Joan E Rodrguez Gil

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151 papers	3,835 citations	36 h-index	52 g-index
159 ext. papers	4,432 ext. citations	2.8 avg, IF	5.23 L-index

#	Paper	IF	Citations
151	Insulin-dependent diabetes affects testicular function by FSH- and LH-linked mechanisms. *Journal of Andrology*, **2004**, 25, 706-19		235
150	Identification of sperm subpopulations with specific motility characteristics in stallion ejaculates. *Theriogenology*, **2003**, 59, 1973-90	2.8	113
149	trans-Resveratrol, a natural antioxidant from grapes, increases sperm output in healthy rats. *Journal of Nutrition*, **2005**, 135, 757-60	4.1	101
148	Regression analyses and motile sperm subpopulation structure study as improving tools in boar semen quality analysis. *Theriogenology*, **2004**, 61, 673-90	2.8	99
147	Metabolic strategy of boar spermatozoa revealed by a metabolomic characterization. *FEBS Letters*, **2003**, 554, 342-6	3.8	97
146	Effects of glucose and fructose on motility patterns of dog spermatozoa from fresh ejaculates. *Theriogenology*, **2001**, 56, 801-15	2.8	86
145	Tungstate is an effective antidiabetic agent in streptozotocin-induced diabetic rats: a long-term study. *Diabetologia*, **2001**, 44, 507-13	10.3	78
144	Insulin-like actions of tungstate in diabetic rats. Normalization of hepatic glucose metabolism. *Journal of Biological Chemistry*, **1994**, 269, 20047-53	5.4	65
143	Vanadate treatment restores the expression of genes for key enzymes in the glucose and ketone bodies metabolism in the liver of diabetic rats. *Journal of Clinical Investigation*, **1993**, 92, 4-11	15.9	64
142	Cryotolerance of stallion spermatozoa is related to ROS production and mitochondrial membrane potential rather than to the integrity of sperm nucleus. *Andrology*, **2015**, 3, 395-407	4.2	62
141	Good and bad freezability boar ejaculates differ in the integrity of nucleoprotein structure after freeze-thawing but not in ROS levels. *Theriogenology*, **2013**, 79, 929-39	2.8	58
140	Freezing-thawing induces alterations in histone H1-DNA binding and the breaking of protein-DNA disulfide bonds in boar sperm. *Theriogenology*, **2011**, 76, 1450-64	2.8	57
139	Effects of freezing/thawing on motile sperm subpopulations of boar and donkey ejaculates. *Theriogenology*, **2008**, 70, 936-45	2.8	56
138	Artificial insemination with frozen-thawed boar sperm. *Molecular Reproduction and Development*, **2017**, 84, 802-813	2.6	54
137	GLUTs and mammalian sperm metabolism. *Journal of Andrology*, **2011**, 32, 348-55		54
136	The degree of resistance to freezing-thawing is related to specific changes in the structures of motile sperm subpopulations and mitochondrial activity in boar spermatozoa. *Theriogenology*, **2009**, 72, 784-97	2.8	52
135	Supplementing cryopreservation media with reduced glutathione increases fertility and prolificacy of sows inseminated with frozen-thawed boar semen. *Andrology*, **2014**, 2, 88-99	4.2	51

134	Multivariate cluster analysis regression procedures as tools to identify motile sperm subpopulations in rabbit semen and to predict semen fertility and litter size. *Reproduction in Domestic Animals*, **2007**, 42, 312-9	1.6	51
133	Effects of hypoosmotic incubation on acrosome and tail structure on canine spermatozoa. *Theriogenology*, **1994**, 42, 815-29	2.8	50
132	Dynamics of motile-sperm subpopulation structure in boar ejaculates subjected to "in vitro" capacitation and further "in vitro" acrosome reaction. *Theriogenology*, **2008**, 69, 501-12	2.8	49
131	Reduced glutathione and procaine hydrochloride protect the nucleoprotein structure of boar spermatozoa during freeze-thawing by stabilising disulfide bonds. *Reproduction, Fertility and Development*, **2013**, 25, 1036-50	1.8	48
130	Utilization of citrate and lactate through a lactate dehydrogenase and ATP-regulated pathway in boar spermatozoa. *Molecular Reproduction and Development*, **2006**, 73, 369-78	2.6	47
129	Evidence for a functional glycogen metabolism in mature mammalian spermatozoa. *Molecular Reproduction and Development*, **2000**, 56, 207-19	2.6	47
128	Molybdate and tungstate act like vanadate on glucose metabolism in isolated hepatocytes. *Biochemical Journal*, **1992**, 282 (Pt 3), 659-63	3.8	46
127	The increase in phosphorylation levels of serine residues of protein HSP70 during holding time at 17°C is concomitant with a higher cryotolerance of boar spermatozoa. *PLoS ONE*, **2014**, 9, e90887	3.7	45
126	Aquaporins in the male reproductive tract and sperm: Functional implications and cryobiology. *Reproduction in Domestic Animals*, **2017**, 52 Suppl 4, 12-27	1.6	44
125	The HSP90AA1 sperm content and the prediction of the boar ejaculate freezability. *Theriogenology*, **2010**, 74, 940-50	2.8	42
124	The presence and function of dopamine type 2 receptors in boar sperm: a possible role for dopamine in viability, capacitation, and modulation of sperm motility. *Biology of Reproduction*, **2009** , 80, 753-61	3.9	42
123	Effects of cryopreservation on semen quality and the expression of sperm membrane hexose transporters in the spermatozoa of Iberian pigs. *Reproduction*, **2007**, 134, 111-21	3.8	41
122	Intracellular calcium movements of boar spermatozoa during Q□vitroQcapacitation and subsequent acrosome exocytosis follow a multiple-storage place, extracellular calcium-dependent model. *Andrology*, **2015**, 3, 729-47	4.2	40
121	The improving effect of reduced glutathione on boar sperm cryotolerance is related with the intrinsic ejaculate freezability. *Cryobiology*, **2014**, 68, 251-61	2.7	39
120	AMP-activated kinase, AMPK, is involved in the maintenance of plasma membrane organization in boar spermatozoa. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 2143-51	3.8	39
119	Glucose metabolism in transgenic mice containing a chimeric P-enolpyruvate carboxykinase/bovine growth hormone gene. *FASEB Journal*, **1993**, 7, 791-800	0.9	39
118	Effect of sex sorting on CTC staining, actin cytoskeleton and tyrosine phosphorylation in bull and boar spermatozoa. *Theriogenology*, **2012**, 77, 1206-16	2.8	37
117	Gluconeogenesis-linked glycogen metabolism is important in the achievement of in vitro capacitation of dog spermatozoa in a medium without glucose. *Biology of Reproduction*, **2004**, 71, 1437-45	3.9	37

116	Oligomycin A-induced inhibition of mitochondrial ATP-synthase activity suppresses boar sperm motility and in vitro capacitation achievement without modifying overall sperm energy levels. *Reproduction, Fertility and Development*, **2014**, 26, 883-97	1.8	36
115	Anti-insulin effects of amylin and calcitonin-gene-related peptide on hepatic glycogen metabolism. *Biochemical Journal*, **1991**, 276 (Pt 3), 607-10	3.8	36
114	Tungstate treatment improves Leydig cell function in streptozotocin-diabetic rats. *Journal of Andrology*, **2005**, 26, 706-15		35
113	Effect of 655-nm diode laser on dog sperm motility. *Lasers in Medical Science*, **2005**, 20, 28-34	3.1	35
112	Use of hypometabolic TRIS extenders and high cooling rate refrigeration for cryopreservation of stallion sperm: presence and sensitivity of 5'AMP-activated protein kinase (AMPK). *Cryobiology*, **2014**, 69, 473-81	2.7	34
111	The effect of low-level laser irradiation on dog spermatozoa motility is dependent on laser output power. *Lasers in Medical Science*, **2009**, 24, 703-13	3.1	34
110	Freeze-thawing induces alterations in the protamine-1/DNA overall structure in boar sperm. *Theriogenology*, **2008**, 69, 1083-94	2.8	34
109	Effects of cryopreservation on bull spermatozoa distribution in morphometrically distinct subpopulations. *Reproduction in Domestic Animals*, **2007**, 42, 354-7	1.6	34
108	'In vitro' capacitation and acrosome reaction are concomitant with specific changes in mitochondrial activity in boar sperm: evidence for a nucleated mitochondrial activation and for the existence of a capacitation-sensitive subpopulational structure. *Reproduction in Domestic Animals*, **2011**, 46, 664-73	1.6	33
107	Mammalian sperm energy resources management and survival during conservation in refrigeration. *Reproduction in Domestic Animals*, **2006**, 41 Suppl 2, 11-20	1.6	33
106	Vanadate raises fructose 2,6-bisphosphate concentrations and activates glycolysis in rat hepatocytes. *Biochemical Journal*, **1988**, 255, 507-12	3.8	33
105	Effect of different thawing rates on post-thaw sperm viability, kinematic parameters and motile sperm subpopulations structure of bull semen. *Animal Reproduction Science*, **2008**, 109, 50-64	2.1	32
104	Combining reduced glutathione and ascorbic acid has supplementary beneficial effects on boar sperm cryotolerance. *Theriogenology*, **2015**, 83, 399-407	2.8	31
103	A RNA-Seq Analysis to Describe the Boar Sperm Transcriptome and Its Seasonal Changes. *Frontiers in Genetics*, **2019**, 10, 299	4.5	30
102	Cryopreservation-induced alterations in boar spermatozoa mitochondrial function are related to changes in the expression and location of midpiece mitofusin-2 and actin network. *Theriogenology*, **2010**, 74, 354-63	2.8	30
101	Effects of slight agitation on the quality of refrigerated boar sperm. *Animal Reproduction Science*, **1995**, 39, 141-146	2.1	30
100	Relationship of aquaporins 3 (AQP3), 7 (AQP7), and 11 (AQP11) with boar sperm resilience to withstand freeze-thawing procedures. *Andrology*, **2017**, 5, 1153-1164	4.2	28
99	Lithium restores glycogen synthesis from glucose in hepatocytes from diabetic rats. *Archives of Biochemistry and Biophysics*, **1993**, 301, 411-5	4.1	28

98	Prostaglandins E2 and F2 alpha affect glycogen synthase and phosphorylase in isolated hepatocytes. *Biochemical Journal*, **1989**, 261, 93-7	3.8	28
97	Novel identification of peripheral dopaminergic D2 receptor in male germ cells. *Journal of Cellular Biochemistry*, **2007**, 100, 141-50	4.7	27
96	Hexose transporters GLUT1 and GLUT3 are colocalized with hexokinase I in caveolae microdomains of rat spermatogenic cells. *Journal of Cellular Physiology*, **2006**, 207, 397-406	7	27
95	Tungstate administration improves the sexual and reproductive function in female rats with streptozotocin-induced diabetes. *Human Reproduction*, **2007**, 22, 2128-35	5.7	27
94	Current knowledge on boar sperm metabolism: Comparison with other mammalian species. *Theriogenology*, **2016**, 85, 4-11	2.8	26
93	Melatonin receptors MT1 and MT2 are expressed in spermatozoa from several seasonal and nonseasonal breeder species. *Theriogenology*, **2016**, 86, 1958-68	2.8	26
92	Specific LED-based red light photo-stimulation procedures improve overall sperm function and reproductive performance of boar ejaculates. *Scientific Reports*, **2016**, 6, 22569	4.9	26
91	Hexose-specificity of hexokinase and ADP-dependence of pyruvate kinase play important roles in the control of monosaccharide utilization in freshly diluted boar spermatozoa. *Molecular Reproduction and Development*, **2006**, 73, 1179-94	2.6	25
90	Effect of seminal plasma proteins on the motile sperm subpopulations in ram ejaculates. *Reproduction, Fertility and Development*, **2017**, 29, 394-405	1.8	24
89	Viable and morphologically normal boar spermatozoa alter the expression of heat-shock protein genes in oviductal epithelial cells during co-culture in vitro. *Molecular Reproduction and Development*, **2014**, 81, 805-19	2.6	24
88	Subjecting horse spermatozoa to hypoosmotic incubation: effects of ouabain. *Theriogenology*, **1997**, 47, 765-84	2.8	24
87	Natural Mediterranean photoperiod does not affect the main parameters of boar-semen quality analysis. *Theriogenology*, **2005**, 64, 934-46	2.8	24
86	Lithium⊖ effects on rat liver glucose metabolism in vivo. *Archives of Biochemistry and Biophysics*, **2000**, 375, 377-84	4.1	24
85	Effects of ouabain on the response to osmotic changes in dog and boar spermatozoa. *Theriogenology*, **1996**, 45, 873-88	2.8	22
84	Aquaporins 7 and 11 in boar spermatozoa: detection, localisation and relationship with sperm quality. *Reproduction, Fertility and Development*, **2016**, 28, 663-72	1.8	21
83	Variations in the proportion of glycolytic/non-glycolytic energy substrates modulate sperm membrane integrity and function in diluted boar samples stored at 15-17 degrees C. *Reproduction in Domestic Animals*, **2005**, 40, 448-53	1.6	21
82	A technical assessment of the porcine ejaculated spermatozoa for a sperm-specific RNA-seq analysis. *Systems Biology in Reproductive Medicine*, **2018**, 64, 291-303	2.9	20
81	Evaluation of sperm motility with CASA-Mot: which factors may influence our measurements?. *Reproduction, Fertility and Development*, **2018**, 30, 789-798	1.8	20

80	Activation by vanadate of glycolysis in hepatocytes from diabetic rats. *Diabetes*, **1991**, 40, 1355-9	0.9	20
79	Resistance to hyperosmotic stress in boar spermatozoa: the role of the ionic pumps and the relationship with cryosurvival. *Animal Reproduction Science*, **1997**, 48, 301-15	2.1	19
78	The addition of reduced glutathione to cryopreservation media induces changes in the structure of motile subpopulations of frozen-thawed boar sperm. *Cryobiology*, **2017**, 78, 56-64	2.7	18
77	Lithium inhibits hepatic gluconeogenesis and phosphoenolpyruvate carboxykinase gene expression. *Journal of Biological Chemistry*, **1992**, 267, 2888-93	5.4	18
76	The presence of a high-Km hexokinase activity in dog, but not in boar, sperm. *FEBS Letters*, **2004**, 570, 211-6	3.8	17
75	First evidence for the presence of aquaporins in stallion sperm. *Reproduction in Domestic Animals*, **2017**, 52 Suppl 4, 61-64	1.6	16
74	Identification of circular RNAs in porcine sperm and evaluation of their relation to sperm motility. *Scientific Reports*, **2020**, 10, 7985	4.9	16
73	Artificial Insemination in Boar Reproduction **2013**, 589-607		16
72	Glucose- and fructose-induced dog-sperm glycogen synthesis shows specific changes in the location of the sperm glycogen deposition. *Molecular Reproduction and Development*, **2003**, 64, 349-59	2.6	16
71	Adenovirus-mediated introduction of DNA into pig sperm and offspring. *Molecular Reproduction and Development*, **1999**, 53, 149-58	2.6	16
70	Presence and function of dopamine transporter (DAT) in stallion sperm: dopamine modulates sperm motility and acrosomal integrity. *PLoS ONE*, **2014**, 9, e112834	3.7	16
69	Aquaporin 11 is related to cryotolerance and fertilising ability of frozen-thawed bull spermatozoa. *Reproduction, Fertility and Development*, **2018**, 30, 1099-1108	1.8	16
68	Aquaglyceroporins 3 and 7 in bull spermatozoa: identification, localisation and their relationship with sperm cryotolerance. *Reproduction, Fertility and Development*, **2017**, 29, 1249-1259	1.8	15
67	Impact of light irradiation on preservation and function of mammalian spermatozoa. *Animal Reproduction Science*, **2018**, 194, 19-32	2.1	15
66	Effect of column filtration upon the quality parameters of fresh dog semen. *Theriogenology*, **1998**, 50, 1171-89	2.8	15
65	Control of glycogen synthase and phosphorylase in hepatocytes from diabetic rats. Effects of glucagon, vasopressin, and vanadate. *Diabetes*, **1989**, 38, 793-8	0.9	15
64	Aquaporins in boar spermatozoa. Part II: detection and localisation of aquaglyceroporin 3. *Reproduction, Fertility and Development*, **2017**, 29, 703-711	1.8	14
63	In vitro capacitation and acrosome reaction of dog spermatozoa can be feasibly attained in a defined medium without glucose. *Reproduction in Domestic Animals*, **2004**, 39, 129-35	1.6	14

62	Effects of reduced glutathione on acrosin activity in frozen-thawed boar spermatozoa. *Reproduction, Fertility and Development*, **2017**, 29, 283-293	1.8	13
61	Modulation of the biochemical composition of amniotic and allantoic fluids as a control mechanism of feline foetal development. *Placenta*, **2012**, 33, 522-7	3.4	13
60	Tyrosine phosphorylation of vitreous inflammatory and angiogenic peptides and proteins in diabetic retinopathy **2009**, 50, 1378-82		13
59	Effects of exposing boars to different artificial light regimens on semen plasma markers and "in vivo" fertilizing capacity. *Theriogenology*, **2006**, 65, 317-31	2.8	13
58	Ion-mediated resistance to osmotic changes of ram spermatozoa: the role of amiloride and ouabain. *Theriogenology*, **2000**, 54, 1453-67	2.8	12
57	The achievement of boar sperm in□vitro capacitation is related to an increase of disrupted disulphide bonds and intracellular reactive oxygen species levels. *Andrology*, **2018**, 6, 781-797	4.2	11
56	"In vitro" capacitation and subsequent acrosome reaction are related to changes in the expression and location of midpiece actin and mitofusin-2 in boar spermatozoa. *Theriogenology*, **2012**, 77, 979-88	2.8	11
55	Glucose and fructose as functional modulators of overall dog, but not boar sperm function. *Reproduction, Fertility and Development*, **2011**, 23, 468-80	1.8	11
54	Effects of filtration through Sephadex columns improve overall quality parameters and "in vivo" fertility of subfertile refrigerated boar-semen. *Animal Reproduction Science*, **2009**, 115, 189-200	2.1	11
53	Expression of the GM-CSF receptor in ovine spermatozoa: GM-CSF effect on sperm viability and motility of sperm subpopulations after the freezing-thawing process. *Theriogenology*, **2007**, 67, 1359-70	2.8	11
52	Effects of constant, 9 and 16-h light cycles on sperm quality, semen storage ability and motile sperm subpopulations structure of boar semen. *Reproduction in Domestic Animals*, **2006**, 41, 386-93	1.6	11
51	Roles of Na(+)/K(+)-dependent ATPase, Na(+)/H(+) antiporter and GLUT hexose transporters in the cryosurvival of dog spermatozoa: effects on viability, acrosome state and motile sperm subpopulation structure. *Theriogenology*, **2011**, 75, 1669-81	2.8	10
50	Effects of matrix filtration of low-quality boar semen doses on sperm quality. *Reproduction in Domestic Animals*, **2009**, 44, 499-503	1.6	10
49	Effects of filtration of semen doses from subfertile boars through neuter Sephadex columns. *Reproduction in Domestic Animals*, **2008**, 43, 48-52	1.6	10
48	Effects of vanadate on protein kinases in rat hepatocytes. *Biochemical Journal*, **1989**, 262, 563-7	3.8	10
47	Melatonin affects the motility and adhesiveness of in□vitro capacitated boar spermatozoa via a mechanism that does not depend on intracellular ROS levels. *Andrology*, **2018**, 6, 720-736	4.2	10
46	Red-light stimulation of boar semen prior to artificial insemination improves field fertility in farms: A worldwide survey. *Reproduction in Domestic Animals*, **2019**, 54, 1145-1148	1.6	9
45	In vitro assessment of egg yolk-, soya bean lecithin- and liposome-based extenders for cryopreservation of dairy bull semen. *Animal Reproduction Science*, **2020**, 215, 106315	2.1	9

44	Placental and uterine expression of GLUT3, but not GLUT1, is related with serum progesterone levels during the first stages of pregnancy in queens. *Theriogenology*, **2018**, 121, 82-90	2.8	8
43	Neuronal signaling repertoire in the mammalian sperm functionality. *Biology of Reproduction*, **2017**, 96, 505-524	3.9	8
42	Activation by vanadate of glycolysis in hepatocytes from diabetic rats. *Diabetes*, **1991**, 40, 1355-1359	0.9	8
41	Photostimulation and thermotaxis of sperm: Overview and practical implications in porcine reproduction. *Theriogenology*, **2019**, 137, 8-14	2.8	7
40	Chlorogenic acid improves the quality of boar semen subjected to cooled storage at 15°C. *Andrologia*, **2018**, 50, e12978	2.4	7
39	In vitro capacitation and further in vitro progesterone-induced acrosome exocytosis are linked to specific changes in the expression and acrosome location of protein phosphorylation in serine residues of boar spermatozoa. *Reproduction in Domestic Animals*, **2012**, 47, 766-76	1.6	7
38	Red-Light Irradiation of Horse Spermatozoa Increases Mitochondrial Activity and Motility through Changes in the Motile Sperm Subpopulation Structure. *Biology*, **2020**, 9,	4.9	7
37	Effect of different light sources on reproductive anatomy and physiology of Japanese quail (Coturnix coturnix japonica). *Animal Reproduction Science*, **2016**, 168, 50-56	2.1	7
36	Effects of red-light irradiation on the function and survival of fresh and liquid-stored donkey semen. *Theriogenology*, **2020**, 149, 88-97	2.8	6
35	Diabetic Retinopathy Is Associated with Decreased Tyrosine Nitrosylation of Vitreous Interleukins IL-1 IL-1 and IL-7. *Ophthalmic Research*, **2011**, 46, 169-74	2.9	6
34	Lithium ions increase hepatic glycogen synthase stability through a proteasome-related mechanism. *Archives of Biochemistry and Biophysics*, **2007**, 457, 29-34	4.1	6
33	Glucose and fructose have sugar-specific effects in both liver and skeletal muscle in vivo: a role for liver fructokinase. *PLoS ONE*, **2014**, 9, e109726	3.7	6
32	Supplementing Maturation Medium With Insulin Growth Factor I and Vitrification-Warming Solutions With Reduced Glutathione Enhances Survival Rates and Development Ability of Matured Vitrified-Warmed Pig Oocytes. *Frontiers in Physiology*, **2018**, 9, 1894	4.6	5
31	A pilot RNA-seq study in 40 pietrain ejaculates to characterize the porcine sperm microbiome. *Theriogenology*, **2020**, 157, 525-533	2.8	5
30	Red LED Light Acts on the Mitochondrial Electron Chain of Donkey Sperm and Its Effects Depend on the Time of Exposure to Light. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 588621	5.7	5
29	Uterine and placental specific localization of AQP2 and AQP8 is related with changes of serum progesterone levels in pregnant queens. *Theriogenology*, **2020**, 142, 149-157	2.8	5
28	Voltage-dependent anion channel 2 is involved in in vitro capacitation of boar sperm. *Reproduction in Domestic Animals*, **2017**, 52 Suppl 4, 65-68	1.6	4
27	A systems biology framework integrating GWAS and RNA-seq to shed light on the molecular basis of sperm quality in swine. *Genetics Selection Evolution*, **2020**, 52, 72	4.9	4

26	Pro-inflammatory cytokines: Useful markers for the diagnosis of canine mammary tumours?. *Veterinary Journal*, **2016**, 210, 92-4	2.5	4
25	Partial foetal retention following aglepristone treatment in a bitch. *Reproduction in Domestic Animals*, **2011**, 46, 738-41	1.6	4
24	Prostaglandins E2 and F2 alpha increase fructose 2,6-bisphosphate levels in isolated hepatocytes. *Biochemical Journal*, **1991**, 274 (Pt 1), 309-12	3.8	4
23	Irradiating frozen-thawed stallion sperm with red-light increases their resilience to withstand post-thaw incubation at 38□C. *Theriogenology*, **2020**, 157, 85-95	2.8	4
22	Characterisation of sperm piRNAs and their correlation with semen quality traits in swine. *Animal Genetics*, **2021**, 52, 114-120	2.5	4
21	Addition of insulin-like growth factor I (IGF-I) and reduced glutathione (GSH) to cryopreserved boar semen. *Animal Reproduction Science*, **2019**, 208, 106130	2.1	3
20	Advances in sperm cryopreservation in farm animals: Cattle, horse, pig and sheep. *Animal Reproduction Science*, **2021**, 106904	2.1	3
19	Control of glycogen synthase and phosphorylase in hepatocytes from diabetic rats. Effects of glucagon, vasopressin, and vanadate. *Diabetes*, **1989**, 38, 793-798	0.9	3
18	"In vitro" capacitation and further progesterone-induced acrosome exocytosis are linked to specific changes in the expression and location of threonine phosphorylation of boar spermatozoa. *Reproduction in Domestic Animals*, **2019**, 54, 1085-1094	1.6	2
17	The Wnt1 ligand/Frizzled 3 receptor system plays a regulatory role in the achievement of the Qin vitroQcapacitation and subsequent Qin vitroQacrosome exocytosis of porcine spermatozoa. *Andrology*, **2015**, 3, 357-67	4.2	2
16	Biological Aspects of the Mature Boar Spermatozoon **2013**, 49-64		2
15	Red LED Light Acts on the Mitochondrial Electron Chain of Mammalian Sperm via Light-Time Exposure-Dependent Mechanisms. *Cells*, **2020**, 9,	7.9	2
14	Medium-term effects of the diluted pig semen irradiation with red LED light on the integrity of nucleoprotein structure and resilience to withstand thermal stress. *Theriogenology*, **2020**, 157, 388-398	2.8	2
13	Semen quality and reproductive performance of boars kept in pens containing conventional coffee husk as a floor covering. *Revista Brasileira De Zootecnia*, **2016**, 45, 365-371	1.2	2
12	Characterization of the Impact of Density Gradient Centrifugation on the Profile of the Pig Sperm Transcriptome by RNA-Seq. *Frontiers in Veterinary Science*, **2021**, 8, 668158	3.1	2
11	Expression of a green fluorescence protein-carrier protein into mouse spermatozoa. *Biochemical and Biophysical Research Communications*, **2002**, 297, 841-6	3.4	1
10	Identification of circular RNAs in porcine sperm and their relation to sperm motility		1
9	Whole genome sequencing identifies allelic ratio distortion in sperm involving genes related to spermatogenesis in a swine model. *DNA Research*, **2020**, 27,	4.5	1

8	The Effects of Red Light on Mammalian Sperm Rely upon the Color of the Straw and the Medium Used. *Animals*, **2021**, 11,	3.1	1
7	Effects of coffee husk as floor covering on the behavior of boars. *Revista Brasileira De Zootecnia*, **2017**, 46, 883-889	1.2	0
6	The onset of age-related benign prostatic hyperplasia is concomitant with increased serum and prostatic expression of VEGF in rats: Potential role of VEGF as a marker for early prostatic alterations.. *Theriogenology*, **2022**, 183, 69-78	2.8	0
5	Semen quality and freezability analysis during breeding and non-breeding seasons in heavy draft stallions in southern Chile. *Andrologia*, **2020**, 52, e13797	2.4	0
4	Addition of chlorogenic acid and caffeine during the processing of cooled boar semen. *Arquivo Brasileiro De Medicina Veterinaria E Zootecnia*, **2019**, 71, 489-499	0.3	
3	Tyrosine phosphorylation is not a relevant mechanism to modulate aquaporin 2 activity in gestational queen endometrium and placenta. *Reproduction in Domestic Animals*, **2020**, 55, 448-453	1.6	
2	Effect of 655 nm laser different powers on dog sperm motility parameters **2006**, 6191, 27		
1	L-LACTATE PRODUCTION: A FEASIBLE PARAMETER FOR THE FRESH BOAR SEMEN QUALITY ANALYSIS. *Reproduction in Domestic Animals*, **1995**, 31, 253-254	1.6	