Inmaculada Parrilla

List of Publications by Year
in descending order

78 papers	2,381 citations	249298 26 h-index	252626 46 g-index
79 all docs	79 docs citations	79 times ranked	2288 citing authors

#	Article	IF	Citations
1	Neither frozenâ€“thawed seminal plasma nor commercial transforming growth factorâ€Î²1 infused intraâ€uterо before insemination improved fertility and prolificacy in sows. Reproduction in Domestic Animals, 2022, , .	0.6	2
2	Immunological uterine response to pig embryos before and during implantation. Reproduction in Domestic Animals, 2022, 57, 4-13.	0.6	5
3	Equilibration time with cryoprotectants, but not melatonin supplementation during in vitro maturation, affects viability and metaphase plate morphology of vitrified porcine mature oocytes. Reproduction in Domestic Animals, 2022, , .	0.6	1
4	Exogenous Melatonin in the Culture Medium Does Not Affect the Development of In Vivo-Derived Pig Embryos but Substantially Improves the Quality of In Vitro-Produced Embryos. Antioxidants, 2022, 11, 1177.	2.2	7
5	Effects of Vitrification on the Blastocyst Gene Expression Profile in a Porcine Model. International Journal of Molecular Sciences, 2021, 22, 1222.	1.8	18
6	Intrauterine Infusion of TGF-Î²1 Prior to Insemination, Alike Seminal Plasma, Influences Endometrial Cytokine Responses but Does Not Impact the Timing of the Progression of Pre-Implantation Pig Embryo Development. Biology, 2021, 10, 159.	1.3	3
7	Post-Thaw Sperm Quality and Functionality in the Autochthonous Pig Breed Gochu Asturcelta. Animals, 2021, 11, 1885.	1.0	8
8	Vitrification Effects on the Transcriptome of in vivo-Derived Porcine Morulae. Frontiers in Veterinary Science, 2021, 8, 771996.	0.9	3
9	A Short-Term Altrenogest Treatment Post-weaning Followed by Superovulation Reduces Pregnancy Rates and Embryo Production Efficiency in Multiparous Sows. Frontiers in Veterinary Science, 2021, 8, 771573.	0.9	5
10	Allogeneic Embryos Disregulate Leukemia Inhibitory Factor (LIF) and Its Receptor in the Porcine Endometrium During Implantation. Frontiers in Veterinary Science, 2020, 7, 611598.	0.9	6
11	Blastocyst-Bearing Sows Display a Dominant Anti-Inflammatory Cytokine Profile Compared to Cyclic Sows at Day 6 of the Cycle. Animals, 2020, 10, 2028.	1.0	4
12	Measurable Cytokine Concentrations in Pig Seminal Plasma Are Modified by Semen Handling and Storage. Biology, 2020, 9, 276.	1.3	3
13	Granulocyte-macrophage colony stimulating factor (GM-CSF) is fully expressed in the genital tract, seminal plasma and spermatozoa of male pigs. Scientific Reports, 2020, 10, 13360.	1.6	7
14	Seminal Plasma Induces Overexpression of Genes Associated with Embryo Development and Implantation in Day-6 Porcine Blastocysts. International Journal of Molecular Sciences, 2020, 21, 3662.	1.8	22
15	Seminal Plasma Modulates miRNA Expression by Sow Genital Tract Lining Explants. Biomolecules, 2020, 10, 933.	1.8	12
16	Proteomics in fresh and preserved pig semen: Recent achievements and future challenges. Theriogenology, 2020, 150, 41-47.	0.9	16
17	Boar seminal plasma: current insights on its potential role for assisted reproductive technologies in swine. Animal Reproduction, 2020, 17, e20200022.	0.4	9
18	Period of Boar Ejaculate Collection Contributes to the Yearly Intra-Male Variability of Seminal Plasma Cytokines. Biology, 2020, 9, 105.	1.3	3

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19	Extracellular vesicles isolated from porcine seminal plasma exhibit different tetraspanin expression profiles. Scientific Reports, 2019, 9, 11584.	1.6	59
20	Achievements and future perspectives of embryo transfer technology in pigs. Reproduction in Domestic Animals, 2019, 54, 4-13.	0.6	29
21	Supplementation with exogenous coenzyme Q10 to media for in vitro maturation and embryo culture fails to promote the developmental competence of porcine embryos. Reproduction in Domestic Animals, 2019, 54, 72-77.	0.6	21
22	Levels of activity of superoxide dismutase in seminal plasma do not predict fertility of pig AI-semen doses. Theriogenology, 2019, 140, 18-24.	0.9	17
23	Boar semen proteomics and sperm preservation. Theriogenology, 2019, 137, 23-29.	0.9	35
24	Prevention of hatching of porcine morulae and blastocysts by liquid storage at 20 Â°C. Scientific Reports, 2019, 9, 6219.	1.6	8
25	Cryopreservation Differentially Alters the Proteome of Epididymal and Ejaculated Pig Spermatozoa. International Journal of Molecular Sciences, 2019, 20, 1791.	1.8	29
26	High pre-freezing sperm dilution improves monospermy without affecting the penetration rate in porcine IVF. Theriogenology, 2019, 131, 162-168.	0.9	19
27	The proteome of frozen-thawed pig spermatozoa is dependent on the ejaculate fraction source. Scientific Reports, 2019, 9, 705.	1.6	15
28	Seminal Plasma Cytokines Are Predictive of the Outcome of Boar Sperm Preservation. Frontiers in Veterinary Science, 2019, 6, 436.	0.9	20
29	Seminal Plasma Modifies the Transcriptional Pattern of the Endometrium and Advances Embryo Development in Pigs. Frontiers in Veterinary Science, 2019, 6, 465.	0.9	24
30	The Proteome of Pig Spermatozoa Is Remodeled During Ejaculation. Molecular and Cellular Proteomics, 2019, 18, 41-50.	2.5	40
31	Eventual re-vitrification or storage in liquid nitrogen vapor does not jeopardize the practical handling and transport of vitrified pig embryos. Theriogenology, 2018, 113, 229-236.	0.9	4
32	New In-Depth Analytical Approach of the Porcine Seminal Plasma Proteome Reveals Potential Fertility Biomarkers. Journal of Proteome Research, 2018, 17, 1065-1076.	1.8	50
33	Post-thaw boar sperm motility is affected by prolonged storage of sperm in liquid nitrogen. A retrospective study. Cryobiology, 2018, 80, 119-125.	0.3	13
34	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
35	Seminal plasma antioxidants are directly involved in boar sperm cryotolerance. Theriogenology, 2018, 107, 27-35.	0.9	54
36	Is boar sperm freezability more intrinsically linked to spermatozoa than to the surrounding seminal plasma?. Animal Reproduction Science, 2018, 195, 30-37.	0.5	19

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37	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
38	Interspecies Chimerism with Mammalian Pluripotent Stem Cells. Cell, 2017, 168, 473-486.e15.	13.5	397
39	Developmental competence of porcine genomeâ€edited zygotes. Molecular Reproduction and Development, 2017, 84, 814-821.	1.0	11
40	Active paraoxonase 1 is synthesised throughout the internal boar genital organs. Reproduction, 2017, 154, 237-243.	1.1	9
41	The overlaying oil type influences in vitro embryo production: differences in composition and compound transfer into incubation medium between oils. Scientific Reports, 2017, 7, 10505.	1.6	23
42	Seminal plasma affects sperm sex sorting in boars. Reproduction, Fertility and Development, 2016, 28, 556.	0.1	7
43	Characterization of the porcine seminal plasma proteome comparing ejaculate portions. Journal of Proteomics, 2016, 142, 15-23.	1.2	74
44	Extensive dataset of boar seminal plasma proteome displaying putative reproductive functions of identified proteins. Data in Brief, 2016, 8, 1370-1373.	0.5	8
45	Effective vitrification and warming of porcine embryos using a pH-stable, chemically defined medium. Scientific Reports, 2016, 6, 33915.	1.6	27
46	Recent advances toward the practical application of embryo transfer in pigs. Theriogenology, 2016, 85, 152-161.	0.9	37
47	Glutathione Peroxidase 5 Is Expressed by the Entire Pig Male Genital Tract and Once in the Seminal Plasma Contributes to Sperm Survival and In Vivo Fertility. PLoS ONE, 2016, 11, e0162958.	1.1	35
48	High total antioxidant capacity of the porcine seminal plasma (SP-TAC) relates to sperm survival and fertility. Scientific Reports, 2015, 5, 18538.	1.6	56
49	Nonsurgical deep uterine transfer of vitrified, in vivo-derived, porcine embryos is as effective as the default surgical approach. Scientific Reports, 2015, 5, 10587.	1.6	46
50	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
51	An Earlier Uterine Environment Favors the <i>In Vivo</i> Development of Fresh Pig Morulae and Blastocysts Transferred by a Nonsurgical Deep-uterine Method. Journal of Reproduction and Development, 2014, 60, 371-376.	0.5	18
52	The Effects of Hoechst 33342 Staining and the Male Sample Donor on the Sorting Efficiency of Canine Spermatozoa. Reproduction in Domestic Animals, 2014, 49, 115-121.	0.6	10
53	Boar sperm cryosurvival is better after exposure to seminal plasma from selected fractions than to those from entire ejaculate. Cryobiology, 2014, 69, 203-210.	0.3	49
54	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

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55	Successful laparoscopic insemination with a very low number of flow cytometrically sorted boar sperm in field conditions. Theriogenology, 2014, 81, 315-320.	0.9	16
56	Intra- and interboar variability in flow cytometric sperm sex sorting. Theriogenology, 2014, 82, 501-508.	0.9	8
57	Effects of Rapid Cooling Prior to Freezing on the Quality of Canine Cryopreserved Spermatozoa. Journal of Reproduction and Development, 2014, 60, 355-361.	0.5	10
58	Suitability and effectiveness of single layer centrifugation using Androcoll-P in the cryopreservation protocol for boar spermatozoa. Animal Reproduction Science, 2013, 140, 173-179.	0.5	44
59	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
60	Dead spermatozoa in raw semenÂsamples impair inÂvitro fertilization outcomes of frozen-thawed spermatozoa. Fertility and Sterility, 2013, 100, 875-881.	0.5	38
61	The nuclear DNA longevity in cryopreserved boar spermatozoa assessed using the Sperm-Sus-Halomax. Theriogenology, 2013, 79, 1294-1300.	0.9	29
62	Design, development, and application of a non-surgical deep uterine embryo transfer technique in pigs. Animal Frontiers, 2013, 3, 40-47.	0.8	16
63	Early Developing Pig Embryos Mediate Their Own Environment in the Maternal Tract. PLoS ONE, 2012, 7, e33625.	1.1	70
64	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
65	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
66	Detrimental Effects of Non-Functional Spermatozoa on the Freezability of Functional Spermatozoa from Boar Ejaculate. PLoS ONE, 2012, 7, e36550.	1.1	42
67	Validation of trans-rectal ultrasonography for counting preovulatory follicles in weaned sows. Animal Reproduction Science, 2009, 113, 137-142.	0.5	11
68	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
69	Improving the efficiency of sperm technologies in pigs: the value of deep intrauterine insemination. Theriogenology, 2005, 63, 536-547.	0.9	56
70	Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa. Theriogenology, 2005, 64, 86-98.	0.9	28
71	Flow Cytometry Identification of X- and Y-Chromosome-Bearing Goat Spermatozoa. Reproduction in Domestic Animals, 2004, 39, 58-60.	0.6	20
72	Vitrification of porcine embryos at various developmental stages using different ultra-rapid cooling procedures. Theriogenology, 2004, 62, 353-361.	0.9	65

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73	In vitro development following one-step dilution of OPS-vitrified porcine blastocysts. Theriogenology, 2004, 62, 1144-1152.	0.9	58
74	Does Seminal Plasma PSPâ€‰/PSPâ€‰ Spermadhesin Modulate the Ability of Boar Spermatozoa to Penetrate Homologous Oocytes In Vitro?. Journal of Andrology, 2004, 25, 1004-1012.	2.0	33
75	Fluorescence in situ hybridization in diluted and flow cytometrically sorted boar spermatozoa using specific DNA direct probes labelled by nick translation. Reproduction, 2003, 126, 317-325.	1.1	26
76	Birth of piglets after deep intrauterine insemination with flow cytometrically sorted boar spermatozoa. Theriogenology, 2003, 59, 1605-1614.	0.9	71
77	Influence of Porcine Spermadhesins on the Susceptibility of Boar Spermatozoa to High Dilution1. Biology of Reproduction, 2003, 69, 640-646.	1.2	106
78	The Open Cryotop System Is Effective for the Simultaneous Vitrification of a Large Number of Porcine Embryos at Different Developmental Stages. Frontiers in Veterinary Science, 0, 9, .	0.9	4