

Joaqu  n Gadea

List of Publications by Year in descending order

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97
papers

2,833
citations

109321

35
h-index

182427

51
g-index

98
all docs

98
docs citations

98
times ranked

2350
citing authors

#	ARTICLE	IF	CITATIONS
1	Decrease in glutathione content in boar sperm after cryopreservation. <i>Theriogenology</i> , 2004, 62, 690-701.	2.1	216
2	Sperm factors related to in vitro and in vivo porcine fertility. <i>Theriogenology</i> , 2005, 63, 431-444.	2.1	145
3	Reduced glutathione content in human sperm is decreased after cryopreservation: Effect of the addition of reduced glutathione to the freezing and thawing extenders. <i>Cryobiology</i> , 2011, 62, 40-46.	0.7	125
4	Dietary supplementation with docosahexaenoic acid (DHA) improves seminal antioxidant status and decreases sperm DNA fragmentation. <i>Systems Biology in Reproductive Medicine</i> , 2016, 62, 387-395.	2.1	97
5	Review: semen extenders used in the artificial insemination of swine. <i>Spanish Journal of Agricultural Research</i> , 2003, 1, 17.	0.6	93
6	Spermatozoa and seminal plasma fatty acids as predictors of cryopreservation success. <i>Andrology</i> , 2013, 1, 365-375.	3.5	86
7	The Predictive Value of Porcine Seminal Parameters on Fertility Outcome under Commercial Conditions. <i>Reproduction in Domestic Animals</i> , 2004, 39, 303-308.	1.4	85
8	Cooling and Freezing of Boar Spermatozoa: Supplementation of the Freezing Media With Reduced Glutathione Preserves Sperm Function. <i>Journal of Andrology</i> , 2005, 26, 396-404.	2.0	84
9	Importance of sperm morphology during sperm transport and fertilization in mammals. <i>Asian Journal of Andrology</i> , 2016, 18, 844.	1.6	65
10	Prediction of porcine semen fertility by homologous in vitro penetration (hIVP) assay. <i>Animal Reproduction Science</i> , 1998, 54, 95-108.	1.5	64
11	Determination of glycosidase activity in porcine oviductal fluid at the different phases of the estrous cycle. <i>Reproduction</i> , 2008, 136, 833-842.	2.6	64
12	Supplementation of the Thawing Media With Reduced Glutathione Improves Function and the In Vitro Fertilizing Ability of Boar Spermatozoa After Cryopreservation. <i>Journal of Andrology</i> , 2005, 26, 749-756.	2.0	61
13	Effect of genistein supplementation of thawing medium on characteristics of frozen human spermatozoa. <i>Asian Journal of Andrology</i> , 2010, 12, 431-441.	1.6	60
14	Effects of porcine pre-ovulatory oviductal fluid on boar sperm function. <i>Theriogenology</i> , 2010, 74, 632-642.	2.1	58
15	Sperm treatment affects capacitation parameters and penetration ability of ejaculated and epididymal boar spermatozoa. <i>Theriogenology</i> , 2010, 74, 1327-1340.	2.1	58
16	Effect of semen collection method on pre- and post-thaw Guirra ram spermatozoa. <i>Theriogenology</i> , 2005, 64, 1756-1765.	2.1	54
17	Effect of in vitro fertilization medium on the acrosome reaction, cortical reaction, zona pellucida hardening and in vitro development in pigs. <i>Reproduction</i> , 2002, 124, 279-288.	2.6	53
18	Analysis of In vitro Fertilizing Capacity to Evaluate the Freezing Procedures of Boar Semen and to Predict the Subsequent Fertility. <i>Reproduction in Domestic Animals</i> , 2003, 38, 66-72.	1.4	53

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19	Effects of cryopreservation and density-gradient washing on phospholipase C zeta concentrations in human spermatozoa. Reproductive BioMedicine Online, 2011, 23, 263-267.	2.4	52
20	Evaluation of boar spermatozoa penetrating capacity using pig oocytes at the germinal vesicle stage. Theriogenology, 1993, 40, 547-557.	2.1	50
21	Supplementation of the dilution medium after thawing with reduced glutathione improves function and the in vitro fertilizing ability of frozen-thawed bull spermatozoa. Journal of Developmental and Physical Disabilities, 2007, 31, 070508211138003-???	3.6	50
22	Effects of centrifugation through three different discontinuous Percoll gradients on boar sperm function. Animal Reproduction Science, 2011, 127, 62-72.	1.5	49
23	Effect of sperm preparation method on in vitro fertilization in pigs. Reproduction, 2003, 125, 133-141.	2.6	48
24	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic β^2 Cells. Journal of Biological Chemistry, 2015, 290, 21376-21392.	3.4	48
25	Birth of piglets after transferring of in vitro-produced embryos pre-matured with R-roscovitine. Reproduction, 2005, 129, 747-755.	2.6	46
26	Production of transgenic piglets using ICSI“sperm-mediated gene transfer in combination with recombinase RecA. Reproduction, 2010, 140, 259-272.	2.6	46
27	Pig in vitro fertilization: Where are we and where do we go?. Theriogenology, 2019, 137, 113-121.	2.1	46
28	Sperm factors related to in vitro penetration of porcine oocytes. Theriogenology, 2000, 54, 1343-1357.	2.1	45
29	Generation and characterization of a novel knockin minipig model of Hutchinson-Gilford progeria syndrome. Cell Discovery, 2019, 5, 16.	6.7	43
30	Evaluation of a cushioned method for centrifugation and processing for freezing boar semen. Theriogenology, 2007, 67, 1087-1091.	2.1	41
31	Effect of sperm treatment on efficiency of EGFP-expressing porcine embryos produced by ICSI-SMGT. Theriogenology, 2009, 72, 506-518.	2.1	40
32	Considerations of viscosity in the preliminaries to mammalian fertilisation. Journal of Assisted Reproduction and Genetics, 2011, 28, 191-197.	2.5	40
33	Glycosidase determination in bovine oviducal fluid at the follicular and luteal phases of the oestrous cycle. Reproduction, Fertility and Development, 2008, 20, 808.	0.4	37
34	Oviductal Transcriptome Is Modified after Insemination during Spontaneous Ovulation in the Sow. PLoS ONE, 2015, 10, e0130128.	2.5	37
35	Oocyte Penetration by Fresh or Stored Diluted Boar Spermatozoa before and after in Vitro Capacitation Treatments1. Biology of Reproduction, 1996, 55, 134-140.	2.7	35
36	In vitro penetration assay of boar sperm fertility: Effect of various factors on the penetrability of immature pig oocytes. Theriogenology, 1996, 46, 503-513.	2.1	30

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37	Factors affecting porcine sperm mediated gene transfer. Research in Veterinary Science, 2011, 91, 446-453.	1.9	29
38	Supplementation of the thawing medium with reduced glutathione improves function of frozen-thawed goat spermatozoa. Reproductive Biology, 2013, 13, 24-33.	1.9	29
39	Maturation, fertilization and complete development of porcine oocytes matured under different systems. Theriogenology, 1999, 51, 799-812.	2.1	28
40	Effect of exogenous DNA on bovine sperm functionality using the sperm mediated gene transfer (SMGT) technique. Molecular Reproduction and Development, 2010, 77, 687-698.	2.0	28
41	Equine spermatozoa stored in the epididymis for up to 96h at 4°C can be successfully cryopreserved and maintain their fertilization capacity. Animal Reproduction Science, 2013, 136, 280-288.	1.5	27
42	Sperm and testis mediated DNA transfer as a means of gene therapy. Systems Biology in Reproductive Medicine, 2011, 57, 35-42.	2.1	25
43	Effect of co-culture of porcine sperm and oocytes with porcine oviductal epithelial cells on in vitro fertilization. Animal Reproduction Science, 2001, 68, 85-98.	1.5	24
44	Effects of oviductal and cumulus cells on in vitro fertilization and embryo development of porcine oocytes fertilized with epididymal spermatozoa. Theriogenology, 2003, 59, 975-986.	2.1	24
45	Livestock Gene Editing by One-step Embryo Manipulation. Journal of Equine Veterinary Science, 2020, 89, 103025.	0.9	22
46	Influence of Sperm Pretreatment on the Efficiency of Intracytoplasmic Sperm Injection in Pigs. Journal of Andrology, 2006, 27, 268-275.	2.0	21
47	Environment and medium volume influence <i>in vitro</i> fertilisation of pig oocytes. Zygote, 1993, 1, 209-213.	1.1	19
48	Effects of men and recipients' age on the reproductive outcome of an oocyte donation program. Journal of Assisted Reproduction and Genetics, 2008, 25, 445-452.	2.5	18
49	Differing sperm ability to penetrate the oocyte in vivo and in vitro as revealed using colloidal preparations. Theriogenology, 2009, 72, 1171-1179.	2.1	18
50	How Is Plasminogen/Plasmin System Contributing to Regulate Sperm Entry Into the Oocyte?. Reproductive Sciences, 2013, 20, 1075-1082.	2.5	18
51	Oviductal epithelial cells selected boar sperm according to their functional characteristics. Asian Journal of Andrology, 2017, 19, 396.	1.6	18
52	Effect of oviductal and cumulus cells on zona pellucida and cortical granules of porcine oocytes fertilized in vitro with epididymal spermatozoa. Animal Reproduction Science, 2005, 85, 287-300.	1.5	14
53	Incubation of boar spermatozoa in viscous media by addition of methylcellulose improves sperm quality and penetration rates during <i>in vitro</i> fertilization. Theriogenology, 2017, 92, 14-23.	2.1	13
54	Assessment of two thawing processes of cryopreserved human sperm in pellets. Cryobiology, 2011, 63, 131-136.	0.7	12

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55	Generation of Nonmosaic, Two-Pore Channel 2 Biallelic Knockout Pigs in One Generation by CRISPR-Cas9 Microinjection Before Oocyte Insemination. <i>CRISPR Journal</i> , 2021, 4, 132-146.	2.9	12
56	Effects of maturational stage, cumulus cells and coincubation of mature and immature cumulus-oocyte complexes on in vitro penetrability of porcine oocytes. <i>Theriogenology</i> , 2001, 55, 1489-1500.	2.1	11
57	Cross-talk between free and bound spermatozoa to modulate initial sperm:egg ratios at the site of fertilization in the mammalian oviduct. <i>Theriogenology</i> , 2014, 82, 367-372.	2.1	11
58	Survival capacity of <i>Mycoplasma agalactiae</i> and <i>Mycoplasma mycoides</i> subsp <i>capri</i> in the diluted semen of goat bucks and their effects on sperm quality. <i>Theriogenology</i> , 2015, 83, 911-919.	2.1	8
59	The use of a virtual journal club to promote cross-cultural learning in the reproductive sciences. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 2141-2147.	2.5	7
60	Effect of oviductal fluid on bull sperm functionality and fertility under non-capacitating and capacitating incubation conditions. <i>Theriogenology</i> , 2020, 158, 406-415.	2.1	7
61	Effect of in vitro fertilization medium on the acrosome reaction, cortical reaction, zona pellucida hardening and in vitro development in pigs. <i>Reproduction</i> , 2002, 124, 279-88.	2.6	7
62	The Addition of <i>Lactobacillus</i> spp., Enrofloxacin or Doxycycline Negatively Affects the Viability of <i>Mycoplasma bovis</i> in Diluted Bovine Semen. <i>Animals</i> , 2020, 10, 837.	2.3	6
63	Reproductive fluids, added to the culture media, contribute to minimizing phenotypical differences between in vitro-derived and artificial insemination-derived piglets. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 593-605.	1.4	6
64	Effect of Aphidicolin, a Reversible Inhibitor of Eukaryotic Nuclear DNA Replication, on the Production of Genetically Modified Porcine Embryos by CRISPR/Cas9. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2135.	4.1	6
65	Total urokinase-type plasminogen activator (uPA) levels in seminal plasma are associated with positive assisted reproductive technology outcomes. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 1091-1101.	2.5	5
66	Assessment and preservation of liquid and frozen-thawed Black crested mangabey (<i>Lophocebus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 glands and electroejaculation. <i>Animal Reproduction Science</i> , 2019, 210, 106176.	1.5	5
67	Replacement of Albumin by Preovulatory Oviductal Fluid in Swim-Up Sperm Preparation Method Modifies Boar Sperm Parameters and Improves In Vitro Penetration of Oocytes. <i>Animals</i> , 2021, 11, 1202.	2.3	5
68	Physiology learning for veterinary students: impact of guided practices on students's opinion and physiological parameters. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2018, 42, 215-224.	1.6	4
69	Addition of exogenous proteins detected in oviductal secretions to in vitro culture medium does not improve the efficiency of in vitro fertilization in pigs. <i>Theriogenology</i> , 2020, 157, 490-497.	2.1	4
70	Growth analysis and blood profile in piglets born by embryo transfer. <i>Research in Veterinary Science</i> , 2022, 142, 43-53.	1.9	4
71	Concentrations of carnosine, anserine, L-histidine and 3-methyl histidine in boar spermatozoa and sheep milk by a modified HPLC method. <i>Polish Journal of Veterinary Sciences</i> , 2006, 9, 159-63.	0.2	4
72	Effect of washing and preincubation on in vitro capacitation of boar spermatozoa. <i>Theriogenology</i> , 1994, 41, 248.	2.1	3

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73	The male reproductive tract and spermatogenesis. , 2013, , 18-26.		3
74	Reproductive technologies in swine. , 2020, , 67-79.		3
75	Seminal plasma components from fertile stallions involved in the epididymal sperm freezability. Andrology, 2021, 9, 728-743.	3.5	3
76	Photo Stimulation of Seminal Doses with Red LED Light from Duroc Boars and Resultant Fertility in Iberian Sows. Animals, 2021, 11, 1656.	2.3	3
77	94 ADDITION OF REDUCED GLUTATHIONE TO THAWING MEDIUM IMPROVED THE SPERM MOTILITY AND REDUCED ROS GENERATION IN FROZEN OVINE AND CAPRINE SPERMATOZOA. Reproduction, Fertility and Development, 2006, 18, 155.	0.4	3
78	Generation of Calpain-3 knock-out porcine embryos by CRISPR-Cas9 electroporation and intracytoplasmic microinjection of oocytes before insemination. Theriogenology, 2022, 186, 175-184.	2.1	3
79	Two cases of Reciprocal Chromosomal Translocation (4; 7)(p+; qâ”) (2; 8)(qâ”; q+) in Piglets Produced by ICSI. Reproduction in Domestic Animals, 2011, 46, 728-730.	1.4	2
80	Outstanding questions concerning sperm-epithelial binding in the mammalian oviduct. Zygote, 2016, 24, 389-395.	1.1	2
81	Evaluaci3n de la uni3n espermatozoide-ADN ex3geno en espermatozoides porcinos eyaculados y epididimarios. Archivos De Medicina Veterinaria, 2009, 41, .	0.2	2
82	373 SPERM TREATMENT AFFECTS THE EFFICIENCY OF PORCINE TRANSGENIC EMBRYO PRODUCTION BY ICSI. Reproduction, Fertility and Development, 2006, 18, 294.	0.4	1
83	92 EVALUATION OF BOAR SPERM FUNCTIONALITY AFTER A CUSHIONED CENTRIFUGATION TECHNIQUE. Reproduction, Fertility and Development, 2006, 18, 154.	0.4	1
84	Broadening the educational pipeline: the global landscape of master of science programs in reproductive science and medicine. Biology of Reproduction, 0, , .	2.7	1
85	Factors affecting homologous in vitro fertilization assay of boar sperm fertility. Theriogenology, 1994, 41, 249.	2.1	0
86	292CHANGES IN MEMBRANE SULFHYDRYL STATUS OF BOAR SPERMATOZOA BY FREEZING. Reproduction, Fertility and Development, 2004, 16, 265.	0.4	0
87	Los alumnos del M3ster Oficial de Biolog3a y Tecnolog3a de la Reproducci3n en Mam3feros completan su formaci3n en Gran Bret3a, Francia, Alemania, China y Jap3n. Revista Internacional De Androlog3a, 2010, 8, 63.	0.3	0
88	135 THE EFFECT OF DIFFERENT TREATMENTS OF PORCINE EJACULATED AND EPIDIDYMAL SPERMATOZOA ON ROS GENERATION. Reproduction, Fertility and Development, 2006, 18, 176.	0.4	0
89	329 COMPARING CHANGES IN MOTION PARAMETERS IN EPIDIDYMAL AND EJACULATED BOAR SPERMATOZOA UNDER THREE DIFFERENT TREATMENTS. Reproduction, Fertility and Development, 2007, 19, 280.	0.4	0
90	297 ADDITION OF GLUTATHIONE TO THAWING MEDIUM FOR BULL SPERMATOZOA IMPROVES THE IN VITRO EMBRYO PRODUCTION. Reproduction, Fertility and Development, 2007, 19, 264.	0.4	0

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91	401 USE OF FLOW CYTOMETRY TO EVALUATE THE CAPACITY OF BOAR SPERM TO BIND TO EXOGENOUS DNA OF DIFFERENT SIZES. Reproduction, Fertility and Development, 2007, 19, 316.	0.4	0
92	301 EVALUATION OF THE SPERM-MEDIATED GENE TRANSFER (SMGT) TECHNIQUE BY IN VITRO FERTILIZATION IN PIGS USING RecA PROTEIN. Reproduction, Fertility and Development, 2008, 20, 230.	0.4	0
93	303 EFFECT OF THE PRESENCE OF EXOGENOUS DNA AND RECOMBINASE-A PROTEIN ON THE BOAR SPERM FUNCTIONALITY. Reproduction, Fertility and Development, 2009, 21, 248.	0.4	0
94	237 PROTEIN-TYROSINE PHOSPHORYLATION AND CALCIUM UPTAKE IN BOAR SPERM SUBPOPULATIONS AFTER DIFFERENT DISCONTINUOUS PERCOLL GRADIENT CENTRIFUGATIONS. Reproduction, Fertility and Development, 2011, 23, 217.	0.4	0
95	236 PROTEIN TYROSINE PHOSPHORYLATION IN BOAR SPERM DURING CO-CULTURE WITH OVIDUCTAL EPITHELIAL CELLS. Reproduction, Fertility and Development, 2011, 23, 216.	0.4	0
96	Sperm-Mediated Gene Transfer in Agricultural Species. , 2012, , 76-91.		0
97	227 CALRETICULIN, A 60-kDa PROTEIN, PREVENTS POLYSPERMY IN ZONA PELLUCIDA-FREE PIG OCYTES. Reproduction, Fertility and Development, 2013, 25, 261.	0.4	0