

Joan E RodrÃ-iguez Gil

List of Publications by Year in descending order

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Version: 2024-02-01

155
papers

5,059
citations

70961

41
h-index

128067

60
g-index

159
all docs

159
docs citations

159
times ranked

3528
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in sperm cryopreservation in farm animals: Cattle, horse, pig and sheep. <i>Animal Reproduction Science</i> , 2022, 246, 106904.	0.5	45
2	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. <i>Theriogenology</i> , 2022, 183, 69-78.	0.9	1
3	Rat age-related benign prostate hyperplasia is concomitant with an increase in the secretion of low ramified β -glycosidic polysaccharides. <i>Theriogenology</i> , 2022, 189, 150-157.	0.9	1
4	Characterisation of sperm piRNAs and their correlation with semen quality traits in swine. <i>Animal Genetics</i> , 2021, 52, 114-120.	0.6	15
5	The Effects of Red Light on Mammalian Sperm Rely upon the Color of the Straw and the Medium Used. <i>Animals</i> , 2021, 11, 122.	1.0	4
6	Characterization of the Impact of Density Gradient Centrifugation on the Profile of the Pig Sperm Transcriptome by RNA-Seq. <i>Frontiers in Veterinary Science</i> , 2021, 8, 668158.	0.9	4
7	Exogenous Albumin Is Crucial for Pig Sperm to Elicit In Vitro Capacitation Whereas Bicarbonate Only Modulates Its Efficiency. <i>Biology</i> , 2021, 10, 1105.	1.3	6
8	Uterine and placental specific localization of AQP2 and AQP8 is related with changes of serum progesterone levels in pregnant queens. <i>Theriogenology</i> , 2020, 142, 149-157.	0.9	7
9	Red LED Light Acts on the Mitochondrial Electron Chain of Mammalian Sperm via Light-Time Exposure-Dependent Mechanisms. <i>Cells</i> , 2020, 9, 2546.	1.8	12
10	Irradiating frozen-thawed stallion sperm with red-light increases their resilience to withstand post-thaw incubation at 38°C. <i>Theriogenology</i> , 2020, 157, 85-95.	0.9	8
11	A pilot RNA-seq study in 40 pietrain ejaculates to characterize the porcine sperm microbiome. <i>Theriogenology</i> , 2020, 157, 525-533.	0.9	19
12	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. <i>Theriogenology</i> , 2020, 157, 388-398.	0.9	2
13	Red-Light Irradiation of Horse Spermatozoa Increases Mitochondrial Activity and Motility through Changes in the Motile Sperm Subpopulation Structure. <i>Biology</i> , 2020, 9, 254.	1.3	11
14	Whole genome sequencing identifies allelic ratio distortion in sperm involving genes related to spermatogenesis in a swine model. <i>DNA Research</i> , 2020, 27, .	1.5	6
15	Semen quality and freezability analysis during breeding and non-breeding seasons in heavy draft stallions in southern Chile. <i>Andrologia</i> , 2020, 52, e13797.	1.0	6
16	Red LED Light Acts on the Mitochondrial Electron Chain of Donkey Sperm and Its Effects Depend on the Time of Exposure to Light. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 588621.	1.8	13
17	A systems biology framework integrating GWAS and RNA-seq to shed light on the molecular basis of sperm quality in swine. <i>Genetics Selection Evolution</i> , 2020, 52, 72.	1.2	25
18	Identification of circular RNAs in porcine sperm and evaluation of their relation to sperm motility. <i>Scientific Reports</i> , 2020, 10, 7985.	1.6	27

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19	Effects of red-light irradiation on the function and survival of fresh and liquid-stored donkey semen. <i>Theriogenology</i> , 2020, 149, 88-97.	0.9	11
20	Tyrosine phosphorylation is not a relevant mechanism to modulate aquaporin 2 activity in gestational queen endometrium and placenta. <i>Reproduction in Domestic Animals</i> , 2020, 55, 448-453.	0.6	0
21	In vitro assessment of egg yolk-, soya bean lecithin- and liposome-based extenders for cryopreservation of dairy bull semen. <i>Animal Reproduction Science</i> , 2020, 215, 106315.	0.5	24
22	Addition of insulin-like growth factor I (IGF-I) and reduced glutathione (GSH) to cryopreserved boar semen. <i>Animal Reproduction Science</i> , 2019, 208, 106130.	0.5	6
23	Addition of chlorogenic acid and caffeine during the processing of cooled boar semen. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2019, 71, 489-499.	0.1	1
24	Photostimulation and thermotaxis of sperm: Overview and practical implications in porcine reproduction. <i>Theriogenology</i> , 2019, 137, 8-14.	0.9	10
25	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. <i>Reproduction in Domestic Animals</i> , 2019, 54, 1085-1094.	0.6	4
26	Red light stimulation of boar semen prior to artificial insemination improves field fertility in farms: A worldwide survey. <i>Reproduction in Domestic Animals</i> , 2019, 54, 1145-1148.	0.6	11
27	A RNA-Seq Analysis to Describe the Boar Sperm Transcriptome and Its Seasonal Changes. <i>Frontiers in Genetics</i> , 2019, 10, 299.	1.1	53
28	Chlorogenic acid improves the quality of boar semen subjected to cooled storage at 15°C. <i>Andrologia</i> , 2018, 50, e12978.	1.0	11
29	Impact of light irradiation on preservation and function of mammalian spermatozoa. <i>Animal Reproduction Science</i> , 2018, 194, 19-32.	0.5	21
30	A technical assessment of the porcine ejaculated spermatozoa for a sperm-specific RNA-seq analysis. <i>Systems Biology in Reproductive Medicine</i> , 2018, 64, 291-303.	1.0	45
31	Melatonin affects the motility and adhesiveness of in vitro capacitated boar spermatozoa via a mechanism that does not depend on intracellular ROS levels. <i>Andrology</i> , 2018, 6, 720-736.	1.9	14
32	Aquaporin 11 is related to cryotolerance and fertilising ability of frozen-thawed bull spermatozoa. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1099.	0.1	21
33	Evaluation of sperm motility with CASA-Mot: which factors may influence our measurements?. <i>Reproduction, Fertility and Development</i> , 2018, 30, 789.	0.1	34
34	The achievement of boar sperm in vitro capacitation is related to an increase of disrupted disulphide bonds and intracellular reactive oxygen species levels. <i>Andrology</i> , 2018, 6, 781-797.	1.9	21
35	Placental and uterine expression of GLUT3, but not GLUT1, is related with serum progesterone levels during the first stages of pregnancy in queens. <i>Theriogenology</i> , 2018, 121, 82-90.	0.9	11
36	Supplementing Maturation Medium With Insulin Growth Factor I and Vitrification-Warming Solutions With Reduced Glutathione Enhances Survival Rates and Development Ability of in vitro Matured Vitrified-Warmed Pig Oocytes. <i>Frontiers in Physiology</i> , 2018, 9, 1894.	1.3	8

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37	Effects of reduced glutathione on acrosin activity in frozen-thawed boar spermatozoa. <i>Reproduction, Fertility and Development</i> , 2017, 29, 283.	0.1	19
38	Aquaporins in boar spermatozoa. Part II: detection and localisation of aquaglyceroporin 3. <i>Reproduction, Fertility and Development</i> , 2017, 29, 703.	0.1	18
39	Effect of seminal plasma proteins on the motile sperm subpopulations in ram ejaculates. <i>Reproduction, Fertility and Development</i> , 2017, 29, 394.	0.1	27
40	Aquaglyceroporins 3 and 7 in bull spermatozoa: identification, localisation and their relationship with sperm cryotolerance. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1249.	0.1	23
41	Artificial insemination with frozen-thawed boar sperm. <i>Molecular Reproduction and Development</i> , 2017, 84, 802-813.	1.0	88
42	Aquaporins in the male reproductive tract and sperm: Functional implications and cryobiology. <i>Reproduction in Domestic Animals</i> , 2017, 52, 12-27.	0.6	62
43	First evidence for the presence of aquaporins in stallion sperm. <i>Reproduction in Domestic Animals</i> , 2017, 52, 61-64.	0.6	24
44	Voltage-dependent anion channel 2 is involved in in vitro capacitation of boar sperm. <i>Reproduction in Domestic Animals</i> , 2017, 52, 65-68.	0.6	8
45	Relationship of aquaporins 3 (AQP3), 7 (AQP7), and 11 (AQP11) with boar sperm resilience to withstand freeze-thawing procedures. <i>Andrology</i> , 2017, 5, 1153-1164.	1.9	40
46	The addition of reduced glutathione to cryopreservation media induces changes in the structure of motile subpopulations of frozen-thawed boar sperm. <i>Cryobiology</i> , 2017, 78, 56-64.	0.3	27
47	Neuronal signaling repertoire in the mammalian sperm functionality. <i>Biology of Reproduction</i> , 2017, 96, 505-524.	1.2	15
48	Effects of coffee husk as floor covering on the behavior of boars. <i>Revista Brasileira De Zootecnia</i> , 2017, 46, 883-889.	0.3	2
49	P5041 Searching for allelic distortion in RNA-seq data from boar's mature sperm. <i>Journal of Animal Science</i> , 2016, 94, 135-136.	0.2	0
50	Semen quality and reproductive performance of boars kept in pens containing conventional coffee husk as a floor covering. <i>Revista Brasileira De Zootecnia</i> , 2016, 45, 365-371.	0.3	3
51	Specific LED-based red light photo-stimulation procedures improve overall sperm function and reproductive performance of boar ejaculates. <i>Scientific Reports</i> , 2016, 6, 22569.	1.6	38
52	Effect of different light sources on reproductive anatomy and physiology of Japanese quail (Coturnix) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.5	10
53	Melatonin receptors MT1 and MT2 are expressed in spermatozoa from several seasonal and nonseasonal breeder species. <i>Theriogenology</i> , 2016, 86, 1958-1968.	0.9	41
54	Pro-inflammatory cytokines: Useful markers for the diagnosis of canine mammary tumours?. <i>Veterinary Journal</i> , 2016, 210, 92-94.	0.6	6

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55	Aquaporins 7 and 11 in boar spermatozoa: detection, localisation and relationship with sperm quality. <i>Reproduction, Fertility and Development</i> , 2016, 28, 663.	0.1	31
56	Current knowledge on boar sperm metabolism: Comparison with other mammalian species. <i>Theriogenology</i> , 2016, 85, 4-11.	0.9	62
57	Intracellular calcium movements of boar spermatozoa during <i>in vitro</i> capacitation and subsequent acrosome exocytosis follow a multiple-storage place, extracellular calcium-dependent model. <i>Andrology</i> , 2015, 3, 729-747.	1.9	56
58	The Wnt1 ligand/Frizzled 3 receptor system plays a regulatory role in the achievement of the <i>in vitro</i> capacitation and subsequent <i>in vitro</i> acrosome exocytosis of porcine spermatozoa. <i>Andrology</i> , 2015, 3, 357-367.	1.9	4
59	Combining reduced glutathione and ascorbic acid has supplementary beneficial effects on boar sperm cryotolerance. <i>Theriogenology</i> , 2015, 83, 399-407.	0.9	47
60	Cryotolerance of stallion spermatozoa is related to ROS production and mitochondrial membrane potential rather than to the integrity of sperm nucleus. <i>Andrology</i> , 2015, 3, 395-407.	1.9	86
61	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. <i>PLoS ONE</i> , 2014, 9, e90887.	1.1	60
62	Supplementing cryopreservation media with reduced glutathione increases fertility and prolificacy of sows inseminated with frozen-thawed boar semen. <i>Andrology</i> , 2014, 2, 88-99.	1.9	66
63	Viable and morphologically normal boar spermatozoa alter the expression of heat shock protein genes in oviductal epithelial cells during co-culture in vitro. <i>Molecular Reproduction and Development</i> , 2014, 81, 805-819.	1.0	30
64	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). <i>Cryobiology</i> , 2014, 69, 473-481.	0.3	42
65	The improving effect of reduced glutathione on boar sperm cryotolerance is related with the intrinsic ejaculate freezability. <i>Cryobiology</i> , 2014, 68, 251-261.	0.3	51
66	Oligomycin A-induced inhibition of mitochondrial ATP-synthase activity suppresses boar sperm motility and in vitro capacitation achievement without modifying overall sperm energy levels. <i>Reproduction, Fertility and Development</i> , 2014, 26, 883.	0.1	47
67	Glucose and Fructose Have Sugar-Specific Effects in Both Liver and Skeletal Muscle In Vivo: A Role for Liver Fructokinase. <i>PLoS ONE</i> , 2014, 9, e109726.	1.1	8
68	Presence and Function of Dopamine Transporter (DAT) in Stallion Sperm: Dopamine Modulates Sperm Motility and Acrosomal Integrity. <i>PLoS ONE</i> , 2014, 9, e112834.	1.1	24
69	AMP-activated kinase, AMPK, is involved in the maintenance of plasma membrane organization in boar spermatozoa. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2143-2151.	1.4	56
70	Good and bad freezability boar ejaculates differ in the integrity of nucleoprotein structure after freeze-thawing but not in ROS levels. <i>Theriogenology</i> , 2013, 79, 929-939.	0.9	75
71	Artificial Insemination in Boar Reproduction. , 2013, , 589-607.		24
72	Reduced glutathione and procaine hydrochloride protect the nucleoprotein structure of boar spermatozoa during freeze-thawing by stabilising disulfide bonds. <i>Reproduction, Fertility and Development</i> , 2013, 25, 1036.	0.1	56

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73	Biological Aspects of the Mature Boar Spermatozoon. , 2013, , 49-64.		3
74	âœln vitroâœ•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, 979-988.	0.9	14
75	Effect of sex sorting on CTC staining, actin cytoskeleton and tyrosine phosphorylation in bull and boar spermatozoa. Theriogenology, 2012, 77, 1206-1216.	0.9	47
76	Modulation of the biochemical composition of amniotic and allantoic fluids as a control mechanism of feline foetal development. Placenta, 2012, 33, 522-527.	0.7	15
77	âœ<i>In Vitro</i>âœ™ Capacitation and Further âœ<i>In Vitro</i>âœ™ ProgesteroneâœInduced 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, 766-776.	0.6	9
78	GLUTs and Mammalian Sperm Metabolism. Journal of Andrology, 2011, 32, 348-355.	2.0	79
79	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, 1669-1681.	0.9	13
80	Freezing-thawing induces alterations in histone H1-DNA binding and the breaking of protein-DNA disulfide bonds in boar sperm. Theriogenology, 2011, 76, 1450-1464.	0.9	76
81	Glucose and fructose as functional modulators of overall dog, but not boar sperm function. Reproduction, Fertility and Development, 2011, 23, 468.	0.1	14
82	Partial Foetal Retention Following Aglepristone Treatment in a Bitch. Reproduction in Domestic Animals, 2011, 46, 738-741.	0.6	5
83	âœ<i>In Vitro</i>âœ™ 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 CapacitationâœSensitive Subpopulational Structure. Reproduction in Domestic Animals, 2011, 46, 664-673.	0.6	51
84	Diabetic Retinopathy Is Associated with Decreased Tyrosine Nitrosylation of Vitreous Interleukins IL-1Î±, IL-1Î², and IL-7. Ophthalmic Research, 2011, 46, 169-174.	1.0	10
85	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, 354-363.	0.9	37
86	The HSP90AA1 sperm content and the prediction of the boar ejaculate freezability. Theriogenology, 2010, 74, 940-950.	0.9	61
87	Tyrosine Phosphorylation of Vitreous Inflammatory and Angiogenic Peptides and Proteins in Diabetic Retinopathy. , 2009, 50, 1378.		14
88	The Presence and Function of Dopamine Type 2 Receptors in Boar Sperm: A Possible Role for Dopamine in Viability, Capacitation, and Modulation of Sperm Motility1. Biology of Reproduction, 2009, 80, 753-761.	1.2	55
89	The effect of low-level laser irradiation on dog spermatozoa motility is dependent on laser output power. Lasers in Medical Science, 2009, 24, 703-713.	1.0	38
90	Effects of Matrix Filtration of LowâœQuality Boar Semen Doses on Sperm Quality. Reproduction in Domestic Animals, 2009, 44, 499-503.	0.6	12

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91	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. <i>Theriogenology</i> , 2009, 72, 784-797.	0.9	55
92	Effects of filtration through Sephadex columns improve overall quality parameters and <i>in vivo</i> fertility of subfertile refrigerated boar-semen. <i>Animal Reproduction Science</i> , 2009, 115, 189-200.	0.5	11
93	75 GLUCOSE CONCENTRATION OF FREEZING EXTENDER MODULATES THE TYROSINE PHOSPHORYLATION PATTERN OF FROZEN-THAWED BOAR SPERMATOZOA. <i>Reproduction, Fertility and Development</i> , 2009, 21, 138.	0.1	0
94	Effects of Filtration of Semen Doses from Subfertile Boars through Neuter Sephadex Columns. <i>Reproduction in Domestic Animals</i> , 2008, 43, 48-52.	0.6	15
95	Effect of different thawing rates on post-thaw sperm viability, kinematic parameters and motile sperm subpopulations structure of bull semen. <i>Animal Reproduction Science</i> , 2008, 109, 50-64.	0.5	45
96	Dynamics of motile-sperm subpopulation structure in boar ejaculates subjected to <i>in vitro</i> capacitation and further <i>in vitro</i> acrosome reaction. <i>Theriogenology</i> , 2008, 69, 501-512.	0.9	57
97	Freeze-thawing induces alterations in the protamine-1/DNA overall structure in boar sperm. <i>Theriogenology</i> , 2008, 69, 1083-1094.	0.9	44
98	Effects of freezing/thawing on motile sperm subpopulations of boar and donkey ejaculates. <i>Theriogenology</i> , 2008, 70, 936-945.	0.9	62
99	Tungstate administration improves the sexual and reproductive function in female rats with streptozotocin-induced diabetes. <i>Human Reproduction</i> , 2007, 22, 2128-2135.	0.4	36
100	Effects of cryopreservation on semen quality and the expression of sperm membrane hexose transporters in the spermatozoa of Iberian pigs. <i>Reproduction</i> , 2007, 134, 111-121.	1.1	53
101	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. <i>Theriogenology</i> , 2007, 67, 1359-1370.	0.9	15
102	Lithium ions increase hepatic glycogen synthase stability through a proteasome-related mechanism. <i>Archives of Biochemistry and Biophysics</i> , 2007, 457, 29-34.	1.4	6
103	Novel identification of peripheral dopaminergic D2 receptor in male germ cells. <i>Journal of Cellular Biochemistry</i> , 2007, 100, 141-150.	1.2	37
104	Multivariate Cluster Analysis Regression Procedures as Tools to Identify Motile Sperm Subpopulations in Rabbit Semen and to Predict Semen Fertility and Litter Size. <i>Reproduction in Domestic Animals</i> , 2007, 42, 312-319.	0.6	57
105	Effects of Cryopreservation on Bull Spermatozoa Distribution in Morphometrically Distinct Subpopulations. <i>Reproduction in Domestic Animals</i> , 2007, 42, 354-357.	0.6	35
106	Effects of exposing boars to different artificial light regimens on semen plasma markers and <i>in vivo</i> fertilizing capacity. <i>Theriogenology</i> , 2006, 65, 317-331.	0.9	15
107	Effect of 655 nm laser different powers on dog sperm motility parameters. , 2006, 6191, 27.		0
108	Effects of Constant, 9 and 16-h Light Cycles on Sperm Quality, Semen Storage Ability and Motile Sperm Subpopulations Structure of Boar Semen. <i>Reproduction in Domestic Animals</i> , 2006, 41, 386-393.	0.6	11

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109	Utilization of citrate and lactate through a lactate dehydrogenase and ATP-regulated pathway in boar spermatozoa. <i>Molecular Reproduction and Development</i> , 2006, 73, 369-378.	1.0	56
110	Hexose-specificity of hexokinase and ADP-dependence of pyruvate kinase play important roles in the control of monosaccharide utilization in freshly diluted boar spermatozoa. <i>Molecular Reproduction and Development</i> , 2006, 73, 1179-1194.	1.0	34
111	Mammalian Sperm Energy Resources Management and Survival during Conservation in Refrigeration. <i>Reproduction in Domestic Animals</i> , 2006, 41, 11-20.	0.6	43
112	Hexose transporters GLUT1 and GLUT3 are colocalized with hexokinase I in caveolae microdomains of rat spermatogenic cells. <i>Journal of Cellular Physiology</i> , 2006, 207, 397-406.	2.0	29
113	trans-Resveratrol, a Natural Antioxidant from Grapes, Increases Sperm Output in Healthy Rats. <i>Journal of Nutrition</i> , 2005, 135, 757-760.	1.3	126
114	Variations in the Proportion of Glycolytic/Non-glycolytic Energy Substrates Modulate Sperm Membrane Integrity and Function in Diluted Boar Samples Stored at 15-17°C. <i>Reproduction in Domestic Animals</i> , 2005, 40, 448-453.	0.6	29
115	Effect of 655-nm diode laser on dog sperm motility. <i>Lasers in Medical Science</i> , 2005, 20, 28-34.	1.0	45
116	Natural Mediterranean photoperiod does not affect the main parameters of boar-semen quality analysis. <i>Theriogenology</i> , 2005, 64, 934-946.	0.9	26
117	Tungstate Treatment Improves Leydig Cell Function in Streptozotocin-Diabetic Rats. <i>Journal of Andrology</i> , 2005, 26, 706-715.	2.0	40
118	Gluconeogenesis-Linked Glycogen Metabolism Is Important in the Achievement of In Vitro Capacitation of Dog Spermatozoa in a Medium Without Glucose ¹ . <i>Biology of Reproduction</i> , 2004, 71, 1437-1445.	1.2	46
119	In vitro Capacitation and Acrosome Reaction of Dog Spermatozoa can be Feasibly Attained in a Defined Medium Without Glucose. <i>Reproduction in Domestic Animals</i> , 2004, 39, 129-135.	0.6	18
120	The presence of a high-K _m hexokinase activity in dog, but not in boar, sperm. <i>FEBS Letters</i> , 2004, 570, 211-216.	1.3	28
121	Regression analyses and motile sperm subpopulation structure study as improving tools in boar semen quality analysis. <i>Theriogenology</i> , 2004, 61, 673-690.	0.9	112
122	Insulin-Dependent Diabetes Affects Testicular Function by FSH- and LH-Linked Mechanisms. <i>Journal of Andrology</i> , 2004, 25, 706-719.	2.0	283
123	Glucose- and fructose-induced dog-sperm glycogen synthesis shows specific changes in the location of the sperm glycogen deposition. <i>Molecular Reproduction and Development</i> , 2003, 64, 349-359.	1.0	22
124	Metabolic strategy of boar spermatozoa revealed by a metabolomic characterization. <i>FEBS Letters</i> , 2003, 554, 342-346.	1.3	123
125	Identification of sperm subpopulations with specific motility characteristics in stallion ejaculates. <i>Theriogenology</i> , 2003, 59, 1973-1990.	0.9	133
126	Expression of a green fluorescence protein-carrier protein into mouse spermatozoa. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 841-846.	1.0	1

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127	Effects of glucose and fructose on motility patterns of dog spermatozoa from fresh ejaculates. <i>Theriogenology</i> , 2001, 56, 801-815.	0.9	98
128	Tungstate is an effective antidiabetic agent in streptozotocin-induced diabetic rats: a long-term study. <i>Diabetologia</i> , 2001, 44, 507-513.	2.9	99
129	Evidence for a functional glycogen metabolism in mature mammalian spermatozoa. , 2000, 56, 207-219.		60
130	Lithium's Effects on Rat Liver Glucose Metabolism in Vivo. <i>Archives of Biochemistry and Biophysics</i> , 2000, 375, 377-384.	1.4	34
131	Ion-mediated resistance to osmotic changes of ram spermatozoa: The role of amiloride and ouabain. <i>Theriogenology</i> , 2000, 54, 1453-1467.	0.9	16
132	Adenovirus-mediated introduction of DNA into pig sperm and offspring. <i>Molecular Reproduction and Development</i> , 1999, 53, 149-158.	1.0	20
133	Effect of column filtration upon the quality parameters of fresh dog semen. <i>Theriogenology</i> , 1998, 50, 1171-1189.	0.9	17
134	Subjecting horse spermatozoa to hypoosmotic incubation: Effects of ouabain. <i>Theriogenology</i> , 1997, 47, 765-784.	0.9	27
135	Resistance to hyperosmotic stress in boar spermatozoa: the role of the ionic pumps and the relationship with cryosurvival. <i>Animal Reproduction Science</i> , 1997, 48, 301-315.	0.5	19
136	Effects of ouabain on the response to osmotic changes in dog and boar spermatozoa. <i>Theriogenology</i> , 1996, 45, 873-888.	0.9	24
137	L-LACTATE PRODUCTION: A FEASIBLE PARAMETER FOR THE FRESH BOAR SEMEN QUALITY ANALYSIS. <i>Reproduction in Domestic Animals</i> , 1995, 31, 253-254.	0.6	0
138	ROLE OF THE NA ⁺ /K ⁺ -DEPENDENT ATP-ASE IN THE RESISTANCE OF BOAR SPERMATOZOA TO OSMOTIC CHANGES. <i>Reproduction in Domestic Animals</i> , 1995, 31, 267-268.	0.6	0
139	Effects of slight agitation on the quality of refrigerated boar sperm. <i>Animal Reproduction Science</i> , 1995, 39, 141-146.	0.5	33
140	Effects of hypoosmotic incubation on acrosome and tail structure on canine spermatozoa. <i>Theriogenology</i> , 1994, 42, 815-829.	0.9	54
141	Insulin-like actions of tungstate in diabetic rats. Normalization of hepatic glucose metabolism. <i>Journal of Biological Chemistry</i> , 1994, 269, 20047-53.	1.6	66
142	Lithium Restores Glycogen Synthesis from Glucose in Hepatocytes from Diabetic Rats. <i>Archives of Biochemistry and Biophysics</i> , 1993, 301, 411-415.	1.4	32
143	Glucose metabolism in transgenic mice containing a chimeric Pâ€nolpyruvate carboxykinase/bovine growth hormone gene. <i>FASEB Journal</i> , 1993, 7, 791-800.	0.2	48
144	Vanadate treatment restores the expression of genes for key enzymes in the glucose and ketone bodies metabolism in the liver of diabetic rats.. <i>Journal of Clinical Investigation</i> , 1993, 92, 4-11.	3.9	74

#	ARTICLE	IF	CITATIONS
145	Molybdate and tungstate act like vanadate on glucose metabolism in isolated hepatocytes. Biochemical Journal, 1992, 282, 659-663.	1.7	49
146	Lithium inhibits hepatic gluconeogenesis and phosphoenolpyruvate carboxykinase gene expression. Journal of Biological Chemistry, 1992, 267, 2888-93.	1.6	19
147	Prostaglandins E2 and F2± increase fructose 2,6-bisphosphate levels in isolated hepatocytes. Biochemical Journal, 1991, 274, 309-312.	1.7	5
148	Anti-insulin effects of amylin and calcitonin-gene-related peptide on hepatic glycogen metabolism. Biochemical Journal, 1991, 276, 607-610.	1.7	38
149	Activation by Vanadate of Glycolysis in Hepatocytes From Diabetic Rats. Diabetes, 1991, 40, 1355-1359.	0.3	25
150	Activation by vanadate of glycolysis in hepatocytes from diabetic rats. Diabetes, 1991, 40, 1355-1359.	0.3	10
151	Control of Glycogen Synthase and Phosphorylase in Hepatocytes From Diabetic Rats: Effects of Glucagon, Vasopressin, and Vanadate. Diabetes, 1989, 38, 793-798.	0.3	16
152	Prostaglandins E2 and F2± affect glycogen synthase and phosphorylase in isolated hepatocytes. Biochemical Journal, 1989, 261, 93-97.	1.7	29
153	Effects of vanadate on protein kinases in rat hepatocytes. Biochemical Journal, 1989, 262, 563-567.	1.7	11
154	Control of glycogen synthase and phosphorylase in hepatocytes from diabetic rats. Effects of glucagon, vasopressin, and vanadate. Diabetes, 1989, 38, 793-798.	0.3	4
155	Vanadate raises fructose 2,6-bisphosphate concentrations and activates glycolysis in rat hepatocytes. Biochemical Journal, 1988, 255, 507-12.	1.7	35