

Joaquã-n Gadea

List of Publications by Year in descending order

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97
papers

2,833
citations

109137

35
h-index

182168

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.	0.9	216
2	Sperm factors related to in vitro and in vivo porcine fertility. <i>Theriogenology</i> , 2005, 63, 431-444.	0.9	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.	0.3	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.	1.0	97
5	Review: semen extenders used in the artificial insemination of swine. <i>Spanish Journal of Agricultural Research</i> , 2003, 1, 17.	0.3	93
6	Spermatozoa and seminal plasma fatty acids as predictors of cryopreservation success. <i>Andrology</i> , 2013, 1, 365-375.	1.9	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.	0.6	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.	0.8	65
10	Prediction of porcine semen fertility by homologous in vitro penetration (hIVP) assay. <i>Animal Reproduction Science</i> , 1998, 54, 95-108.	0.5	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.	1.1	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.	0.8	60
14	Effects of porcine pre-ovulatory oviductal fluid on boar sperm function. <i>Theriogenology</i> , 2010, 74, 632-642.	0.9	58
15	Sperm treatment affects capacitation parameters and penetration ability of ejaculated and epididymal boar spermatozoa. <i>Theriogenology</i> , 2010, 74, 1327-1340.	0.9	58
16	Effect of semen collection method on pre- and post-thaw Guirra ram spermatozoa. <i>Theriogenology</i> , 2005, 64, 1756-1765.	0.9	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.	1.1	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.	0.6	53

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19	Effects of cryopreservation and density-gradient washing on phospholipase C zeta concentrations in human spermatozoa. <i>Reproductive BioMedicine Online</i> , 2011, 23, 263-267.	1.1	52
20	Evaluation of boar spermatozoa penetrating capacity using pig oocytes at the germinal vesicle stage. <i>Theriogenology</i> , 1993, 40, 547-557.	0.9	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. <i>Journal of Developmental and Physical Disabilities</i> , 2007, 31, 070508211138003-???	3.6	50
22	Effects of centrifugation through three different discontinuous Percoll gradients on boar sperm function. <i>Animal Reproduction Science</i> , 2011, 127, 62-72.	0.5	49
23	Effect of sperm preparation method on in vitro fertilization in pigs. <i>Reproduction</i> , 2003, 125, 133-141.	1.1	48
24	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic I^2 Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 21376-21392.	1.6	48
25	Birth of piglets after transferring of in vitro-produced embryos pre-matured with R-roscovitine. <i>Reproduction</i> , 2005, 129, 747-755.	1.1	46
26	Production of transgenic piglets using ICSI's sperm-mediated gene transfer in combination with recombinase RecA. <i>Reproduction</i> , 2010, 140, 259-272.	1.1	46
27	Pig in vitro fertilization: Where are we and where do we go?. <i>Theriogenology</i> , 2019, 137, 113-121.	0.9	46
28	Sperm factors related to in vitro penetration of porcine oocytes. <i>Theriogenology</i> , 2000, 54, 1343-1357.	0.9	45
29	Generation and characterization of a novel knockin minipig model of Hutchinson-Gilford progeria syndrome. <i>Cell Discovery</i> , 2019, 5, 16.	3.1	43
30	Evaluation of a cushioned method for centrifugation and processing for freezing boar semen. <i>Theriogenology</i> , 2007, 67, 1087-1091.	0.9	41
31	Effect of sperm treatment on efficiency of EGFP-expressing porcine embryos produced by ICSI-SMGT. <i>Theriogenology</i> , 2009, 72, 506-518.	0.9	40
32	Considerations of viscosity in the preliminaries to mammalian fertilisation. <i>Journal of Assisted Reproduction and Genetics</i> , 2011, 28, 191-197.	1.2	40
33	Glycosidase determination in bovine oviducal fluid at the follicular and luteal phases of the oestrous cycle. <i>Reproduction, Fertility and Development</i> , 2008, 20, 808.	0.1	37
34	Oviducal Transcriptome Is Modified after Insemination during Spontaneous Ovulation in the Sow. <i>PLoS ONE</i> , 2015, 10, e0130128.	1.1	37
35	Oocyte Penetration by Fresh or Stored Diluted Boar Spermatozoa before and after in Vitro Capacitation Treatments1. <i>Biology of Reproduction</i> , 1996, 55, 134-140.	1.2	35
36	In vitro penetration assay of boar sperm fertility: Effect of various factors on the penetrability of immature pig oocytes. <i>Theriogenology</i> , 1996, 46, 503-513.	0.9	30

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37	Factors affecting porcine sperm mediated gene transfer. <i>Research in Veterinary Science</i> , 2011, 91, 446-453.	0.9	29
38	Supplementation of the thawing medium with reduced glutathione improves function of frozen-thawed goat spermatozoa. <i>Reproductive Biology</i> , 2013, 13, 24-33.	0.9	29
39	Maturation, fertilization and complete development of porcine oocytes matured under different systems. <i>Theriogenology</i> , 1999, 51, 799-812.	0.9	28
40	Effect of exogenous DNA on bovine sperm functionality using the sperm mediated gene transfer (SMGT) technique. <i>Molecular Reproduction and Development</i> , 2010, 77, 687-698.	1.0	28
41	Equine spermatozoa stored in the epididymis for up to 96h at 4°C can be successfully cryopreserved and maintain their fertilization capacity. <i>Animal Reproduction Science</i> , 2013, 136, 280-288.	0.5	27
42	Sperm and testis mediated DNA transfer as a means of gene therapy. <i>Systems Biology in Reproductive Medicine</i> , 2011, 57, 35-42.	1.0	25
43	Effect of co-culture of porcine sperm and oocytes with porcine oviductal epithelial cells on in vitro fertilization. <i>Animal Reproduction Science</i> , 2001, 68, 85-98.	0.5	24
44	Effects of oviductal and cumulus cells on in vitro fertilization and embryo development of porcine oocytes fertilized with epididymal spermatozoa. <i>Theriogenology</i> , 2003, 59, 975-986.	0.9	24
45	Livestock Gene Editing by One-step Embryo Manipulation. <i>Journal of Equine Veterinary Science</i> , 2020, 89, 103025.	0.4	22
46	Influence of Sperm Pretreatment on the Efficiency of Intracytoplasmic Sperm Injection in Pigs. <i>Journal of Andrology</i> , 2006, 27, 268-275.	2.0	21
47	Environment and medium volume influence <i>in vitro</i> fertilisation of pig oocytes. <i>Zygote</i> , 1993, 1, 209-213.	0.5	19
48	Effects of men and recipients' age on the reproductive outcome of an oocyte donation program. <i>Journal of Assisted Reproduction and Genetics</i> , 2008, 25, 445-452.	1.2	18
49	Differing sperm ability to penetrate the oocyte in vivo and in vitro as revealed using colloidal preparations. <i>Theriogenology</i> , 2009, 72, 1171-1179.	0.9	18
50	How Is Plasminogen/Plasmin System Contributing to Regulate Sperm Entry Into the Oocyte?. <i>Reproductive Sciences</i> , 2013, 20, 1075-1082.	1.1	18
51	Oviductal epithelial cells selected boar sperm according to their functional characteristics. <i>Asian Journal of Andrology</i> , 2017, 19, 396.	0.8	18
52	Effect of oviductal and cumulus cells on zona pellucida and cortical granules of porcine oocytes fertilized in vitro with epididymal spermatozoa. <i>Animal Reproduction Science</i> , 2005, 85, 287-300.	0.5	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. <i>Theriogenology</i> , 2017, 92, 14-23.	0.9	13
54	Assessment of two thawing processes of cryopreserved human sperm in pellets. <i>Cryobiology</i> , 2011, 63, 131-136.	0.3	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.	1.4	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.	0.9	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.	0.9	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.	0.9	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.	1.2	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.	0.9	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.	1.1	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.	1.0	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.	0.7	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.	1.8	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.	1.2	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.	0.5	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.	1.0	5
68	Physiology learning for veterinary students: impact of guided practices on students' opinion and physiological parameters. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2018, 42, 215-224.	0.8	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.	0.9	4
70	Growth analysis and blood profile in piglets born by embryo transfer. <i>Research in Veterinary Science</i> , 2022, 142, 43-53.	0.9	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.	0.9	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. <i>Andrology</i> , 2021, 9, 728-743.	1.9	3
76	Photo Stimulation of Seminal Doses with Red LED Light from Duroc Boars and Resultant Fertility in Iberian Sows. <i>Animals</i> , 2021, 11, 1656.	1.0	3
77	94 ADDITION OF REDUCED GLUTATHIONE TO THAWING MEDIUM IMPROVED THE SPERM MOTILITY AND REDUCED ROS GENERATION IN FROZEN OVINE AND CAPRINE SPERMATOZOA. <i>Reproduction, Fertility and Development</i> , 2006, 18, 155.	0.1	3
78	Generation of Calpain-3 knock-out porcine embryos by CRISPR-Cas9 electroporation and intracytoplasmic microinjection of oocytes before insemination. <i>Theriogenology</i> , 2022, 186, 175-184.	0.9	3
79	Two cases of Reciprocal Chromosomal Translocation (4; 7)(p+; qâ~) (2; 8)(qâ~; q+) in Piglets Produced by ICSI. <i>Reproduction in Domestic Animals</i> , 2011, 46, 728-730.	0.6	2
80	Outstanding questions concerning sperm-epithelial binding in the mammalian oviduct. <i>Zygote</i> , 2016, 24, 389-395.	0.5	2
81	Evaluaci3n de la uni3n espermatozoide-ADN ex3geno en espermatozoides porcinos eyaculados y epididimarios. <i>Archivos De Medicina Veterinaria</i> , 2009, 41, .	0.2	2
82	373 SPERM TREATMENT AFFECTS THE EFFICIENCY OF PORCINE TRANSGENIC EMBRYO PRODUCTION BY ICSI. <i>Reproduction, Fertility and Development</i> , 2006, 18, 294.	0.1	1
83	92 EVALUATION OF BOAR SPERM FUNCTIONALITY AFTER A CUSHIONED CENTRIFUGATION TECHNIQUE. <i>Reproduction, Fertility and Development</i> , 2006, 18, 154.	0.1	1
84	Broadening the educational pipeline: the global landscape of master of science programs in reproductive science and medicine. <i>Biology of Reproduction</i> , 0, , .	1.2	1
85	Factors affecting homologous in vitro fertilization assay of boar sperm fertility. <i>Theriogenology</i> , 1994, 41, 249.	0.9	0
86	292CHANGES IN MEMBRANE SULFHYDRYL STATUS OF BOAR SPERMATOZOA BY FREEZING. <i>Reproduction, Fertility and Development</i> , 2004, 16, 265.	0.1	0
87	Los alumnos del M3ster Oficial de Biolog3a y Tecnolog3a de la Reproducici3n en Mam3feros completan su formaci3n en Gran Bret3a, Francia, Alemania, China y Jap3n. <i>Revista Internacional De Androlog3a</i> , 2010, 8, 63.	0.1	0
88	135 THE EFFECT OF DIFFERENT TREATMENTS OF PORCINE EJACULATED AND EPIDIDYMAL SPERMATOZOA ON ROS GENERATION. <i>Reproduction, Fertility and Development</i> , 2006, 18, 176.	0.1	0
89	329 COMPARING CHANGES IN MOTION PARAMETERS IN EPIDIDYMAL AND EJACULATED BOAR SPERMATOZOA UNDER THREE DIFFERENT TREATMENTS. <i>Reproduction, Fertility and Development</i> , 2007, 19, 280.	0.1	0
90	297 ADDITION OF GLUTATHIONE TO THAWING MEDIUM FOR BULL SPERMATOZOA IMPROVES THE IN VITRO EMBRYO PRODUCTION. <i>Reproduction, Fertility and Development</i> , 2007, 19, 264.	0.1	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. <i>Reproduction, Fertility and Development</i> , 2007, 19, 316.	0.1	0
92	301 EVALUATION OF THE SPERM-MEDIATED GENE TRANSFER (SMGT) TECHNIQUE BY IN VITRO FERTILIZATION IN PIGS USING RecA PROTEIN. <i>Reproduction, Fertility and Development</i> , 2008, 20, 230.	0.1	0
93	303 EFFECT OF THE PRESENCE OF EXOGENOUS DNA AND RECOMBINASE-A PROTEIN ON THE BOAR SPERM FUNCTIONALITY. <i>Reproduction, Fertility and Development</i> , 2009, 21, 248.	0.1	0
94	237 PROTEIN-TYROSINE PHOSPHORYLATION AND CALCIUM UPTAKE IN BOAR SPERM SUBPOPULATIONS AFTER DIFFERENT DISCONTINUOUS PERCOLL GRADIENT CENTRIFUGATIONS. <i>Reproduction, Fertility and Development</i> , 2011, 23, 217.	0.1	0
95	236 PROTEIN TYROSINE PHOSPHORYLATION IN BOAR SPERM DURING CO-CULTURE WITH OVIDUCTAL EPITHELIAL CELLS. <i>Reproduction, Fertility and Development</i> , 2011, 23, 216.	0.1	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. <i>Reproduction, Fertility and Development</i> , 2013, 25, 261.	0.1	0