

Emilio A Martinez

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211
papers

5,851
citations

40
h-index

62
g-index

227
ext. papers

6,497
ext. citations

2.7
avg, IF

5.28
L-index

#	Paper	IF	Citations
211	Interspecies Chimerism with Mammalian Pluripotent Stem Cells. <i>Cell</i> , 2017 , 168, 473-486.e15	54.5	283
210	Boar spermatozoa in the oviduct. <i>Theriogenology</i> , 2005 , 63, 514-35	2.7	166
209	Modulation of the oviductal environment by gametes. <i>Journal of Proteome Research</i> , 2007 , 6, 4656-66	5.4	122
208	Effects of centrifugation before freezing on boar sperm cryosurvival. <i>Journal of Andrology</i> , 2004 , 25, 389-96		105
207	Factors influencing boar sperm cryosurvival. <i>Journal of Animal Science</i> , 2006 , 84, 2692-9	0.6	100
206	Survival and fertility of boar spermatozoa after freeze-thawing in extender supplemented with butylated hydroxytoluene. <i>Journal of Andrology</i> , 2004 , 25, 397-405		100
205	Fertility of weaned sows after deep intrauterine insemination with a reduced number of frozen-thawed spermatozoa. <i>Theriogenology</i> , 2003 , 60, 77-87	2.7	92
204	Influence of porcine spermadhesins on the susceptibility of boar spermatozoa to high dilution. <i>Biology of Reproduction</i> , 2003 , 69, 640-6	3.7	92
203	Advances in swine in vitro embryo production technologies. <i>Reproduction in Domestic Animals</i> , 2010 , 45 Suppl 2, 40-8	1.5	87
202	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	4.3	86
201	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, 479-85	0.8	79
200	Kinematic changes during the cryopreservation of boar spermatozoa. <i>Journal of Andrology</i> , 2005 , 26, 610-8		78
199	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, 689-97		76
198	Minimum number of spermatozoa required for normal fertility after deep intrauterine insemination in non-sedated sows. <i>Reproduction</i> , 2002 , 123, 163-170	3.6	76
197	Seminal plasma proteins as modulators of the sperm function and their application in sperm biotechnologies. <i>Reproduction in Domestic Animals</i> , 2012 , 47 Suppl 3, 12-21	1.5	74
196	Hypoosmotic swelling of boar spermatozoa compared to other methods for analysing the sperm membrane. <i>Theriogenology</i> , 1997 , 47, 913-22	2.7	75
195	Successful non-surgical deep intrauterine insemination with small numbers of spermatozoa in sows. <i>Reproduction</i> , 2001 , 122, 289-96	3.6	71

194	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, 1593-605	2.7	71
193	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		71
192	Viability and fertility of rabbit spermatozoa diluted in Tris-buffer extenders and stored at 15 degrees C. <i>Animal Reproduction Science</i> , 2000 , 64, 103-12	2	65
191	Adjustments on the cryopreservation conditions reduce the incidence of boar ejaculates with poor sperm freezability. <i>Theriogenology</i> , 2007 , 67, 1436-45	2.7	61
190	Birth of piglets after deep intrauterine insemination with flow cytometrically sorted boar spermatozoa. <i>Theriogenology</i> , 2003 , 59, 1605-14	2.7	63
189	Characterization of the porcine seminal plasma proteome comparing ejaculate portions. <i>Journal of Proteomics</i> , 2016 , 142, 15-23	3.7	59
188	Vitrification of porcine embryos at various developmental stages using different ultra-rapid cooling procedures. <i>Theriogenology</i> , 2004 , 62, 353-61	2.7	59
187	Early developing pig embryos mediate their own environment in the maternal tract. <i>PLoS ONE</i> , 2012 , 7, e33625	3.6	58
186	Differences in SCSA outcome among boars with different sperm freezability. <i>Journal of Developmental and Physical Disabilities</i> , 2006 , 29, 583-91		57
185	Successful nonsurgical deep uterine embryo transfer in pigs. <i>Theriogenology</i> , 2004 , 61, 137-46	2.7	54
184	In vitro development following one-step dilution of OPS-vitrified porcine blastocysts. <i>Theriogenology</i> , 2004 , 62, 1144-52	2.7	54
183	Comparative effects of autologous and homologous seminal plasma on the viability of largely extended boar spermatozoa. <i>Reproduction in Domestic Animals</i> , 2004 , 39, 370-5	1.5	53
182	Challenges in pig artificial insemination. <i>Reproduction in Domestic Animals</i> , 2006 , 41 Suppl 2, 43-53	1.5	51
181	Piglets born after non-surgical deep intrauterine transfer of vitrified blastocysts in gilts. <i>Animal Reproduction Science</i> , 2005 , 85, 275-86	2	50
180	PSP-I/PSP-II spermadhesin exert a decapacitation effect on highly extended boar spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , 2009 , 32, 505-13		48
179	Improving the efficiency of sperm technologies in pigs: the value of deep intrauterine insemination. <i>Theriogenology</i> , 2005 , 63, 536-47	2.7	48
178	Evaluation of boar spermatozoa penetrating capacity using pig oocytes at the germinal vesicle stage. <i>Theriogenology</i> , 1993 , 40, 547-57	2.7	47
177	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	4	42

176	Major proteins of boar seminal plasma as a tool for biotechnological preservation of spermatozoa. <i>Theriogenology</i> , 2008 , 70, 1352-5	2.7	42
175	Boar Differences In Artificial Insemination Outcomes: Can They Be Minimized?. <i>Reproduction in Domestic Animals</i> , 2015 , 50 Suppl 2, 48-55	1.5	43
174	Will AI in pigs become more efficient?. <i>Theriogenology</i> , 2016 , 86, 187-93	2.7	41
173	Sex-sorting sperm by flow cytometry in pigs: issues and perspectives. <i>Theriogenology</i> , 2009 , 71, 80-8	2.7	40
172	Retained functional integrity of bull spermatozoa after double freezing and thawing using PureSperm density gradient centrifugation. <i>Reproduction in Domestic Animals</i> , 2007 , 42, 489-94	1.5	40
171	Immunolocalization and possible functional role of PSP-I/PSP-II heterodimer in highly extended boar spermatozoa. <i>Journal of Andrology</i> , 2006 , 27, 766-73		40
170	Effect of the volume of medium and number of oocytes during in vitro fertilization on embryo development in pigs. <i>Theriogenology</i> , 2003 , 60, 767-76	2.7	40
169	Relationship between antral follicle size, oocyte diameters and nuclear maturation of immature oocytes in pigs. <i>Theriogenology</i> , 2002 , 58, 871-85	2.7	40
168	Characteristics and seasonal variations in the semen of Murciano-Granadina goats in the Mediterranean area. <i>Animal Reproduction Science</i> , 1992 , 29, 255-262	2	39
167	High total antioxidant capacity of the porcine seminal plasma (SP-TAC) relates to sperm survival and fertility. <i>Scientific Reports</i> , 2015 , 5, 18538	4.7	39
166	Approaches towards efficient use of boar semen in the pig industry. <i>Reproduction in Domestic Animals</i> , 2011 , 46 Suppl 2, 79-83	1.5	38
165	Dissimilarities in sowsTovarian status at the insemination time could explain differences in fertility between farms when frozen-thawed semen is used. <i>Theriogenology</i> , 2006 , 65, 669-80	2.7	39
164	Hoechst 33342 stain and u.v. laser exposure do not induce genotoxic effects in flow-sorted boar spermatozoa. <i>Reproduction</i> , 2004 , 128, 615-21	3.6	38
163	Suitability and effectiveness of single layer centrifugation using Androcoll-P in the cryopreservation protocol for boar spermatozoa. <i>Animal Reproduction Science</i> , 2013 , 140, 173-9	2	37
162	Boar sperm cryosurvival is better after exposure to seminal plasma from selected fractions than to those from entire ejaculate. <i>Cryobiology</i> , 2014 , 69, 203-10	1.8	38
161	Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?. <i>Theriogenology</i> , 2005 , 64, 305-16	2.7	38
160	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	5.4	37
159	Improvement of boar sperm cryosurvival by using single-layer colloid centrifugation prior freezing. <i>Theriogenology</i> , 2012 , 78, 1117-25	2.7	36

158	Dissecting the protective effect of the seminal plasma spermadhesin PSP-I/PSP-II on boar sperm functionality. <i>Journal of Andrology</i> , 2006 , 27, 434-43		37
157	Effect of short periods of sperm-oocyte coincubation during in vitro fertilization on embryo development in pigs. <i>Theriogenology</i> , 2004 , 62, 544-52	2.7	37
156	Factors affecting the success rate of porcine embryo vitrification by the Open Pulled Straw method. <i>Animal Reproduction Science</i> , 2008 , 108, 334-44	2	36
155	Seminal plasma antioxidants are directly involved in boar sperm cryotolerance. <i>Theriogenology</i> , 2018 , 107, 27-35	2.7	35
154	Improving the efficiency of insemination with sex-sorted spermatozoa. <i>Reproduction in Domestic Animals</i> , 2008 , 43 Suppl 4, 1-8	1.5	35
153	Improving the fertilizing ability of sex sorted boar spermatozoa. <i>Theriogenology</i> , 2007 , 68, 771-8	2.7	34
152	Heat-shock protein A8 restores sperm membrane integrity by increasing plasma membrane fluidity. <i>Reproduction</i> , 2014 , 147, 719-32	3.6	33
151	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	4.7	32
150	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, 209-20	2	32
149	Effect of the cryoprotectant concentration on the in vitro embryo development and cell proliferation of OPS-vitrified porcine blastocysts. <i>Cryobiology</i> , 2008 , 56, 189-94	1.8	32
148	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	3.6	31
147	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	2	31
146	Boar semen variability and its effects on IVF efficiency. <i>Theriogenology</i> , 2008 , 70, 1260-8	2.7	31
145	Detrimental effects of non-functional spermatozoa on the freezability of functional spermatozoa from boar ejaculate. <i>PLoS ONE</i> , 2012 , 7, e36550	3.6	30
144	An update on reproductive technologies with potential short-term application in pig production. <i>Reproduction in Domestic Animals</i> , 2005 , 40, 300-9	1.5	31
143	New developments in low-dose insemination technology. <i>Theriogenology</i> , 2008 , 70, 1216-24	2.7	30
142	In vitro fertilization of pig oocytes after different coincubation intervals. <i>Theriogenology</i> , 1993 , 39, 1201-8		30
141	Sperm concentration influences fertilization and male pronuclear formation in vitro in pigs. <i>Theriogenology</i> , 1993 , 40, 539-46	2.7	30

140	Recent advances toward the practical application of embryo transfer in pigs. <i>Theriogenology</i> , 2016 , 85, 152-61	2.7	29
139	Motility characteristics and fertilizing capacity of boar spermatozoa stained with Hoechst 33342. <i>Reproduction in Domestic Animals</i> , 2002 , 37, 369-74	1.5	29
138	In vitro penetration assay of boar sperm fertility: effect of various factors on the penetrability of immature pig oocytes. <i>Theriogenology</i> , 1996 , 46, 503-13	2.7	29
137	Extracellular vesicles isolated from porcine seminal plasma exhibit different tetraspanin expression profiles. <i>Scientific Reports</i> , 2019 , 9, 11584	4.7	28
136	Dead spermatozoa in raw semen samples impair in vitro fertilization outcomes of frozen-thawed spermatozoa. <i>Fertility and Sterility</i> , 2013 , 100, 875-81	1.2	28
135	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, 41-7	1.5	28
134	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, 843-50	2.7	28
133	Oocyte penetration by fresh or stored diluted boar spermatozoa before and after in vitro capacitation treatments. <i>Biology of Reproduction</i> , 1996 , 55, 134-40	3.7	28
132	The activity of paraoxonase type 1 (PON-1) in boar seminal plasma and its relationship with sperm quality, functionality, and in vivo fertility. <i>Andrology</i> , 2015 , 3, 315-20	4	27
131	Evaluation of l-glutamine for cryopreservation of boar spermatozoa. <i>Animal Reproduction Science</i> , 2009 , 115, 149-57	2	27
130	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, 970-82	2.7	27
129	Adjustments in IVF system for individual boars: value of additives and time of sperm-oocyte co-incubation. <i>Theriogenology</i> , 2005 , 64, 1783-96	2.7	27
128	Does seminal plasma PSP-I/PSP-II spermadhesin modulate the ability of boar spermatozoa to penetrate homologous oocytes in vitro?. <i>Journal of Andrology</i> , 2004 , 25, 1004-12		27
127	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, 808-17	0.8	26
126	The Proteome of Pig Spermatozoa Is Remodeled During Ejaculation. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 41-50	7.3	25
125	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	3.6	25
124	Brief coincubation of gametes in porcine in vitro fertilization: role of sperm:oocyte ratio and post-coincubation medium. <i>Theriogenology</i> , 2007 , 67, 620-6	2.7	25
123	Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa. <i>Theriogenology</i> , 2005 , 64, 86-98	2.7	25

122	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, 551-60	2.7	25
121	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, 523-32	3.6	24
120	Vitrification and warming of in vivo-derived porcine embryos in a chemically defined medium. <i>Theriogenology</i> , 2010 , 73, 300-8	2.7	24
119	Season of ejaculate collection influences the freezability of boar spermatozoa. <i>Cryobiology</i> , 2013 , 67, 299-304	1.8	22
118	Boar semen can tolerate rapid cooling rates prior to freezing. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 681-90	0.8	23
117	In vitro maturation of porcine oocytes with retinoids improves embryonic development. <i>Reproduction, Fertility and Development</i> , 2008 , 20, 483-9	0.8	22
116	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, 200-5	1.5	23
115	Influence of seminal plasma PSP-I/PSP-II spermadhesin on pig gamete interaction. <i>Zygote</i> , 2005 , 13, 11-61.5	2.2	22
114	Acrosome reaction of boar spermatozoa in homologous in vitro fertilization. <i>Molecular Reproduction and Development</i> , 1993 , 36, 84-8	2.5	23
113	Effective vitrification and warming of porcine embryos using a pH-stable, chemically defined medium. <i>Scientific Reports</i> , 2016 , 6, 33915	4.7	20
112	Boar semen proteomics and sperm preservation. <i>Theriogenology</i> , 2019 , 137, 23-29	2.7	20
111	The nuclear DNA longevity in cryopreserved boar spermatozoa assessed using the Sperm-Sus-Halomax. <i>Theriogenology</i> , 2013 , 79, 1294-300	2.7	20
110	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, 317-25	3.6	20
109	Non-viable sperm in the ejaculate: Lethal escorts for contemporary viable sperm. <i>Animal Reproduction Science</i> , 2016 , 169, 24-31	2	18
108	In vitro postwarming viability of vitrified porcine embryos: effect of cryostorage length. <i>Theriogenology</i> , 2010 , 74, 486-90	2.7	19
107	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	1.8	19
106	Cryopreservation Differentially Alters the Proteome of Epididymal and Ejaculated Pig Spermatozoa. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.1	19
105	Effects of two combinations of cryoprotectants on the in vitro developmental capacity of vitrified immature porcine oocytes. <i>Theriogenology</i> , 2015 , 84, 545-52	2.7	17

104	Relevance of ovarian follicular development to the seasonal impairment of fertility in weaned sows. <i>Veterinary Journal</i> , 2014 , 199, 382-6	2.4	18
103	The effects of superovulation of donor sows on ovarian response and embryo development after nonsurgical deep-uterine embryo transfer. <i>Theriogenology</i> , 2014 , 81, 832-9	2.7	18
102	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, 1339-49	2.7	18
101	Low-dose insemination in pigs: problems and possibilities. <i>Reproduction in Domestic Animals</i> , 2008 , 43 Suppl 2, 347-54	1.5	18
100	Flow cytometry identification of X- and Y-chromosome-bearing goat spermatozoa. <i>Reproduction in Domestic Animals</i> , 2004 , 39, 58-60	1.5	18
99	Viability and fertility of unwashed Murciano-Granadina goat spermatozoa diluted in Tris-egg yolk extender and stored at 5 °C. <i>Small Ruminant Research</i> , 1997 , 25, 147-153	1.6	18
98	Environment and medium volume influence in vitro fertilisation of pig oocytes. <i>Zygote</i> , 1993 , 1, 209-13	1.5	17
97	Seasonal variations of semen quality in male goats: study of sperm abnormalities. <i>Theriogenology</i> , 1992 , 38, 115-25	2.7	17
96	Is boar sperm freezability more intrinsically linked to spermatozoa than to the surrounding seminal plasma?. <i>Animal Reproduction Science</i> , 2018 , 195, 30-37	2	16
95	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, 651-63	2.5	15
94	Capability of frozen-thawed boar spermatozoa to sustain pre-implantational embryo development. <i>Animal Reproduction Science</i> , 2010 , 121, 145-51	2	16
93	Vitrification of in vitro cultured porcine two-to-four cell embryos. <i>Theriogenology</i> , 2007 , 68, 258-64	2.7	16
92	Generation of human organs in pigs via interspecies blastocyst complementation. <i>Reproduction in Domestic Animals</i> , 2016 , 51 Suppl 2, 18-24	1.5	15
91	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	4.7	15
90	Forskolin improves the cryosurvival of in vivo-derived porcine embryos at very early stages using two vitrification methods. <i>Cryobiology</i> , 2013 , 66, 144-50	1.8	15
89	An earlier uterine environment favors the in vivo development of fresh pig morulae and blastocysts transferred by a nonsurgical deep-uterine method. <i>Journal of Reproduction and Development</i> , 2014 , 60, 371-6	2	15
88	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, 557-64	3.6	15
87	Exogenous ascorbic acid enhances vitrification survival of porcine in vitro-developed blastocysts but fails to improve the in vitro embryo production outcomes. <i>Theriogenology</i> , 2018 , 113, 113-119	2.7	13

86	Achievements and future perspectives of embryo transfer technology in pigs. <i>Reproduction in Domestic Animals</i> , 2019 , 54 Suppl 4, 4-13	1.5	14
85	Measurement of activity and concentration of paraoxonase 1 (PON-1) in seminal plasma and identification of PON-2 in the sperm of boar ejaculates. <i>Molecular Reproduction and Development</i> , 2015 , 82, 58-65	2.5	13
84	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		14
83	Use of real-time ultrasonic scanning for the detection of reproductive failure in pig herds. <i>Animal Reproduction Science</i> , 1992 , 29, 53-59	2	13
82	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	2.7	13
81	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	2.7	13
80	Seminal Plasma Cytokines Are Predictive of the Outcome of Boar Sperm Preservation. <i>Frontiers in Veterinary Science</i> , 2019 , 6, 436	2.9	13
79	Seminal Plasma Modifies the Transcriptional Pattern of the Endometrium and Advances Embryo Development in Pigs. <i>Frontiers in Veterinary Science</i> , 2019 , 6, 465	2.9	13
78	Successful laparoscopic insemination with a very low number of flow cytometrically sorted boar sperm in field conditions. <i>Theriogenology</i> , 2014 , 81, 315-20	2.7	13
77	Design, development, and application of a non-surgical deep uterine embryo transfer technique in pigs. <i>Animal Frontiers</i> , 2013 , 3, 40-47	5.3	12
76	Localization and expression of spermadhesin PSP-I/PSP-II subunits in the reproductive organs of the boar. <i>Journal of Developmental and Physical Disabilities</i> , 2008 , 31, 408-17		12
75	Effects of ultrashort gamete co-incubation time on porcine in vitro fertilization. <i>Animal Reproduction Science</i> , 2008 , 106, 393-401	2	12
74	Influence of follicle size on the penetrability of immature pig oocytes for homologous in vitro penetration assay. <i>Theriogenology</i> , 2003 , 60, 659-67	2.7	12
73	Use of triple stain technique for simultaneous assessment of vitality and acrosomal status in boar spermatozoa. <i>Theriogenology</i> , 1992 , 38, 843-52	2.7	12
72	Peroxidized mineral oil increases the oxidant status of culture media and inhibits in vitro porcine embryo development. <i>Theriogenology</i> , 2017 , 103, 17-23	2.7	10
71	Effect of sex-sorting and cryopreservation on the post-thaw sperm quality of Iberian red deer spermatozoa. <i>Theriogenology</i> , 2017 , 89, 206-213	2.7	11
70	The in vitro and in vivo developmental capacity of selected porcine monospermic zygotes. <i>Theriogenology</i> , 2013 , 79, 392-8	2.7	11
69	Handling of boar spermatozoa during and after flow cytometric sex-sorting process to improve their in vitro fertilizing ability. <i>Theriogenology</i> , 2013 , 80, 350-6	2.7	11

68	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	2	11
67	Effects of complement component 3 derivatives on pig oocyte maturation, fertilization and early embryo development in vitro. <i>Reproduction in Domestic Animals</i> , 2011 , 46, 1017-21	1.5	11
66	Effects of Hoechst 33342 staining and ultraviolet irradiation on the developmental competence of in vitro-matured porcine oocytes. <i>Theriogenology</i> , 2011 , 76, 1667-75	2.7	11
65	Seminal Plasma: Relevant for Fertility?. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.1	11
64	Lectin histochemistry during in vitro capacitation and acrosome reaction in boar spermatozoa: new lectins for evaluating acrosomal status of boar spermatozoa. <i>Acta Histochemica</i> , 1996 , 98, 93-100	1.9	10
63	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 Suppl 4, 72-77	1.5	8
62	Validation of trans-rectal ultrasonography for counting preovulatory follicles in weaned sows. <i>Animal Reproduction Science</i> , 2009 , 113, 137-42	2	10
61	The proteome of frozen-thawed pig spermatozoa is dependent on the ejaculate fraction source. <i>Scientific Reports</i> , 2019 , 9, 705	4.7	8
60	The effects of hoechst 33342 staining and the male sample donor on the sorting efficiency of canine spermatozoa. <i>Reproduction in Domestic Animals</i> , 2014 , 49, 115-21	1.5	9
59	Influence of season on testicle size and libido in male goats from the Mediterranean area. <i>Animal Science</i> , 1991 , 52, 317-321		9
58	Post-thaw boar sperm motility is affected by prolonged storage of sperm in liquid nitrogen. A retrospective study. <i>Cryobiology</i> , 2018 , 80, 119-125	1.8	8
57	The Recipients Parity Does Not Influence Their Reproductive Performance Following Non-Surgical Deep Uterine Porcine Embryo Transfer. <i>Reproduction in Domestic Animals</i> , 2016 , 51, 123-9	1.5	8
56	Altrenogest treatment before weaning improves litter size in sows. <i>Reproduction in Domestic Animals</i> , 2017 , 52 Suppl 4, 75-77	1.5	8
55	Characterization of glycoside residues of porcine zona pellucida and ooplasm during follicular development and atresia. <i>Molecular Reproduction and Development</i> , 2008 , 75, 1473-83	2.5	8
54	In vitro fertilization (IVF) in straws and a short gamete coincubation time improves the efficiency of porcine IVF. <i>Reproduction in Domestic Animals</i> , 2008 , 43, 747-52	1.5	8
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48	Use of polarized light microscopy in porcine reproductive technologies. <i>Theriogenology</i> , 2011 , 76, 669-77.	7	7
47	Developmental competence of porcine genome-edited zygotes. <i>Molecular Reproduction and Development</i> , 2017 , 84, 814-821	2.5	6
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45	Use of frozen-thawed semen aggravates the summer-autumn infertility of artificially inseminated weaned sows in the Mediterranean region. <i>Journal of Animal Science</i> , 2009 , 87, 3967-75	0.6	7
44	Effects of rapid cooling prior to freezing on the quality of canine cryopreserved spermatozoa. <i>Journal of Reproduction and Development</i> , 2014 , 60, 355-61	2	7
43	The Effect of Oxidative Stress on Thawed Bulk-Sorted Red Deer Sperm. <i>Reproduction in Domestic Animals</i> , 2016 , 51, 407-14	1.5	6
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35	Prevention of hatching of porcine morulae and blastocysts by liquid storage at 20 °C. <i>Scientific Reports</i> , 2019 , 9, 6219	4.7	5
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32	Is mare endometrosis linked to oviduct fibrosis?. <i>Pferdeheilkunde</i> , 2018 , 34, 43-46	0.1	5
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23	Factors of importance when selecting sows as embryo donors. <i>Animal</i> , 2017 , 11, 1330-1335	3	3
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18	Exposure of in vitro-matured porcine oocytes to SYBR-14 and fluorescence impairs their developmental capacity. <i>Animal Reproduction Science</i> , 2012 , 133, 101-8	2	2
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16	Blastocyst-Bearing Sows Display a Dominant Anti-Inflammatory Cytokine Profile Compared to Cyclic Sows at Day 6 of the Cycle. <i>Animals</i> , 2020 , 10,	3	2
15	Optimization of protocols for Iberian red deer (<i>Cervus elaphus hispanicus</i>) sperm handling before sex sorting by flow cytometry. <i>Theriogenology</i> , 2017 , 92, 129-136	2.7	2

14	The physiological roles of the boar ejaculate. <i>Bioscientifica Proceedings</i> ,	1	2
13	The melatonin concentration in boar seminal plasma: A predictive in vivo fertility marker?. <i>Animal Reproduction Science</i> , 2016 , 169, 131	2	1
12	The cytokine platelet factor 4 successfully replaces bovine serum albumin for the in vitro culture of porcine embryos. <i>Theriogenology</i> , 2020 , 148, 201-207	2.7	1
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5	Vitrification Effects on the Transcriptome of -Derived Porcine Morulae. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 771996	2.9	0
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