

# Emilio A Martinez

## List of Publications by Year in descending order

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220  
papers

7,320  
citations

50170

46  
h-index

91712

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. <i>Cell</i> , 2017, 168, 473-486.e15.	13.5	397
2	Boar spermatozoa in the oviduct. <i>Theriogenology</i> , 2005, 63, 514-535.	0.9	184
3	Modulation of The Oviductal Environment by Gametes. <i>Journal of Proteome Research</i> , 2007, 6, 4656-4666.	1.8	132
4	Survival and Fertility of Boar Spermatozoa After Freeze-Thawing in Extender Supplemented With Butylated Hydroxytoluene. <i>Journal of Andrology</i> , 2004, 25, 397-405.	2.0	128
5	Advances in Swine <i>In Vitro</i> Embryo Production Technologies. <i>Reproduction in Domestic Animals</i> , 2010, 45, 40-48.	0.6	121
6	Factors influencing boar sperm cryosurvival. <i>Journal of Animal Science</i> , 2006, 84, 2692-2699.	0.2	120
7	Effects of Centrifugation Before Freezing on Boar Sperm Cryosurvival. <i>Journal of Andrology</i> , 2004, 25, 389-396.	2.0	116
8	Influence of Porcine Spermadhesins on the Susceptibility of Boar Spermatozoa to High Dilution. <i>Biology of Reproduction</i> , 2003, 69, 640-646.	1.2	106
9	Fertility of weaned sows after deep intrauterine insemination with a reduced number of frozen-thawed spermatozoa. <i>Theriogenology</i> , 2003, 60, 77-87.	0.9	103
10	The battle of the sexes starts in the oviduct: modulation of oviductal transcriptome by X and Y-bearing spermatozoa. <i>BMC Genomics</i> , 2014, 15, 293.	1.2	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. <i>Journal of Andrology</i> , 2007, 28, 689-697.	2.0	94
12	Seminal Plasma Proteins as Modulators of the Sperm Function and Their Application in Sperm Biotechnologies. <i>Reproduction in Domestic Animals</i> , 2012, 47, 12-21.	0.6	93
13	Kinematic Changes During the Cryopreservation of Boar Spermatozoa. <i>Journal of Andrology</i> , 2005, 26, 610-618.	2.0	92
14	Minimum number of spermatozoa required for normal fertility after deep intrauterine insemination in non-sedated sows. <i>Reproduction</i> , 2002, 123, 163-170.	1.1	90
15	Hypoosmotic swelling of boar spermatozoa compared to other methods for analysing the sperm membrane. <i>Theriogenology</i> , 1997, 47, 913-922.	0.9	86
16	Selection of immature pig oocytes for homologous in vitro penetration assays with the brilliant cresyl blue test. <i>Reproduction, Fertility and Development</i> , 1998, 10, 479.	0.1	86
17	Successful non-surgical deep intrauterine insemination with small numbers of spermatozoa in sows. <i>Reproduction</i> , 2001, 122, 289-296.	1.1	86
18	Viability and fertility of rabbit spermatozoa diluted in Tris-buffer extenders and stored at 15°C. <i>Animal Reproduction Science</i> , 2000, 64, 103-112.	0.5	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. <i>Theriogenology</i> , 2001, 55, 1593-1605.	0.9	77
20	Survival and in vitro fertility of boar spermatozoa frozen in the presence of superoxide dismutase and/or catalase. <i>Journal of Andrology</i> , 2005, 26, 15-24.	2.0	77
21	Adjustments on the cryopreservation conditions reduce the incidence of boar ejaculates with poor sperm freezability. <i>Theriogenology</i> , 2007, 67, 1436-1445.	0.9	76
22	Characterization of the porcine seminal plasma proteome comparing ejaculate portions. <i>Journal of Proteomics</i> , 2016, 142, 15-23.	1.2	74
23	Birth of piglets after deep intrauterine insemination with flow cytometrically sorted boar spermatozoa. <i>Theriogenology</i> , 2003, 59, 1605-1614.	0.9	71
24	Early Developing Pig Embryos Mediate Their Own Environment in the Maternal Tract. <i>PLoS ONE</i> , 2012, 7, e33625.	1.1	70
25	Challenges in Pig Artificial Insemination. <i>Reproduction in Domestic Animals</i> , 2006, 41, 43-53.	0.6	66
26	Vitrification of porcine embryos at various developmental stages using different ultra-rapid cooling procedures. <i>Theriogenology</i> , 2004, 62, 353-361.	0.9	65
27	Successful nonsurgical deep uterine embryo transfer in pigs. <i>Theriogenology</i> , 2004, 61, 137-146.	0.9	65
28	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
29	Boar Differences In Artificial Insemination Outcomes: Can They Be Minimized?. <i>Reproduction in Domestic Animals</i> , 2015, 50, 48-55.	0.6	62
30	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
31	Will AI in pigs become more efficient?. <i>Theriogenology</i> , 2016, 86, 187-193.	0.9	59
32	Extracellular vesicles isolated from porcine seminal plasma exhibit different tetraspanin expression profiles. <i>Scientific Reports</i> , 2019, 9, 11584.	1.6	59
33	In vitro development following one-step dilution of OPS-vitrified porcine blastocysts. <i>Theriogenology</i> , 2004, 62, 1144-1152.	0.9	58
34	Improving the efficiency of sperm technologies in pigs: the value of deep intrauterine insemination. <i>Theriogenology</i> , 2005, 63, 536-547.	0.9	56
35	Piglets born after non-surgical deep intrauterine transfer of vitrified blastocysts in gilts. <i>Animal Reproduction Science</i> , 2005, 85, 275-286.	0.5	56
36	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

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37	Seminal Plasma: Relevant for Fertility?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4368.	1.8	56
38	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
39	PSP-I/PSP-II spermadhesin exert a decapacitation effect on highly extended boar spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , 2009, 32, 505-513.	3.6	54
40	Approaches Towards Efficient Use of Boar Semen in the Pig Industry. <i>Reproduction in Domestic Animals</i> , 2011, 46, 79-83.	0.6	54
41	Seminal plasma antioxidants are directly involved in boar sperm cryotolerance. <i>Theriogenology</i> , 2018, 107, 27-35.	0.9	54
42	Major proteins of boar seminal plasma as a tool for biotechnological preservation of spermatozoa. <i>Theriogenology</i> , 2008, 70, 1352-1355.	0.9	52
43	Evaluation of boar spermatozoa penetrating capacity using pig oocytes at the germinal vesicle stage. <i>Theriogenology</i> , 1993, 40, 547-557.	0.9	50
44	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
45	Hoechst 33342 stain and u.v. laser exposure do not induce genotoxic effects in flow-sorted boar spermatozoa. <i>Reproduction</i> , 2004, 128, 615-621.	1.1	49
46	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
47	Characteristics and seasonal variations in the semen of Murciano-Granadina goats in the Mediterranean area. <i>Animal Reproduction Science</i> , 1992, 29, 255-262.	0.5	48
48	Effect of the volume of medium and number of oocytes during in vitro fertilization on embryo development in pigs. <i>Theriogenology</i> , 2003, 60, 767-776.	0.9	46
49	Sex-sorting sperm by flow cytometry in pigs: Issues and perspectives. <i>Theriogenology</i> , 2009, 71, 80-88.	0.9	46
50	Improvement of boar sperm cryosurvival by using single-layer colloid centrifugation prior freezing. <i>Theriogenology</i> , 2012, 78, 1117-1125.	0.9	46
51	Nonsurgical deep uterine transfer of vitrified, in vivo-derived, porcine embryos is as effective as the default surgical approach. <i>Scientific Reports</i> , 2015, 5, 10587.	1.6	46
52	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
53	Retained Functional Integrity of Bull Spermatozoa after Double Freezing and Thawing Using PureSperm® Density Gradient Centrifugation. <i>Reproduction in Domestic Animals</i> , 2007, 42, 489-494.	0.6	45
54	Successful Non-Surgical Deep Uterine Transfer of Porcine Morulae after 24 Hour Culture in a Chemically Defined Medium. <i>PLoS ONE</i> , 2014, 9, e104696.	1.1	45

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55	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
56	Suitability and effectiveness of single layer centrifugation using Androcoll-P in the cryopreservation protocol for boar spermatozoa. <i>Animal Reproduction Science</i> , 2013, 140, 173-179.	0.5	44
57	Relationship between antral follicle size, oocyte diameters and nuclear maturation of immature oocytes in pigs. <i>Theriogenology</i> , 2002, 58, 871-885.	0.9	43
58	Dissecting the Protective Effect of the Seminal Plasma Spermadhesin PSP-I/PSP-II on Boar Sperm Functionality. <i>Journal of Andrology</i> , 2006, 27, 434-443.	2.0	43
59	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
60	Factors affecting the success rate of porcine embryo vitrification by the Open Pulled Straw method. <i>Animal Reproduction Science</i> , 2008, 108, 334-344.	0.5	43
61	Detrimental Effects of Non-Functional Spermatozoa on the Freezability of Functional Spermatozoa from Boar Ejaculate. <i>PLoS ONE</i> , 2012, 7, e36550.	1.1	42
62	Treating boar sperm with cholesterol-loaded cyclodextrins widens the sperm osmotic tolerance limits and enhances the in vitro sperm fertilising ability. <i>Animal Reproduction Science</i> , 2011, 129, 209-220.	0.5	41
63	Boar semen variability and its effects on IVF efficiency. <i>Theriogenology</i> , 2008, 70, 1260-1268.	0.9	40
64	Heat-shock protein A8 restores sperm membrane integrity by increasing plasma membrane fluidity. <i>Reproduction</i> , 2014, 147, 719-732.	1.1	40
65	The Proteome of Pig Spermatozoa Is Remodeled During Ejaculation. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 41-50.	2.5	40
66	Effect of short periods of sperm-oocyte coincubation during in vitro fertilization on embryo development in pigs. <i>Theriogenology</i> , 2004, 62, 544-552.	0.9	39
67	Effect of the cryoprotectant concentration on the in vitro embryo development and cell proliferation of OPS-vitrified porcine blastocysts. <i>Cryobiology</i> , 2008, 56, 189-194.	0.3	39
68	An update on Reproductive Technologies with Potential Short-Term Application in Pig Production. <i>Reproduction in Domestic Animals</i> , 2005, 40, 300-309.	0.6	38
69	Dead spermatozoa in raw semen samples impair in vitro fertilization outcomes of frozen-thawed spermatozoa. <i>Fertility and Sterility</i> , 2013, 100, 875-881.	0.5	38
70	Improving the fertilizing ability of sex sorted boar spermatozoa. <i>Theriogenology</i> , 2007, 68, 771-778.	0.9	37
71	Improving the Efficiency of Insemination with Sex-sorted Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2008, 43, 1-8.	0.6	37
72	New developments in low-dose insemination technology. <i>Theriogenology</i> , 2008, 70, 1216-1224.	0.9	37

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73	Recent advances toward the practical application of embryo transfer in pigs. <i>Theriogenology</i> , 2016, 85, 152-161.	0.9	37
74	Evaluation of l-glutamine for cryopreservation of boar spermatozoa. <i>Animal Reproduction Science</i> , 2009, 115, 149-157.	0.5	36
75	Oocyte Penetration by Fresh or Stored Diluted Boar Spermatozoa before and after in Vitro Capacitation Treatments <sup>1</sup> . <i>Biology of Reproduction</i> , 1996, 55, 134-140.	1.2	35
76	Boar semen proteomics and sperm preservation. <i>Theriogenology</i> , 2019, 137, 23-29.	0.9	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. <i>PLoS ONE</i> , 2016, 11, e0162958.	1.1	35
78	In vitro fertilization of pig oocytes after different coincubation intervals. <i>Theriogenology</i> , 1993, 39, 1201-1208.	0.9	34
79	Sperm concentration influences fertilization and male pronuclear formation in vitro in pigs. <i>Theriogenology</i> , 1993, 40, 539-546.	0.9	34
80	Differences in the ability of spermatozoa from individual boar ejaculates to withstand different semen-processing techniques. <i>Animal Reproduction Science</i> , 2012, 132, 66-73.	0.5	34
81	Does Seminal Plasma PSP <sup>1</sup> /PSP <sup>2</sup> 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
82	The activity of paraoxonase type 1 (PON <sup>1</sup> ) in boar seminal plasma and its relationship with sperm quality, functionality, and in vivo fertility. <i>Andrology</i> , 2015, 3, 315-320.	1.9	33
83	Adjustments in IVF system for individual boars: Value of additives and time of sperm-oocyte co-incubation. <i>Theriogenology</i> , 2005, 64, 1783-1796.	0.9	32
84	Acrosome reaction of boar spermatozoa in homologous in vitro fertilization. <i>Molecular Reproduction and Development</i> , 1993, 36, 84-88.	1.0	31
85	Motility Characteristics and Fertilizing Capacity of Boar Spermatozoa Stained with Hoechst 33342. <i>Reproduction in Domestic Animals</i> , 2002, 37, 369-374.	0.6	31
86	Incidence of Unilateral Fertilizations after Low Dose Deep Intrauterine Insemination in Spontaneously Ovulating Sows under Field Conditions. <i>Reproduction in Domestic Animals</i> , 2006, 41, 41-47.	0.6	31
87	The effectiveness of the stereomicroscopic evaluation of embryo quality in vitrified-warmed porcine blastocysts: An ultrastructural and cell death study. <i>Theriogenology</i> , 2007, 67, 970-982.	0.9	31
88	In vitro maturation of porcine oocytes with retinoids improves embryonic development. <i>Reproduction, Fertility and Development</i> , 2008, 20, 483.	0.1	31
89	In vitro penetration assay of boar sperm fertility: Effect of various factors on the penetrability of immature pig oocytes. <i>Theriogenology</i> , 1996, 46, 503-513.	0.9	30
90	Distinct Effects of Boar Seminal Plasma Fractions Exhibiting Different Protein Profiles on the Functionality of Highly Diluted Boar Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2009, 44, 200-205.	0.6	30

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91	Superfine open pulled straws vitrification of porcine blastocysts does not require pretreatment with cytochalasin B and/or centrifugation. <i>Reproduction, Fertility and Development</i> , 2010, 22, 808.	0.1	30
92	Boar semen can tolerate rapid cooling rates prior to freezing. <i>Reproduction, Fertility and Development</i> , 2011, 23, 681.	0.1	30
93	Season of ejaculate collection influences the freezability of boar spermatozoa. <i>Cryobiology</i> , 2013, 67, 299-304.	0.3	30
94	Influence of seminal plasma PSP-I/PSP-II spermadhesin on pig gamete interaction. <i>Zygote</i> , 2005, 13, 11-16.	0.5	29
95	Brief coincubation of gametes in porcine in vitro fertilization: Role of sperm:oocyte ratio and post-coincubation medium. <i>Theriogenology</i> , 2007, 67, 620-626.	0.9	29
96	The nuclear DNA longevity in cryopreserved boar spermatozoa assessed using the Sperm-Sus-Halomax. <i>Theriogenology</i> , 2013, 79, 1294-1300.	0.9	29
97	The Seminal Plasma of the Boar is Rich in Cytokines, with Significant Individual and Intra-Ejaculate Variation. <i>American Journal of Reproductive Immunology</i> , 2015, 74, 523-532.	1.2	29
98	Achievements and future perspectives of embryo transfer technology in pigs. <i>Reproduction in Domestic Animals</i> , 2019, 54, 4-13.	0.6	29
99	Cryopreservation Differentially Alters the Proteome of Epididymal and Ejaculated Pig Spermatozoa. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1791.	1.8	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. <i>Theriogenology</i> , 2004, 61, 843-850.	0.9	28
101	Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa. <i>Theriogenology</i> , 2005, 64, 86-98.	0.9	28
102	Effects of two combinations of cryoprotectants on the in vitro developmental capacity of vitrified immature porcine oocytes. <i>Theriogenology</i> , 2015, 84, 545-552.	0.9	28
103	Non-viable sperm in the ejaculate: Lethal escorts for contemporary viable sperm. <i>Animal Reproduction Science</i> , 2016, 169, 24-31.	0.5	28
104	Vitrification and warming of in vivo derived porcine embryos in a chemically defined medium. <i>Theriogenology</i> , 2010, 73, 300-308.	0.9	27
105	Effective vitrification and warming of porcine embryos using a pH-stable, chemically defined medium. <i>Scientific Reports</i> , 2016, 6, 33915.	1.6	27
106	Fluorescence in situ hybridization in diluted and flow cytometrically sorted boar spermatozoa using specific DNA direct probes labelled by nick translation. <i>Reproduction</i> , 2003, 126, 317-325.	1.1	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. <i>Theriogenology</i> , 2004, 61, 551-560.	0.9	26
108	Relevance of ovarian follicular development to the seasonal impairment of fertility in weaned sows. <i>Veterinary Journal</i> , 2014, 199, 382-386.	0.6	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. <i>Theriogenology</i> , 2014, 81, 832-839.	0.9	25
110	Seminal Plasma Modifies the Transcriptional Pattern of the Endometrium and Advances Embryo Development in Pigs. <i>Frontiers in Veterinary Science</i> , 2019, 6, 465.	0.9	24
111	Viability and fertility of unwashed Murciano-Granadina goat spermatozoa diluted in Tris-egg yolk extender and stored at 5 Å°C. <i>Small Ruminant Research</i> , 1997, 25, 147-153.	0.6	23
112	In vitro postwarming viability of vitrified porcine embryos: Effect of cryostorage length. <i>Theriogenology</i> , 2010, 74, 486-490.	0.9	23
113	The overlaying oil type influences in vitro embryo production: differences in composition and compound transfer into incubation medium between oils. <i>Scientific Reports</i> , 2017, 7, 10505.	1.6	23
114	Seasonal variations of semen quality in male goats: Study of sperm abnormalities. <i>Theriogenology</i> , 1992, 38, 115-125.	0.9	22
115	Lowâ€Dose Insemination in Pigs: Problems and Possibilities. <i>Reproduction in Domestic Animals</i> , 2008, 43, 347-354.	0.6	22
116	Seminal Plasma Induces Overexpression of Genes Associated with Embryo Development and Implantation in Day-6 Porcine Blastocysts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3662.	1.8	22
117	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
118	Non-surgical deep intrauterine transfer of superfine open pulled straw (SOPS)-vitrified porcine embryos: Evaluation of critical steps of the procedure. <i>Theriogenology</i> , 2012, 78, 1339-1349.	0.9	21
119	Generation of human organs in pigs via interspecies blastocyst complementation. <i>Reproduction in Domestic Animals</i> , 2016, 51, 18-24.	0.6	21
120	Exogenous ascorbic acid enhances vitrification survival of porcine inÂvitro-developed blastocysts but fails to improve the inÂvitro embryo production outcomes. <i>Theriogenology</i> , 2018, 113, 113-119.	0.9	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. <i>Reproduction in Domestic Animals</i> , 2019, 54, 72-77.	0.6	21
122	Flow Cytometry Identification of X- and Y-Chromosome-Bearing Goat Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2004, 39, 58-60.	0.6	20
123	Effects of Hoechst 33342 staining and ultraviolet irradiation on mitochondrial distribution and DNA copy number in porcine oocytes and preimplantation embryos. <i>Molecular Reproduction and Development</i> , 2012, 79, 651-663.	1.0	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. <i>Molecular Reproduction and Development</i> , 2015, 82, 58-65.	1.0	20
125	Seminal Plasma Cytokines Are Predictive of the Outcome of Boar Sperm Preservation. <i>Frontiers in Veterinary Science</i> , 2019, 6, 436.	0.9	20
126	Environment and medium volume influence <i>in vitro</i> fertilisation of pig oocytes. <i>Zygote</i> , 1993, 1, 209-213.	0.5	19



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127	Vitrification of in vitro cultured porcine two-to-four cell embryos. <i>Theriogenology</i> , 2007, 68, 258-264.	0.9	19
128	Capability of frozen-thawed boar spermatozoa to sustain pre-implantational embryo development. <i>Animal Reproduction Science</i> , 2010, 121, 145-151.	0.5	19
129	Is boar sperm freezability more intrinsically linked to spermatozoa than to the surrounding seminal plasma?. <i>Animal Reproduction Science</i> , 2018, 195, 30-37.	0.5	19
130	High pre-freezing sperm dilution improves monospermy without affecting the penetration rate in porcine IVF. <i>Theriogenology</i> , 2019, 131, 162-168.	0.9	19
131	Influence of constant long days on ejaculate parameters of rabbits reared under natural environment conditions of Mediterranean area. <i>Livestock Science</i> , 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. <i>Journal of Reproduction and Development</i> , 2014, 60, 371-376.	0.5	18
133	Effects of Vitrification on the Blastocyst Gene Expression Profile in a Porcine Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1222.	1.8	18
134	Effects of Complement Component 3 Derivatives on Pig Oocyte Maturation, Fertilization and Early Embryo Development <i>In Vitro</i> . <i>Reproduction in Domestic Animals</i> , 2011, 46, 1017-1021.	0.6	17
135	Levels of activity of superoxide dismutase in seminal plasma do not predict fertility of pig AI-semen doses. <i>Theriogenology</i> , 2019, 140, 18-24.	0.9	17
136	Effect of astaxanthin in extenders on sperm quality and functional variables of frozen-thawed boar semen. <i>Animal Reproduction Science</i> , 2020, 218, 106478.	0.5	17
137	Forskolin improves the cryosurvival of in vivo-derived porcine embryos at very early stages using two vitrification methods. <i>Cryobiology</i> , 2013, 66, 144-150.	0.3	16
138	Design, development, and application of a non-surgical deep uterine embryo transfer technique in pigs. <i>Animal Frontiers</i> , 2013, 3, 40-47.	0.8	16
139	Successful laparoscopic insemination with a very low number of flow cytometrically sorted boar sperm in field conditions. <i>Theriogenology</i> , 2014, 81, 315-320.	0.9	16
140	The use of mineral oil during in vitro maturation, fertilization, and embryo culture does not impair the developmental competence of pig oocytes. <i>Theriogenology</i> , 2015, 83, 693-702.	0.9	16
141	Peroxidized mineral oil increases the oxidant status of culture media and inhibits in vitro porcine embryo development. <i>Theriogenology</i> , 2017, 103, 17-23.	0.9	16
142	Proteomics in fresh and preserved pig semen: Recent achievements and future challenges. <i>Theriogenology</i> , 2020, 150, 41-47.	0.9	16
143	Use of real-time ultrasonic scanning for the detection of reproductive failure in pig herds. <i>Animal Reproduction Science</i> , 1992, 29, 53-59.	0.5	15
144	Pentoxifylline added to freezing or post-thaw extenders does not improve the survival or in vitro fertilising capacity of boar spermatozoa. <i>Reproduction</i> , 2010, 139, 557-564.	1.1	15

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145	Effect of MEM vitamins and forskolin on embryo development and vitrification tolerance of in vitro-produced pig embryos. <i>Animal Reproduction Science</i> , 2013, 136, 296-302.	0.5	15
146	The proteome of frozen-thawed pig spermatozoa is dependent on the ejaculate fraction source. <i>Scientific Reports</i> , 2019, 9, 705.	1.6	15
147	Use of triple stain technique for simultaneous assessment of vitality and acrosomal status in boar spermatozoa. <i>Theriogenology</i> , 1992, 38, 843-852.	0.9	14
148	Effects of ultrashort gamete co-incubation time on porcine in vitro fertilization. <i>Animal Reproduction Science</i> , 2008, 106, 393-401.	0.5	14
149	Simple storage (CO <sub>2</sub> -free) of porcine morulae for up to three days maintains the in vitro viability and developmental competence. <i>Theriogenology</i> , 2018, 108, 229-238.	0.9	14
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