Cristina Alicia MartÃ-nez

List of Publications by Year
in descending order

58	1,058	566801	454577
papers	citations	15 h-index	30 g-index

62	62	62	1224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interspecies Chimerism with Mammalian Pluripotent Stem Cells. Cell, 2017, 168, 473-486.e15.	13.5	397
2	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
3	Recent advances toward the practical application of embryo transfer in pigs. Theriogenology, 2016, 85, 152-161.	0.9	37
4	The Transcriptome of Pig Spermatozoa, and Its Role in Fertility. International Journal of Molecular Sciences, 2020, 21, 1572.	1.8	31
5	Achievements and future perspectives of embryo transfer technology in pigs. Reproduction in Domestic Animals, 2019, 54, 4-13.	0.6	29
6	Effects of two combinations of cryoprotectants on the inÂvitro developmental capacity of vitrified immature porcine oocytes. Theriogenology, 2015, 84, 545-552.	0.9	28
7	Effective vitrification and warming of porcine embryos using a pH-stable, chemically defined medium. Scientific Reports, 2016, 6, 33915.	1.6	27
8	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
9	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
10	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
11	Generation of human organs in pigs via interspecies blastocyst complementation. Reproduction in Domestic Animals, 2016, 51, 18-24.	0.6	21
12	Exogenous ascorbic acid enhances vitrification survival of porcine inÂvitro-developed blastocysts but fails to improve the inÂvitro embryo production outcomes. Theriogenology, 2018, 113, 113-119.	0.9	21
13	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
14	High pre-freezing sperm dilution improves monospermy without affecting the penetration rate in porcine IVF. Theriogenology, 2019, 131, 162-168.	0.9	19
15	Pig Pregnancies after Transfer of Allogeneic Embryos Show a Dysregulated Endometrial/Placental Cytokine Balance: A Novel Clue for Embryo Death?. Biomolecules, 2020, 10, 554.	1.8	19
16	Effects of Vitrification on the Blastocyst Gene Expression Profile in a Porcine Model. International Journal of Molecular Sciences, 2021, 22, 1222.	1.8	18
17	The use of mineral oil during inÂvitro maturation, fertilization, and embryo culture does not impair the developmental competence of pig oocytes. Theriogenology, 2015, 83, 693-702.	0.9	16
18	Peroxidized mineral oil increases the oxidant status of culture media and inhibits inÂvitro porcine embryo development. Theriogenology, 2017, 103, 17-23.	0.9	16

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19	Natural Mating Differentially Triggers Expression of Glucocorticoid Receptor (NR3C1)-Related Genes in the Preovulatory Porcine Female Reproductive Tract. International Journal of Molecular Sciences, 2020, 21, 4437.	1.8	16
20	Simple storage (CO2-free) of porcine morulae for up to three days maintains the inÂvitro viability and developmental competence. Theriogenology, 2018, 108, 229-238.	0.9	14
21	The Recipients' Parity Does Not Influence Their Reproductive Performance Following Nonâ€Surgical Deep Uterine Porcine Embryo Transfer. Reproduction in Domestic Animals, 2016, 51, 123-129.	0.6	13
22	Surgical embryo collection but not nonsurgical embryo transfer compromises postintervention prolificacy in sows. Theriogenology, 2017, 87, 316-320.	0.9	12
23	Seminal Plasma Modulates miRNA Expression by Sow Genital Tract Lining Explants. Biomolecules, 2020, 10, 933.	1.8	12
24	Developmental competence of porcine genomeâ€edited zygotes. Molecular Reproduction and Development, 2017, 84, 814-821.	1.0	11
25	Chicken seminal fluid lacks CD9â€and CD44â€bearing extracellular vesicles. Reproduction in Domestic Animals, 2020, 55, 293-300.	0.6	10
26	How does the boar epididymis regulate the emission of fertile spermatozoa?. Animal Reproduction Science, 2022, 246, 106829.	0.5	10
27	Boar seminal plasma: current insights on its potential role for assisted reproductive technologies in swine. Animal Reproduction, 2020, 17, e20200022.	0.4	9
28	Prenatal stress, anxiety and depression alter transcripts, proteins and pathways associated with immune responses at the maternal-fetal interface. Biology of Reproduction, 2022, 106, 449-462.	1.2	9
29	Prevention of hatching of porcine morulae and blastocysts by liquid storage at 20 Â°C. Scientific Reports, 2019, 9, 6219.	1.6	8
30	The Expression of Cold-Inducible RNA-Binding Protein mRNA in Sow Genital Tract Is Modulated by Natural Mating, But Not by Seminal Plasma. International Journal of Molecular Sciences, 2020, 21, 5333.	1.8	8
31	Does the Pre-Ovulatory Pig Oviduct Rule Sperm Capacitation In Vivo Mediating Transcriptomics of Catsper Channels?. International Journal of Molecular Sciences, 2020, 21, 1840.	1.8	8
32	Effects of meiotic inhibitors and gonadotrophins on porcine oocytes in vitro maturation, fertilization and development. Reproduction in Domestic Animals, 2017, 52, 873-880.	0.6	7
33	Semen Modulates the Expression of NGF, ABHD2, VCAN, and CTEN in the Reproductive Tract of Female Rabbits. Genes, 2020, 11, 758.	1.0	7
34	Expression of Stress-Mediating Genes is Increased in Term Placentas of Women with Chronic Self-Perceived Anxiety and Depression. Genes, 2020, 11, 869.	1.0	7
35	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
36	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

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37	mRNA expression of oxidative-reductive proteins in boars with documented different fertility can identify relevant prognostic biomarkers. Research in Veterinary Science, 2021, 141, 195-202.	0.9	6
38	Factors of importance when selecting sows as embryo donors. Animal, 2017, 11, 1330-1335.	1.3	5
39	Does the Act of Copulation per se, without Considering Seminal Deposition, Change the Expression of Genes in the Porcine Female Genital Tract?. International Journal of Molecular Sciences, 2020, 21, 5477.	1.8	5
40	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
41	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
42	miRNA-Profiling in Ejaculated and Epididymal Pig Spermatozoa and Their Relation to Fertility after Artificial Insemination. Biology, 2022, 11, 236.	1.3	4
43	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
44	Importance of oil overlay for production of porcine embryos in vitro. Reproduction in Domestic Animals, 2018, 53, 281-286.	0.6	3
45	Porcine blastocyst viability and developmental potential is maintained for 48â€‾h of liquid storage at 25â€‾Â°C without CO2 gassing. Theriogenology, 2019, 135, 46-55.	0.9	3
46	Three-to-5-day weaning-to-estrus intervals do not affect neither efficiency of collection nor inÂvitro developmental ability of inÂvivo-derived pig zygotes. Theriogenology, 2020, 141, 48-53.	0.9	3
47	Seminal Plasma Triggers the Differential Expression of the Glucocorticoid Receptor (NR3C1/GR) in the Rabbit Reproductive Tract. Animals, 2020, 10, 2158.	1.0	3
48	Semen Modulates Inflammation and Angiogenesis in the Reproductive Tract of Female Rabbits. Animals, 2020, 10, 2207.	1.0	3
49	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
50	In Vitro Maturation of Cumulusâ€“Oocyte Complexes and In Vitro Sperm Capacitation Significantly Increase the Expression and Enhance the Location of the CXCL12 and CXCR4 Anchoring Attractant Complex in Pigs. Animals, 2021, 11, 153.	1.0	3
51	Vitrification Effects on the Transcriptome of in vivo-Derived Porcine Morulae. Frontiers in Veterinary Science, 2021, 8, 771996.	0.9	3
52	Semen Modulates Cell Proliferation and Differentiation-Related Transcripts in the Pig Peri-Ovulatory Endometrium. Biology, 2022, 11, 616.	1.3	3
53	Bicarbonate-Triggered In Vitro Capacitation of Boar Spermatozoa Conveys an Increased Relative Abundance of the Canonical Transient Receptor Potential Cation (TRPC) Channels 3, 4, 6 and 7 and of CatSper-Î³ Subunit mRNA Transcripts. Animals, 2022, 12, 1012.	1.0	3
54	The cytokine platelet factor 4 successfully replaces bovine serum albumin for the inÂvitro culture of porcine embryos. Theriogenology, 2020, 148, 201-207.	0.9	2

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55	Changes in aquaporins mRNA expression and liquid storage at 17Â°C: A potential biomarker of boar sperm quality?. Reproduction in Domestic Animals, 2022, , .	0.6	1
56	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
57	Context is key: Maternal immune responses to pig allogeneic embryos. Molecular Reproduction and Development, 0, , .	1.0	1
58	Editorial: Molecular Biomarkers in Animal Reproduction. Frontiers in Veterinary Science, 2021, 8, 802187.	0.9	0