Pilar Coy

List of Publications by Citations

Source: https://exaly.com/author-pdf/4283658/pilar-coy-publications-by-citations.pdf
Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89 papers	2,684 citations	32 h-index	48 g-index
108 ext. papers	3,073 ext. citations	3.1 avg, IF	5.01 L-index

#	Paper	IF	Citations
89	Oviductal secretions: will they be key factors for the future ARTs?. *Molecular Human Reproduction*, **2010**, 16, 896-906	4.4	170
88	Decrease in glutathione content in boar sperm after cryopreservation. Effect of the addition of reduced glutathione to the freezing and thawing extenders. *Theriogenology*, **2004**, 62, 690-701	2.8	168
87	Roles of the oviduct in mammalian fertilization. *Reproduction*, **2012**, 144, 649-60	3.8	160
86	Oviduct-specific glycoprotein and heparin modulate sperm-zona pellucida interaction during fertilization and contribute to the control of polyspermy. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15809-14	11.5	158
85	Susceptibility of bovine germinal vesicle-stage oocytes from antral follicles to direct effects of heat stress in vitro. *Biology of Reproduction*, **2004**, 71, 1303-8	3.9	97
84	DNA methylation and gene expression changes derived from assisted reproductive technologies can be decreased by reproductive fluids. *ELife*, **2017**, 6,	8.9	80
83	Hardening of the zona pellucida of unfertilized eggs can reduce polyspermic fertilization in the pig and cow. *Reproduction*, **2008**, 135, 19-27	3.8	59
82	Determination of glycosidase activity in porcine oviductal fluid at the different phases of the estrous cycle. *Reproduction*, **2008**, 136, 833-42	3.8	58
81	Effects of oviductal fluid on the development, quality, and gene expression of porcine blastocysts produced in vitro. *Reproduction*, **2009**, 137, 679-87	3.8	55
80	DNA Methylation in Embryo Development: Epigenetic Impact of ART (Assisted Reproductive Technologies). *BioEssays*, **2017**, 39, 1700106	4.1	53
79	Role of sialic acid in bovine sperm-zona pellucida binding. *Molecular Reproduction and Development*, **2007**, 74, 617-28	2.6	52
78	The oviduct: A key organ for the success of early reproductive events. *Animal Frontiers*, **2015**, 5, 25-31	5.5	51
77	In vitro production of pig embryos: a point of view. *Reproduction, Fertility and Development*, **2002**, 14, 275-86	1.8	51
76	Sperm treatment affects capacitation parameters and penetration ability of ejaculated and epididymal boar spermatozoa. *Theriogenology*, **2010**, 74, 1327-40	2.8	50
75	What controls polyspermy in mammals, the oviduct or the oocyte?. *Biological Reviews*, **2010**, 85, 593-605	13.5	49
74	Intracytoplasmic sperm injection in livestock species: an update. *Reproduction in Domestic Animals*, **2009**, 44, 143-51	1.6	48
73	Evaluation of boar spermatozoa penetrating capacity using pig oocytes at the germinal vesicle stage. *Theriogenology*, **1993**, 40, 547-57	2.8	47

72	Effect of in vitrofertilization medium on the acrosome reaction, cortical reaction, zona pellucida hardening and in vitro development in pigs. *Reproduction*, **2002**, 124, 279-288	3.8	45
71	Effects of porcine pre-ovulatory oviductal fluid on boar sperm function. *Theriogenology*, **2010**, 74, 632-42	2.8	43
70	Birth of piglets after transferring of in vitro-produced embryos pre-matured with R-roscovitine. *Reproduction*, **2005**, 129, 747-55	3.8	42
69	Effect of bovine oviductal fluid on development and quality of bovine embryos produced in vitro. *Reproduction, Fertility and Development*, **2017**, 29, 621-629	1.8	41
68	In vitro fertilization in pigs: New molecules and protocols to consider in the forthcoming years. *Theriogenology*, **2016**, 85, 125-34	2.8	40
67	Characteristics and seasonal variations in the semen of Murciano-Granadina goats in the Mediterranean area. *Animal Reproduction Science*, **1992**, 29, 255-262	2.1	40
66	Effect of sperm preparation method on in vitro fertilization in pigs. *Reproduction*, **2003**, 125, 133-41	3.8	39
65	Identification of potential oviductal factors responsible for zona pellucida hardening and monospermy during fertilization in mammals. *Biology of Reproduction*, **2013**, 89, 67	3.9	37
64	Effect of the bovine oviductal fluid on in vitro fertilization, development and gene expression of in vitro-produced bovine blastocysts. *Reproduction in Domestic Animals*, **2013**, 48, 331-8	1.6	36
63	The oviduct: functional genomic and proteomic approach. *Reproduction in Domestic Animals*, **2012**, 47 Suppl 3, 22-9	1.6	35
62	The oviduct: from sperm selection to the epigenetic landscape of the embryo. *Biology of Reproduction*, **2018**, 98, 262-276	3.9	34
61	Sperm interactions from insemination to fertilization. *Reproduction in Domestic Animals*, **2008**, 43 Suppl 5, 2-11	1.6	34
60	Glycosidase determination in bovine oviducal fluid at the follicular and luteal phases of the oestrous cycle. *Reproduction, Fertility and Development*, **2008**, 20, 808-17	1.8	34
59	Oviductal Transcriptome Is Modified after Insemination during Spontaneous Ovulation in the Sow. *PLoS ONE*, **2015**, 10, e0130128	3.7	33
58	Maintenance of meiotic arrest in bovine oocytes using the S-enantiomer of roscovitine: effects on maturation, fertilization and subsequent embryo development in vitro. *Reproduction*, **2005**, 129, 19-26	3.8	33
57	Oocytes use the plasminogen-plasmin system to remove supernumerary spermatozoa. *Human Reproduction*, **2012**, 27, 1985-93	5.7	31
56	In vitro fertilization of pig oocytes after different coincubation intervals. *Theriogenology*, **1993**, 39, 1201-8	2.8	30
55	Sperm concentration influences fertilization and male pronuclear formation in vitro in pigs. *Theriogenology*, **1993**, 40, 539-46	2.8	30

54	The Common and Species-Specific Roles of Oviductal Proteins in Mammalian Fertilization and Embryo Development. *BioScience*, **2015**, 65, 973-984	5.7	28
53	Fertilization outcome could be regulated by binding of oviductal plasminogen to oocytes and by releasing of plasminogen activators during interplay between gametes. *Fertility and Sterility*, **2012**, 97, 453-61	4.8	28
52	Considerations of viscosity in the preliminaries to mammalian fertilisation. *Journal of Assisted Reproduction and Genetics*, **2011**, 28, 191-7	3.4	28
51	Oviduct fluid extracellular vesicles regulate polyspermy during porcine in vitro fertilisation. *Reproduction, Fertility and Development*, **2020**, 32, 409-418	1.8	27
50	Timing of oviductal fluid collection, steroid concentrations, and sperm preservation method affect porcine in vitro fertilization efficiency. *Fertility and Sterility*, **2014**, 102, 1762-8.e1	4.8	26
49	Acrosome reaction of boar spermatozoa in homologous in vitro fertilization. *Molecular Reproduction and Development*, **1993**, 36, 84-8	2.6	24
48	Pig in vitro fertilization: Where are we and where do we go?. *Theriogenology*, **2019**, 137, 113-121	2.8	23
47	Mimicking physiological O2 tension in the female reproductive tract improves assisted reproduction outcomes in pig. *Molecular Human Reproduction*, **2018**, 24, 260-270	4.4	23
46	Maturation, fertilization and complete development of porcine oocytes matured under different systems. *Theriogenology*, **1999**, 51, 799-812	2.8	23
45	Effects of oviductal and cumulus cells on in vitro fertilization and embryo development of porcine oocytes fertilized with epididymal spermatozoa. *Theriogenology*, **2003**, 59, 975-86	2.8	22
44	Effect of co-culture of porcine sperm and oocytes with porcine oviductal epithelial cells on in vitro fertilization. *Animal Reproduction Science*, **2001**, 68, 85-98	2.1	22
43	Influence of sperm pretreatment on the efficiency of intracytoplasmic sperm injection in pigs. *Journal of Andrology*, **2006**, 27, 268-75		21
42	The C-terminal region of OVGP1 remodels the zona pellucida and modifies fertility parameters. *Scientific Reports*, **2016**, 6, 32556	4.9	21
41	DNA methylation changes during preimplantation development reveal inter-species differences and reprogramming events at imprinted genes. *Clinical Epigenetics*, **2020**, 12, 64	7.7	19
40	The human is an exception to the evolutionarily-conserved phenomenon of pre-fertilization zona pellucida resistance to proteolysis induced by oviductal fluid. *Human Reproduction*, **2013**, 28, 718-28	5.7	17
39	Environment and medium volume influence in vitro fertilisation of pig oocytes. *Zygote*, **1993**, 1, 209-13	1.6	17
38	Supplementation of bovine follicular fluid during in vitro maturation increases oocyte cumulus expansion, blastocyst developmental kinetics, and blastocyst cell number. *Theriogenology*, **2019**, 126, 222-229	2.8	17
37	Differing sperm ability to penetrate the oocyte in vivo and in vitro as revealed using colloidal preparations. *Theriogenology*, **2009**, 72, 1171-9	2.8	16

36	Effects of men and recipients' age on the reproductive outcome of an oocyte donation program. *Journal of Assisted Reproduction and Genetics*, **2008**, 25, 445-52	3.4	16
35	Maturation conditions and boar affect timing of cortical reaction in porcine oocytes. *Theriogenology*, **2012**, 78, 1126-39.e1	2.8	15
34	Differential gene expression in porcine oviduct during the oestrous cycle. *Reproduction, Fertility and Development*, **2017**, 29, 2387-2399	1.8	14
33	How is plasminogen/plasmin system contributing to regulate sperm entry into the oocyte?. *Reproductive Sciences*, **2013**, 20, 1075-82	3	14
32	Nitric oxide synthase (NOS) inhibition during porcine in vitro maturation modifies oocyte protein S-nitrosylation and in vitro fertilization. *PLoS ONE*, **2014**, 9, e115044	3.7	13
31	Effect of oviductal and cumulus cells on zona pellucida and cortical granules of porcine oocytes fertilized in vitro with epididymal spermatozoa. *Animal Reproduction Science*, **2005**, 85, 287-300	2.1	13
30	Analysis of different factors influencing the intracytoplasmic sperm injection (ICSI) yield in pigs. *Theriogenology*, **2006**, 66, 1857-65	2.8	13
29	Pre-fertilization zona pellucida hardening by different cross-linkers affects IVF in pigs and cattle and improves embryo production in pigs. *Reproduction*, **2009**, 137, 803-12	3.8	12
28	Use of triple stain technique for simultaneous assessment of vitality and acrosomal status in boar spermatozoa. *Theriogenology*, **1992**, 38, 843-52	2.8	12
27	Effects of maturational stage, cumulus cells and coincubation of mature and immature cumulus-oocyte complexes on in vitro penetrability of porcine oocytes. *Theriogenology*, **2001**, 55, 1489-500	2.8	10
26	First steps in the development of a functional assay for human sperm using pig oocytes. *Journal of Andrology*, **2007**, 28, 273-81		9
25	Influence of season on testicle size and libido in male goats from the Mediterranean area. *Animal Science*, **1991**, 52, 317-321		9
24	L-fucosidase enhances capacitation-associated events in porcine spermatozoa. *Veterinary Journal*, **2015**, 203, 109-14	2.5	8
23	Which Low-Abundance Proteins are Present in the Human Milieu of Gamete/Embryo Maternal Interaction?. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	7
22	Effect of in vitrofertilization medium on the acrosome reaction, cortical reaction, zona pellucida hardening and in vitro development in pigs. *Reproduction*, **2002**, 124, 279-88	3.8	7
21	Calreticulin from suboolemmal vesicles affects membrane regulation of polyspermy. *Reproduction*, **2014**, 147, 369-78	3.8	6
20	Reproductive Outcomes and Endocrine Profile in Artificially Inseminated versus Embryo Transferred Cows. *Animals*, **2020**, 10,	3.1	6
19	Mimicking the temperature gradient between the sow's oviduct and uterus improves in vitro embryo culture output. *Molecular Human Reproduction*, **2020**, 26, 748-759	4.4	5

18	Reproductive fluids, used for the in vitro production of pig embryos, result in healthy offspring and avoid aberrant placental expression of PEG3 and LUM. *Journal of Animal Science and Biotechnology*, **2021**, 12, 32	6	5
17	Author response: DNA methylation and gene expression changes derived from assisted reproductive technologies can be decreased by reproductive fluids **2017**,		3
16	Total urokinase-type plasminogen activator (uPA) levels in seminal plasma are associated with positive assisted reproductive technology outcomes. *Journal of Assisted Reproduction and Genetics*, **2018**, 35, 1091-1101	3.4	2
15	Physiology learning for veterinary students: impact of guided practices on students' opinion and physiological parameters. *American Journal of Physiology - Advances in Physiology Education*, **2018**, 42, 215-224	1.9	2
14	Cultured bovine embryo biopsy conserves methylation marks from original embryo. *Biology of Reproduction*, **2017**, 97, 189-196	3.9	2
13	The oviductal transcriptome is influenced by a local ovarian effect in the sow. *Journal of Ovarian Research*, **2016**, 9, 44	5.5	2
12	Reproductive technologies in swine **2020**, 67-79		1
11	Reproductive fluids, added to the culture media, contribute to minimizing phenotypical differences between in vitro-derived and artificial insemination-derived piglets.. *Journal of Developmental Origins of Health and Disease*, **2022**, 1-13	2.4	1
10	Growth analysis and blood profile in piglets born by embryo transfer. *Research in Veterinary Science*, **2021**, 142, 43-53	2.5	1
9	Year-Long Phenotypical Study of Calves Derived From Different Assisted-Reproduction Technologies.. *Frontiers in Veterinary Science*, **2021**, 8, 739041	3.1	1
8	Biological Modifications of Zona Pellucida Affecting Resistance to Proteases Digestion, Sperm Binding, and Monospermy Are Mediated by Oviduct-Specific Glycoprotein in Pig and Cow.. *Biology of Reproduction*, **2008**, 78, 211-212	3.9	1
7	Culture Medium and Sex Drive Epigenetic Reprogramming in Preimplantation Bovine Embryos. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
6	Tissue plasminogen activator (tPA) of paternal origin is necessary for the success of in vitro but not of in vivo fertilisation in the mouse. *Reproduction, Fertility and Development*, **2019**, 31, 433-442	1.8	1
5	Alcohol use and tobacco smoking in relation to ovarian response among egg donors. *Fertility and Sterility*, **2018**, 110, e174	4.8	1
4	Physicochemical and Functional Characterization of Female Reproductive Fluids: A Report of the First Two Infants Born Following Addition of Their Mother's Fluids to the Embryo Culture Media. *Frontiers in Physiology*, **2021**, 12, 710887	4.6	1
3	Addition of exogenous proteins detected in oviductal secretions to in-vitro culture medium does not improve the efficiency of in-vitro fertilization in pigs. *Theriogenology*, **2020**, 157, 490-497	2.8	0
2	The embryo culture media in the era of epigenetics: is it time to go back to nature?. *Animal Reproduction*, **2022**, 19, e20210132	1.7	0
1	Fallopian Tube/Oviduct **2018**, 276-281		