Juan MarÃ-a VÃ¡zquez Rojas

List of Publications by Year
in descending order

96 papers	4,054 citations	81839 39 h-index	133188 59 g-index
98 all docs	98 docs citations	98 times ranked	1988 citing authors

#	Article	IF	Citations
1	Achievements and future perspectives of embryo transfer technology in pigs. Reproduction in Domestic Animals, 2019, 54, 4-13.	0.6	29
2	Influence of insemination time on the fertility of sex sorted frozen-thawed Y-sperm in red deer. Theriogenology, 2018, 113, 171-175.	0.9	2
3	Optimization of protocols for Iberian red deer (C ervus elaphus hispanicus) sperm handling before sex sorting by flow cytometry. Theriogenology, 2017, 92, 129-136.	0.9	3
4	Successful Non-Surgical Deep Uterine Transfer of Porcine Morulae after 24 Hour Culture in a Chemically Defined Medium. PLoS ONE, 2014, 9, e104696.	1.1	45
5	The battle of the sexes starts in the oviduct: modulation of oviductal transcriptome by X and Y-bearing spermatozoa. BMC Genomics, 2014, 15, 293.	1.2	101
6	The inÂvitro and inÂvivo developmental capacity of selected porcine monospermic zygotes. Theriogenology, 2013, 79, 392-398.	0.9	12
7	Forskolin improves the cryosurvival of in vivo-derived porcine embryos at very early stages using two vitrification methods. Cryobiology, 2013, 66, 144-150.	0.3	16
8	Handling of boar spermatozoa during and after flow cytometric sex-sorting process to improve their inÂvitro fertilizing ability. Theriogenology, 2013, 80, 350-356.	0.9	12
9	The nuclear DNA longevity in cryopreserved boar spermatozoa assessed using the Sperm-Sus-Halomax. Theriogenology, 2013, 79, 1294-1300.	0.9	29
10	Effect of MEM vitamins and forskolin on embryo development and vitrification tolerance of in vitro-produced pig embryos. Animal Reproduction Science, 2013, 136, 296-302.	0.5	15
11	Improvement of boar sperm cryosurvival by using single-layer colloid centrifugation prior freezing. Theriogenology, 2012, 78, 1117-1125.	0.9	46
12	Non-surgical deep intrauterine transfer of superfine open pulled straw (SOPS)-vitrified porcine embryos: Evaluation of critical steps of the procedure. Theriogenology, 2012, 78, 1339-1349.	0.9	21
13	Differences in the ability of spermatozoa from individual boar ejaculates to withstand different semen-processing techniques. Animal Reproduction Science, 2012, 132, 66-73.	0.5	34
14	Exposure of in vitro-matured porcine oocytes to SYBR-14 and fluorescence impairs their developmental capacity. Animal Reproduction Science, 2012, 133, 101-108.	0.5	2
15	Early Developing Pig Embryos Mediate Their Own Environment in the Maternal Tract. PLoS ONE, 2012, 7, e33625.	1.1	70
16	Effects of Hoechst 33342 staining and ultraviolet irradiation on mitochondrial distribution and DNA copy number in porcine oocytes and preimplantation embryos. Molecular Reproduction and Development, 2012, 79, 651-663.	1.0	20
17	The Effect of Glycerol Concentrations on the Postâ€thaw In Vitro Characteristics of Cryopreserved Sexâ€sorted Boar Spermatozoa. Reproduction in Domestic Animals, 2012, 47, 965-974.	0.6	7
18	Detrimental Effects of Non-Functional Spermatozoa on the Freezability of Functional Spermatozoa from Boar Ejaculate. PLoS ONE, 2012, 7, e36550.	1.1	42

#	Article	IF	Citations
19	Boar semen can tolerate rapid cooling rates prior to freezing. Reproduction, Fertility and Development, 2011, 23, 681.	0.1	30
20	Treating boar sperm with cholesterol-loaded cyclodextrins widens the sperm osmotic tolerance limits and enhances the in vitro sperm fertilising ability. Animal Reproduction Science, 2011, 129, 209-220.	0.5	41
21	Use of polarized light microscopy in porcine reproductive technologies. Theriogenology, 2011, 76, 669-677.	0.9	7
22	Effects of Hoechst 33342 staining and ultraviolet irradiation on the developmental competence of in vitro-matured porcine oocytes. Theriogenology, 2011, 76, 1667-1675.	0.9	12
23	Effects of Complement Component 3 Derivatives on Pig Oocyte Maturation, Fertilization and Early Embryo Development In Vitro. Reproduction in Domestic Animals, 2011, 46, 1017-1021.	0.6	17
24	Spermadhesin PSP-I/PSP-II heterodimer induces migration of polymorphonuclear neutrophils into the uterine cavity of the sow. Journal of Reproductive Immunology, 2010, 84, 57-65.	0.8	55
25	Black and bright-blood sequences magnetic resonance angiography and gross sections of the canine thorax: An anatomical study. Veterinary Journal, 2010, 185, 231-234.	0.6	4
26	Vitrification and warming of in vivoâ€“derived porcine embryos in a chemically defined medium. Theriogenology, 2010, 73, 300-308.	0.9	27
27	In vitro postwarming viability of vitrified porcine embryos: Effect of cryostorage length. Theriogenology, 2010, 74, 486-490.	0.9	23
28	Superfine open pulled straws vitrification of porcine blastocysts does not require pretreatment with cytochalasin B and/or centrifugation. Reproduction, Fertility and Development, 2010, 22, 808.	0.1	30
29	Use of frozen-thawed semen aggravates the summer-autumn infertility of artificially inseminated weaned sows in the Mediterranean region1. Journal of Animal Science, 2009, 87, 3967-3975.	0.2	11
30	PSPâ€Ÿ/PSPâ€Ÿ spermadhesin exert a decapacitation effect on highly extended boar spermatozoa. Journal of Developmental and Physical Disabilities, 2009, 32, 505-513.	3.6	54
31	Distinct Effects of Boar Seminal Plasma Fractions Exhibiting Different Protein Profiles on the Functionality of Highly Diluted Boar Spermatozoa. Reproduction in Domestic Animals, 2009, 44, 200-205.	0.6	30
32	Sex-sorting sperm by flow cytometry in pigs: Issues and perspectives. Theriogenology, 2009, 71, 80-88.	0.9	46
33	Validation of trans-rectal ultrasonography for counting preovulatory follicles in weaned sows. Animal Reproduction Science, 2009, 113, 137-142.	0.5	11
34	Evaluation of l-glutamine for cryopreservation of boar spermatozoa. Animal Reproduction Science, 2009, 115, 149-157.	0.5	36
35	Characterization of glycoside residues of porcine zona pellucida and ooplasm during follicular development and atresia. Molecular Reproduction and Development, 2008, 75, 1473-1483.	1.0	10
36	In Vitro Fertilization (IVF) in Straws and a Short Gamete Coincubation Time Improves the Efficiency of Porcine IVF. Reproduction in Domestic Animals, 2008, 43, 747-752.	0.6	9

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37	Localization and expression of spermadhesin PSPâ€¼/PSPâ€¼ subunits in the reproductive organs of the boar. Journal of Developmental and Physical Disabilities, 2008, 31, 408-417.	3.6	12
38	Magnetic resonance angiography of the normal canine heart and associated blood vessels. Veterinary Journal, 2008, 178, 130-132.	0.6	20
39	Effects of ultrashort gamete co-incubation time on porcine in vitro fertilization. Animal Reproduction Science, 2008, 106, 393-401.	0.5	14
40	Factors affecting the success rate of porcine embryo vitrification by the Open Pulled Straw method. Animal Reproduction Science, 2008, 108, 334-344.	0.5	43
41	Boar semen variability and its effects on IVF efficiency. Theriogenology, 2008, 70, 1260-1268.	0.9	40
42	New developments in low-dose insemination technology. Theriogenology, 2008, 70, 1216-1224.	0.9	37
43	Major proteins of boar seminal plasma as a tool for biotechnological preservation of spermatozoa. Theriogenology, 2008, 70, 1352-1355.	0.9	52
44	Effect of the cryoprotectant concentration on the in vitro embryo development and cell proliferation of OPS-vitrified porcine blastocysts. Cryobiology, 2008, 56, 189-194.	0.3	39
45	In vitro maturation of porcine oocytes with retinoids improves embryonic development. Reproduction, Fertility and Development, 2008, 20, 483.	0.1	31
46	Brief coincubation of gametes in porcine in vitro fertilization: Role of sperm:oocyte ratio and post-coincubation medium. Theriogenology, 2007, 67, 620-626.	0.9	29
47	The effectiveness of the stereomicroscopic evaluation of embryo quality in vitrifiedâ€“warmed porcine blastocysts: An ultrastructural and cell death study. Theriogenology, 2007, 67, 970-982.	0.9	31
48	Adjustments on the cryopreservation conditions reduce the incidence of boar ejaculates with poor sperm freezability. Theriogenology, 2007, 67, 1436-1445.	0.9	76
49	Vitrification of in vitro cultured porcine two-to-four cell embryos. Theriogenology, 2007, 68, 258-264.	0.9	19
50	Improving the fertilizing ability of sex sorted boar spermatozoa. Theriogenology, 2007, 68, 771-778.	0.9	37
51	Cryo-scanning electron microscopy (Cryo-SEM) of semen frozen in medium-straws from good and sub-standard freezer AI-boars. Cryobiology, 2007, 54, 63-70.	0.3	21
52	Cryosurvival and In Vitro Fertilizing Capacity Postthaw Is Improved When Boar Spermatozoa Are Frozen in the Presence of Seminal Plasma From Good Freezer Boars. Journal of Andrology, 2007, 28, 689-697.	2.0	94
53	Modulation of The Oviductal Environment by Gametes. Journal of Proteome Research, 2007, 6, 4656-4666.	1.8	132
54	Retained Functional Integrity of Bull Spermatozoa after Double Freezing and Thawing Using PureSpermÂ® Density Gradient Centrifugation. Reproduction in Domestic Animals, 2007, 42, 489-494.	0.6	45

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55	Immunolocalization and Possible Functional Role of PSP-I/PSP-II Heterodimer in Highly Extended Boar Spermatozoa. Journal of Andrology, 2006, 27, 766-773.	2.0	44
56	Dissecting the Protective Effect of the Seminal Plasma Spermadhesin PSP-I/PSP-II on Boar Sperm Functionality. Journal of Andrology, 2006, 27, 434-443.	2.0	43
57	Dissimilarities in sowsâ€™ ovarian status at the insemination time could explain differences in fertility between farms when frozen-thawed semen is used. Theriogenology, 2006, 65, 669-680.	0.9	43
58	Factors influencing boar sperm cryosurvival1. Journal of Animal Science, 2006, 84, 2692-2699.	0.2	120
59	Incidence of Unilateral Fertilizations after Low Dose Deep Intrauterine Insemination in Spontaneously Ovulating Sows under Field Conditions. Reproduction in Domestic Animals, 2006, 41, 41-47.	0.6	31
60	Differences in SCSA outcome among boars with different sperm freezability. Journal of Developmental and Physical Disabilities, 2006, 29, 583-591.	3.6	65
61	An update on Reproductive Technologies with Potential Short-Term Application in Pig Production. Reproduction in Domestic Animals, 2005, 40, 300-309.	0.6	38
62	Influence of constant long days on ejaculate parameters of rabbits reared under natural environment conditions of Mediterranean area. Livestock Science, 2005, 94, 169-177.	1.2	18
63	Influence of seminal plasma PSP-I/PSP-II spermadhesin on pig gamete interaction. Zygote, 2005, 13, 11-16.	0.5	29
64	Boar spermatozoa in the oviduct. Theriogenology, 2005, 63, 514-535.	0.9	184
65	Preselection of sex of offspring in swine for production: current status of the process and its application. Theriogenology, 2005, 63, 615-624.	0.9	54
66	Improving the efficiency of sperm technologies in pigs: the value of deep intrauterine insemination. Theriogenology, 2005, 63, 536-547.	0.9	56
67	Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa. Theriogenology, 2005, 64, 86-98.	0.9	28
68	Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?. Theriogenology, 2005, 64, 305-316.	0.9	45
69	Adjustments in IVF system for individual boars: Value of additives and time of spermâ€“oocyte co-incubation. Theriogenology, 2005, 64, 1783-1796.	0.9	32
70	Piglets born after non-surgical deep intrauterine transfer of vitrified blastocysts in gilts. Animal Reproduction Science, 2005, 85, 275-286.	0.5	56
71	Kinematic Changes During the Cryopreservation of Boar Spermatozoa. Journal of Andrology, 2005, 26, 610-618.	2.0	92
72	Comparative Effects of Autologous and Homologous Seminal Plasma on the Viability of Largely Extended Boar Spermatozoa. Reproduction in Domestic Animals, 2004, 39, 370-375.	0.6	59

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73	Flow Cytometry Identification of X- and Y-Chromosome-Bearing Goat Spermatozoa. Reproduction in Domestic Animals, 2004, 39, 58-60.	0.6	20
74	Vitrification of porcine embryos at various developmental stages using different ultra-rapid cooling procedures. Theriogenology, 2004, 62, 353-361.	0.9	65
75	Effect of short periods of spermâ€“oocyte coincubation during in vitro fertilization on embryo development in pigs. Theriogenology, 2004, 62, 544-552.	0.9	39
76	In vitro development following one-step dilution of OPS-vitrified porcine blastocysts. Theriogenology, 2004, 62, 1144-1152.	0.9	58
77	Successful nonsurgical deep uterine embryo transfer in pigs. Theriogenology, 2004, 61, 137-146.	0.9	65
78	Influence of sperm:oocyte ratio during in vitro fertilization of in vitro matured cumulus-intact pig oocytes on fertilization parameters and embryo development. Theriogenology, 2004, 61, 551-560.	0.9	26
79	Effects of Centrifugation Before Freezing on Boar Sperm Cryosurvival. Journal of Andrology, 2004, 25, 389-396.	2.0	116
80	Birth of piglets after deep intrauterine insemination with flow cytometrically sorted boar spermatozoa. Theriogenology, 2003, 59, 1605-1614.	0.9	71
81	Fertility of weaned sows after deep intrauterine insemination with a reduced number of frozen-thawed spermatozoa. Theriogenology, 2003, 60, 77-87.	0.9	103
82	Effect of the volume of medium and number of oocytes during in vitro fertilization on embryo development in pigs. Theriogenology, 2003, 60, 767-776.	0.9	46
83	Influence of follicle size on the penetrability of immature pig oocytes for homologous in vitro penetration assay. Theriogenology, 2003, 60, 659-667.	0.9	13
84	Influence of Porcine Spermadhesins on the Susceptibility of Boar Spermatozoa to High Dilution1. Biology of Reproduction, 2003, 69, 640-646.	1.2	106
85	Relationship between antral follicle size, oocyte diameters and nuclear maturation of immature oocytes in pigs. Theriogenology, 2002, 58, 871-885.	0.9	43
86	Motility Characteristics and Fertilizing Capacity of Boar Spermatozoa Stained with Hoechst 33342. Reproduction in Domestic Animals, 2002, 37, 369-374.	0.6	31
87	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. Theriogenology, 2001, 55, 1593-1605.	0.9	77
88	Viability and fertility of rabbit spermatozoa diluted in Tris-buffer extenders and stored at 15Â°C. Animal Reproduction Science, 2000, 64, 103-112.	0.5	82
89	Selection of immature pig oocytes for homologous in vitro penetration assays with the brilliant cresyl blue test. Reproduction, Fertility and Development, 1998, 10, 479.	0.1	86
90	Hypoosmotic swelling of boar spermatozoa compared to other methods for analysing the sperm membrane. Theriogenology, 1997, 47, 913-922.	0.9	86

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91	Diacylglycerol species as messengers and substrates for phosphatidylcholine re-synthesis during Ca2+-dependent exocytosis in boar spermatozoa. Molecular Reproduction and Development, 1997, 48, 95-105.	1.0	21
92	Bicarbonate/CO2induces rapid activation of phospholipase A2and renders boar spermatozoa capable of undergoing acrosomal exocytosis in response to progesterone. FEBS Letters, 1996, 396, 227-232.	1.3	25
93	Lectin histochemistry during in vitro capacitation and acrosome reaction in boar spermatozoa: new lectins for evaluating acrosomal status of boar spermatozoa. Acta Histochemica, 1996, 98, 93-100.	0.9	13
94	In vitro penetration assay of boar sperm fertility: Effect of various factors on the penetrability of immature pig oocytes. Theriogenology, 1996, 46, 503-513.	0.9	30
95	Characteristics and seasonal variations in the semen of Murciano-Granadina goats in the Mediterranean area. Animal Reproduction Science, 1992, 29, 255-262.	0.5	48
96	Use of real-time ultrasonic scanning for the detection of reproductive failure in pig herds. Animal Reproduction Science, 1992, 29, 53-59.	0.5	15