-23.	2.1	16
142	Proteomics in fresh and preserved pig semen: Recent achievements and future challenges. Theriogenology, 2020, 150, 41-47.	2.1	16
143	Use of real-time ultrasonic scanning for the detection of reproductive failure in pig herds. Animal Reproduction Science, 1992, 29, 53-59.	1.5	15
144	Pentoxifylline added to freezing or post-thaw extenders does not improve the survival or in vitro fertilising capacity of boar spermatozoa. Reproduction, 2010, 139, 557-564.	2.6	15

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145	Effect of MEM vitamins and forskolin on embryo development and vitrification tolerance of in vitro-produced pig embryos. Animal Reproduction Science, 2013, 136, 296-302.	1.5	15
146	The proteome of frozen-thawed pig spermatozoa is dependent on the ejaculate fraction source. Scientific Reports, 2019, 9, 705.	3.3	15
147	Use of triple stain technique for simultaneous assessment of vitality and acrosomal status in boar spermatozoa. Theriogenology, 1992, 38, 843-852.	2.1	14
148	Effects of ultrashort gamete co-incubation time on porcine in vitro fertilization. Animal Reproduction Science, 2008, 106, 393-401.	1.5	14
149	Simple storage (CO2-free) of porcine morulae for up to three days maintains the inÂvitro viability and developmental competence. Theriogenology, 2018, 108, 229-238.	2.1	14
150	Lectin histochemistry during in vitro capacitation and acrosome reaction in boar spermatozoa: new lectins for evaluating acrosomal status of boar spermatozoa. Acta Histochemica, 1996, 98, 93-100.	1.8	13
151	Influence of follicle size on the penetrability of immature pig oocytes for homologous in vitro penetration assay. Theriogenology, 2003, 60, 659-667.	2.1	13
152	The Recipients' Parity Does Not Influence Their Reproductive Performance Following Nonâ€Surgical Deep Uterine Porcine Embryo Transfer. Reproduction in Domestic Animals, 2016, 51, 123-129.	1.4	13
153	Post-thaw boar sperm motility is affected by prolonged storage of sperm in liquid nitrogen. A retrospective study. Cryobiology, 2018, 80, 119-125.	0.7	13
154	Localization and expression of spermadhesin PSPâ€I/PSPâ€II subunits in the reproductive organs of the boar. Journal of Developmental and Physical Disabilities, 2008, 31, 408-417.	3.6	12
155	Effects of Hoechst 33342 staining and ultraviolet irradiation on the developmental competence of in vitro-matured porcine oocytes. Theriogenology, 2011, 76, 1667-1675.	2.1	12
156	The inÂvitro and inÂvivo developmental capacity of selected porcine monospermic zygotes. Theriogenology, 2013, 79, 392-398.	2.1	12
157	Handling of boar spermatozoa during and after flow cytometric sex-sorting process to improve their inÂvitro fertilizing ability. Theriogenology, 2013, 80, 350-356.	2.1	12
158	Egg Yolk and Glycerol Requirements for Freezing Boar Spermatozoa Treated with Methyl Î²-Cyclodextrin or Cholesterol-loaded Cyclodextrin. Journal of Reproduction and Development, 2014, 60, 143-149.	1.4	12
159	Surgical embryo collection but not nonsurgical embryo transfer compromises postintervention prolificacy in sows. Theriogenology, 2017, 87, 316-320.	2.1	12
160	Influence of season on testicle size and libido in male goats from the Mediterranean area. Animal Science, 1991, 52, 317-321.	1.3	11
161	Use of frozen-thawed semen aggravates the summer-autumn infertility of artificially inseminated weaned sows in the Mediterranean region1. Journal of Animal Science, 2009, 87, 3967-3975.	0.5	11
162	Validation of trans-rectal ultrasonography for counting preovulatory follicles in weaned sows. Animal Reproduction Science, 2009, 113, 137-142.	1.5	11

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163	Developmental competence of porcine genomeâ€edited zygotes. Molecular Reproduction and Development, 2017, 84, 814-821.	2.0	11
164	Effect of sex-sorting and cryopreservation on the post-thaw sperm quality of Iberian red deer spermatozoa. Theriogenology, 2017, 89, 206-213.	2.1	11
165	Altrenogest treatment before weaning improves litter size in sows. Reproduction in Domestic Animals, 2017, 52, 75-77.	1.4	11
166	Characterization of glycoside residues of porcine zona pellucida and ooplasm during follicular development and atresia. Molecular Reproduction and Development, 2008, 75, 1473-1483.	2.0	10
167	The Effects of Hoechst 33342 Staining and the Male Sample Donor on the Sorting Efficiency of Canine Spermatozoa. Reproduction in Domestic Animals, 2014, 49, 115-121.	1.4	10
168	Effects of Rapid Cooling Prior to Freezing on the Quality of Canine Cryopreserved Spermatozoa. Journal of Reproduction and Development, 2014, 60, 355-361.	1.4	10
169	In Vitro Fertilization (IVF) in Straws and a Short Gamete Coincubation Time Improves the Efficiency of Porcine IVF. Reproduction in Domestic Animals, 2008, 43, 747-752.	1.4	9
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