

Maria A Gil

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

2,154
citations

29
h-index

44
g-index

80
ext. papers

2,437
ext. citations

3.4
avg, IF

4.15
L-index

#	Paper	IF	Citations
73	Vitrification Effects on the Transcriptome of -Derived Porcine Morulae. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 771996	3.1	0
72	A Short-Term Altrenogest Treatment Post-weaning Followed by Superovulation Reduces Pregnancy Rates and Embryo Production Efficiency in Multiparous Sows. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 771573	3.1	0
71	Effects of Vitrification on the Blastocyst Gene Expression Profile in a Porcine Model. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
70	Intrauterine Infusion of TGF- β 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. <i>Biology</i> , 2021 , 10,	4.9	1
69	Seminal Plasma Induces Overexpression of Genes Associated with Embryo Development and Implantation in Day-6 Porcine Blastocysts. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
68	Boar seminal plasma: current insights on its potential role for assisted reproductive technologies in swine. <i>Animal Reproduction</i> , 2020 , 17, e20200022	1.7	4
67	The cytokine platelet factor 4 successfully replaces bovine serum albumin for the in vitro culture of porcine embryos. <i>Theriogenology</i> , 2020 , 148, 201-207	2.8	1
66	Allogeneic Embryos Disregulate Leukemia Inhibitory Factor (LIF) and Its Receptor in the Porcine Endometrium During Implantation. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 611598	3.1	1
65	Blastocyst-Bearing Sows Display a Dominant Anti-Inflammatory Cytokine Profile Compared to Cyclic Sows at Day 6 of the Cycle. <i>Animals</i> , 2020 , 10,	3.1	2
64	Prevention of hatching of porcine morulae and blastocysts by liquid storage at 20 °C. <i>Scientific Reports</i> , 2019 , 9, 6219	4.9	5
63	Achievements and future perspectives of embryo transfer technology in pigs. <i>Reproduction in Domestic Animals</i> , 2019 , 54 Suppl 4, 4-13	1.6	15
62	Supplementation with exogenous coenzyme Q10 to media for in vitro maturation and embryo culture fails to promote the developmental competence of porcine embryos. <i>Reproduction in Domestic Animals</i> , 2019 , 54 Suppl 4, 72-77	1.6	11
61	Seminal Plasma Modifies the Transcriptional Pattern of the Endometrium and Advances Embryo Development in Pigs. <i>Frontiers in Veterinary Science</i> , 2019 , 6, 465	3.1	13
60	Eventual re-vitrification or storage in liquid nitrogen vapor does not jeopardize the practical handling and transport of vitrified pig embryos. <i>Theriogenology</i> , 2018 , 113, 229-236	2.8	3
59	Importance of oil overlay for production of porcine embryos in vitro. <i>Reproduction in Domestic Animals</i> , 2018 , 53, 281-286	1.6	2
58	Interspecies Chimerism with Mammalian Pluripotent Stem Cells. <i>Cell</i> , 2017 , 168, 473-486.e15	56.2	289
57	Developmental competence of porcine genome-edited zygotes. <i>Molecular Reproduction and Development</i> , 2017 , 84, 814-821	2.6	8

56	Effects of meiotic inhibitors and gonadotrophins on porcine oocytes in vitro maturation, fertilization and development. <i>Reproduction in Domestic Animals</i> , 2017 , 52, 873-880	1.6	5
55	The overlaying oil type influences in vitro embryo production: differences in composition and compound transfer into incubation medium between oils. <i>Scientific Reports</i> , 2017 , 7, 10505	4.9	15
54	Recent advances toward the practical application of embryo transfer in pigs. <i>Theriogenology</i> , 2016 , 85, 152-61	2.8	30
53	Effective vitrification and warming of porcine embryos using a pH-stable, chemically defined medium. <i>Scientific Reports</i> , 2016 , 6, 33915	4.9	20
52	Nonsurgical deep uterine transfer of vitrified, in vivo-derived, porcine embryos is as effective as the default surgical approach. <i>Scientific Reports</i> , 2015 , 5, 10587	4.9	34
51	The use of mineral oil during in vitro maturation, fertilization, and embryo culture does not impair the developmental competence of pig oocytes. <i>Theriogenology</i> , 2015 , 83, 693-702	2.8	13
50	The battle of the sexes starts in the oviduct: modulation of oviductal transcriptome by X and Y-bearing spermatozoa. <i>BMC Genomics</i> , 2014 , 15, 293	4.5	88
49	Successful laparoscopic insemination with a very low number of flow cytometrically sorted boar sperm in field conditions. <i>Theriogenology</i> , 2014 , 81, 315-20	2.8	13
48	Successful non-surgical deep uterine transfer of porcine morulae after 24 hour culture in a chemically defined medium. <i>PLoS ONE</i> , 2014 , 9, e104696	3.7	31
47	An earlier uterine environment favors the in vivo development of fresh pig morulae and blastocysts transferred by a nonsurgical deep-uterine method. <i>Journal of Reproduction and Development</i> , 2014 , 60, 371-6	2.1	15
46	Heat-shock protein A8 restores sperm membrane integrity by increasing plasma membrane fluidity. <i>Reproduction</i> , 2014 , 147, 719-32	3.8	34
45	The in vitro and in vivo developmental capacity of selected porcine monospermic zygotes. <i>Theriogenology</i> , 2013 , 79, 392-8	2.8	11
44	Suitability and effectiveness of single layer centrifugation using Androcoll-P in the cryopreservation protocol for boar spermatozoa. <i>Animal Reproduction Science</i> , 2013 , 140, 173-9	2.1	38
43	Dead spermatozoa in raw semen samples impair in vitro fertilization outcomes of frozen-thawed spermatozoa. <i>Fertility and Sterility</i> , 2013 , 100, 875-81	4.8	29
42	Effect of MEM vitamins and forskolin on embryo development and vitrification tolerance of in vitro-produced pig embryos. <i>Animal Reproduction Science</i> , 2013 , 136, 296-302	2.1	11
41	Design, development, and application of a non-surgical deep uterine embryo transfer technique in pigs. <i>Animal Frontiers</i> , 2013 , 3, 40-47	5.5	13
40	The effect of glycerol concentrations on the post-thaw in vitro characteristics of cryopreserved sex-sorted boar spermatozoa. <i>Reproduction in Domestic Animals</i> , 2012 , 47, 965-74	1.6	7
39	Exposure of in vitro-matured porcine oocytes to SYBR-14 and fluorescence impairs their developmental capacity. <i>Animal Reproduction Science</i> , 2012 , 133, 101-8	2.1	2

38	Early developing pig embryos mediate their own environment in the maternal tract. <i>PLoS ONE</i> , 2012 , 7, e33625	3.7	62
37	Effects of Hoechst 33342 staining and ultraviolet irradiation on mitochondrial distribution and DNA copy number in porcine oocytes and preimplantation embryos. <i>Molecular Reproduction and Development</i> , 2012 , 79, 651-63	2.6	16
36	Treating boar sperm with cholesterol-loaded cyclodextrins widens the sperm osmotic tolerance limits and enhances the in vitro sperm fertilising ability. <i>Animal Reproduction Science</i> , 2011 , 129, 209-20	2.1	32
35	Approaches towards efficient use of boar semen in the pig industry. <i>Reproduction in Domestic Animals</i> , 2011 , 46 Suppl 2, 79-83	1.6	40
34	Capability of frozen-thawed boar spermatozoa to sustain pre-implantational embryo development. <i>Animal Reproduction Science</i> , 2010 , 121, 145-51	2.1	16
33	Pentoxifylline added to freezing or post-thaw extenders does not improve the survival or in vitro fertilising capacity of boar spermatozoa. <i>Reproduction</i> , 2010 , 139, 557-64	3.8	15
32	In vitro postwarming viability of vitrified porcine embryos: effect of cryostorage length. <i>Theriogenology</i> , 2010 , 74, 486-90	2.8	20
31	Advances in swine in vitro embryo production technologies. <i>Reproduction in Domestic Animals</i> , 2010 , 45 Suppl 2, 40-8	1.6	88
30	Sex-sorting sperm by flow cytometry in pigs: issues and perspectives. <i>Theriogenology</i> , 2009 , 71, 80-8	2.8	41
29	In vitro fertilization (IVF) in straws and a short gamete co-incubation time improves the efficiency of porcine IVF. <i>Reproduction in Domestic Animals</i> , 2008 , 43, 747-52	1.6	8
28	Low-dose insemination in pigs: problems and possibilities. <i>Reproduction in Domestic Animals</i> , 2008 , 43 Suppl 2, 347-54	1.6	18
27	Improving the efficiency of insemination with sex-sorted spermatozoa. <i>Reproduction in Domestic Animals</i> , 2008 , 43 Suppl 4, 1-8	1.6	35
26	Effects of ultrashort gamete co-incubation time on porcine in vitro fertilization. <i>Animal Reproduction Science</i> , 2008 , 106, 393-401	2.1	12
25	Factors affecting the success rate of porcine embryo vitrification by the Open Pulled Straw method. <i>Animal Reproduction Science</i> , 2008 , 108, 334-44	2.1	36
24	Boar semen variability and its effects on IVF efficiency. <i>Theriogenology</i> , 2008 , 70, 1260-8	2.8	32
23	New developments in low-dose insemination technology. <i>Theriogenology</i> , 2008 , 70, 1216-24	2.8	30
22	Pre-pubertal di(2-ethylhexyl) phthalate (DEHP) exposure of young boars did not affect sperm in vitro penetration capacity of homologous oocytes post-puberty. <i>Archives of Andrology</i> , 2007 , 53, 141-7		5
21	Brief co-incubation of gametes in porcine in vitro fertilization: role of sperm:oocyte ratio and post-coincubation medium. <i>Theriogenology</i> , 2007 , 67, 620-6	2.8	25

20	Adjustments on the cryopreservation conditions reduce the incidence of boar ejaculates with poor sperm freezability. <i>Theriogenology</i> , 2007 , 67, 1436-45	2.8	65
19	Vitrification of in vitro cultured porcine two-to-four cell embryos. <i>Theriogenology</i> , 2007 , 68, 258-64	2.8	17
18	Challenges in pig artificial insemination. <i>Reproduction in Domestic Animals</i> , 2006 , 41 Suppl 2, 43-53	1.6	54
17	Dissecting the protective effect of the seminal plasma spermadhesin PSP-I/PSP-II on boar sperm functionality. <i>Journal of Andrology</i> , 2006 , 27, 434-43		37
16	Incidence of unilateral fertilizations after low dose deep intrauterine insemination in spontaneously ovulating sows under field conditions. <i>Reproduction in Domestic Animals</i> , 2006 , 41, 41-7	1.6	28
15	Improving the efficiency of sperm technologies in pigs: the value of deep intrauterine insemination. <i>Theriogenology</i> , 2005 , 63, 536-47	2.8	48
14	Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa. <i>Theriogenology</i> , 2005 , 64, 86-98	2.8	25
13	Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?. <i>Theriogenology</i> , 2005 , 64, 305-16	2.8	38
12	Adjustments in IVF system for individual boars: value of additives and time of sperm-oocyte co-incubation. <i>Theriogenology</i> , 2005 , 64, 1783-96	2.8	27
11	An update on reproductive technologies with potential short-term application in pig production. <i>Reproduction in Domestic Animals</i> , 2005 , 40, 300-9	1.6	31
10	Influence of seminal plasma PSP-I/PSP-II spermadhesin on pig gamete interaction. <i>Zygote</i> , 2005 , 13, 11-6	1.6	23
9	Survival and in vitro fertility of boar spermatozoa frozen in the presence of superoxide dismutase and/or catalase. <i>Journal of Andrology</i> , 2005 , 26, 15-24		71
8	Effect of short periods of sperm-oocyte co-incubation during in vitro fertilization on embryo development in pigs. <i>Theriogenology</i> , 2004 , 62, 544-52	2.8	37
7	Successful nonsurgical deep uterine embryo transfer in pigs. <i>Theriogenology</i> , 2004 , 61, 137-46	2.8	56
6	Influence of sperm:oocyte ratio during in vitro fertilization of in vitro matured cumulus-intact pig oocytes on fertilization parameters and embryo development. <i>Theriogenology</i> , 2004 , 61, 551-60	2.8	25
5	Survival and fertility of boar spermatozoa after freeze-thawing in extender supplemented with butylated hydroxytoluene. <i>Journal of Andrology</i> , 2004 , 25, 397-405		101
4	Does seminal plasma PSP-I/PSP-II spermadhesin modulate the ability of boar spermatozoa to penetrate homologous oocytes in vitro?. <i>Journal of Andrology</i> , 2004 , 25, 1004-12		27
3	Birth of piglets after deep intrauterine insemination with flow cytometrically sorted boar spermatozoa. <i>Theriogenology</i> , 2003 , 59, 1605-14	2.8	64

2	Effect of the volume of medium and number of oocytes during in vitro fertilization on embryo development in pigs. <i>Theriogenology</i> , 2003 , 60, 767-76	2.8	40
1	Motility characteristics and fertilizing capacity of boar spermatozoa stained with Hoechst 33342. <i>Reproduction in Domestic Animals</i> , 2002 , 37, 369-74	1.6	29