

List of Publications by Citations

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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.

102 papers	4,667 citations	27 h-index	67 g-index
108 ext. papers	5,306 ext. citations	5.1 avg, IF	5.22 L-index

#	Paper	IF	Citations
102	Efficient and rapid generation of induced pluripotent stem cells from human keratinocytes. <i>Nature Biotechnology</i> , 2008 , 26, 1276-84	44.5	1126
101	Disease-corrected haematopoietic progenitors from Fanconi anaemia induced pluripotent stem cells. <i>Nature</i> , 2009 , 460, 53-9	50.4	580
100	Generation of induced pluripotent stem cells from human cord blood using OCT4 and SOX2. <i>Cell Stem Cell</i> , 2009 , 5, 353-7	18	334
99	Generation of mouse-induced pluripotent stem cells by transient expression of a single nonviral polycistronic vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8918-22	11.5	213
98	Waves of early transcriptional activation and pluripotency program initiation during human preimplantation development. <i>Development (Cambridge)</i> , 2011 , 138, 3699-709	6.6	183
97	Human and mouse adipose-derived cells support feeder-independent induction of pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3558-63	11.5	145
96	Complete meiosis from human induced pluripotent stem cells. <i>Stem Cells</i> , 2011 , 29, 1186-95	5.8	144
95	Role of adenosine triphosphate, active mitochondria, and microtubules in the acquisition of developmental competence of parthenogenetically activated pig oocytes. <i>Biology of Reproduction</i> , 2005 , 72, 1218-23	3.9	129
94	Role of intracellular cyclic adenosine 3'5'Smonophosphate concentration and oocyte-cumulus cells communications on the acquisition of the developmental competence during in vitro maturation of bovine oocyte. <i>Biology of Reproduction</i> , 2004 , 70, 465-72	3.9	115
93	The why, the how and the when of PGS 2.0: current practices and expert opinions of fertility specialists, molecular biologists, and embryologists. <i>Molecular Human Reproduction</i> , 2016 , 22, 845-57	4.4	99
92	Morphology and developmental competence of bovine oocytes relative to follicular status. <i>Theriogenology</i> , 2003 , 60, 923-32	2.8	83
91	Reprogramming of human fibroblasts to induced pluripotent stem cells under xeno-free conditions. <i>Stem Cells</i> , 2010 , 28, 36-44	5.8	77
90	Species-dependent expression patterns of DNA methyltransferase genes in mammalian oocytes and preimplantation embryos. <i>Molecular Reproduction and Development</i> , 2005 , 72, 430-6	2.6	74
89	Tough beginnings: alterations in the transcriptome of cloned embryos during the first two cell cycles. <i>Developmental Biology</i> , 2007 , 304, 75-89	3.1	66
88	Analysis of polysomal mRNA populations of mouse oocytes and zygotes: dynamic changes in maternal mRNA utilization and function. <i>Developmental Biology</i> , 2006 , 298, 155-66	3.1	63
87	Genome engineering through CRISPR/Cas9 technology in the human germline and pluripotent stem cells. <i>Human Reproduction Update</i> , 2016 , 22, 411-9	15.8	63
86	Is oocyte donation a risk factor for preeclampsia? A systematic review and meta-analysis. <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 855-63	3.4	60

85	Paternal age and assisted reproductive outcomes in ICSI donor oocytes: is there an effect of older fathers?. <i>Human Reproduction</i> , 2014 , 29, 2114-22	5.7	60
84	Stem cells in reproductive medicine: ready for the patient?. <i>Human Reproduction</i> , 2015 , 30, 2014-21	5.7	53
83	Generation of feeder-free pig induced pluripotent stem cells without Pou5f1. <i>Cell Transplantation</i> , 2012 , 21, 815-25	4	51
82	Increasing fertility knowledge and awareness by tailored education: a randomized controlled trial. <i>Reproductive BioMedicine Online</i> , 2016 , 32, 113-20	4	39
81	Effects of in vitro oocyte maturation and embryo culture on the expression of glucose transporters, glucose metabolism and insulin signaling genes in rhesus monkey oocytes and preimplantation embryos. <i>Molecular Human Reproduction</i> , 2007 , 13, 361-71	4.4	39
80	Two decades of embryonic stem cells: a historical overview. <i>Human Reproduction Open</i> , 2019 , 2019, hoy024	0.4	34
79	There is no evidence that the time from egg retrieval to embryo transfer affects live birth rates in a freeze-all strategy. <i>Human Reproduction</i> , 2017 , 32, 368-374	5.7	33
78	Non-equivalence of embryonic and somatic cell nuclei affecting spindle composition in clones. <i>Developmental Biology</i> , 2006 , 289, 206-17	3.1	33
77	Ultrasound image characteristics of ovarian follicles in relation to oocyte competence and follicular status in cattle. <i>Animal Reproduction Science</i> , 2003 , 76, 25-41	2.1	31
76	Changes in ovarian, follicular, and oocyte morphology immediately after the onset of puberty are not accompanied by an increase in oocyte developmental competence in the pig. <i>Theriogenology</i> , 2004 , 62, 1003-11	2.8	31
75	PLCβ sequence, protein levels, and distribution in human sperm do not correlate with semen characteristics and fertilization rates after ICSI. <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 747-56	3.4	27
74	The transcriptome of human oocytes is related to age and ovarian reserve. <i>Molecular Human Reproduction</i> , 2017 , 23, 535-548	4.4	26
73	The unfolded protein response contributes to preimplantation mouse embryo death in the DDK syndrome. <i>Biology of Reproduction</i> , 2009 , 80, 944-53	3.9	26
72	Endometrial preparation: effect of estrogen dose and administration route on reproductive outcomes in oocyte donation cycles with fresh embryo transfer. <i>Human Reproduction</i> , 2016 , 31, 1755-64	5.7	25
71	Knowledge of age-related fertility decline in women: A systematic review. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2018 , 230, 109-118	2.4	25
70	Empty follicle syndrome prevalence and management in oocyte donors. <i>Human Reproduction</i> , 2014 , 29, 2221-7	5.7	24
69	Undetectable viral RNA in oocytes from SARS-CoV-2 positive women. <i>Human Reproduction</i> , 2021 , 36, 390-394	5.7	24
68	Medroxyprogesterone acetate versus ganirelix in oocyte donation: a randomized controlled trial. <i>Human Reproduction</i> , 2019 , 34, 872-880	5.7	23

67	Expression and downregulation of WNT signaling pathway genes in rhesus monkey oocytes and embryos. <i>Molecular Reproduction and Development</i> , 2006 , 73, 667-77	2.6	23
66	Is there a relation between the time to ICSI and the reproductive outcomes?. <i>Human Reproduction</i> , 2018 , 33, 797-806	5.7	21
65	Novel phospholipase C zeta 1 mutations associated with fertilization failures after ICSI. <i>Human Reproduction</i> , 2019 , 34, 1494-1504	5.7	21
64	Individualized embryo transfer training: timing and performance. <i>Human Reproduction</i> , 2014 , 29, 1432-7	5.7	21
63	Training in empathic skills improves the patient-physician relationship during the first consultation in a fertility clinic. <i>Fertility and Sterility</i> , 2013 , 99, 1413-1418.e1	4.8	19
62	Learning curves in 3-dimensional sonographic follicle monitoring during controlled ovarian stimulation. <i>Journal of Ultrasound in Medicine</i> , 2014 , 33, 649-55	2.9	19
61	Deficiency in recapitulation of stage-specific embryonic gene transcription in two-cell stage cloned mouse embryos. <i>Molecular Reproduction and Development</i> , 2007 , 74, 1548-56	2.6	19
60	Should we worry about the clock? Relationship between time to ICSI and reproductive outcomes in cycles with fresh and vitrified oocytes. <i>Human Reproduction</i> , 2016 , 31, 1182-91	5.7	18
59	Quality of life, anxiety and depression of German, Italian and French couples undergoing cross-border oocyte donation in Spain. <i>Human Reproduction</i> , 2017 , 32, 1862-1870	5.7	17
58	Poor knowledge of age-related fertility decline and assisted reproduction among healthcare professionals. <i>Reproductive BioMedicine Online</i> , 2017 , 34, 32-37	4	17
57	Menstrual cycle length in reproductive age women is an indicator of oocyte quality and a candidate marker of ovarian reserve. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014 , 177, 130-4	2.4	16
56	Vaginal microbiota profile at the time of embryo transfer does not affect live birth rate in IVF cycles with donated oocytes. <i>Reproductive BioMedicine Online</i> , 2019 , 38, 883-891	4	16
55	Role of glucose in cloned mouse embryo development. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 295, E798-809	6	14
54	Semen residual viral load and reproductive outcomes in HIV-infected men undergoing ICSI after extended semen preparation. <i>Reproductive BioMedicine Online</i> , 2016 , 32, 584-90	4	13
53	Oxidative Stress in Reproduction: A Mitochondrial Perspective. <i>Biology</i> , 2020 , 9,	4.9	13
52	Effect of ribonucleic acid (RNA) isolation methods on putative reference genes messenger RNA abundance in human spermatozoa. <i>Andrology</i> , 2015 , 3, 797-804	4.2	12
51	PLC δ disruption with complete fertilization failure in normozoospermia. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 879-86	3.4	11
50	Altered cytoplasmic maturation in rescued in vitro matured oocytes. <i>Human Reproduction</i> , 2019 , 34, 1095-1105	5.7	10

49	Fertility knowledge and awareness in oocyte donors in Spain. <i>Patient Education and Counseling</i> , 2015 , 98, 96-101	3.1	10
48	Sperm telomere length in donor samples is not related to ICSI outcome. <i>Journal of Assisted Reproduction and Genetics</i> , 2018 , 35, 649-657	3.4	9
47	Risk of pre-eclampsia after fresh or frozen embryo transfer in patients undergoing oocyte donation. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2018 , 227, 27-31	2.4	9
46	Accumulation of instability in serial differentiation and reprogramming of parthenogenetic human cells. <i>Human Molecular Genetics</i> , 2012 , 21, 3366-73	5.6	9
45	Single human oocyte transcriptome analysis reveals distinct maturation stage-dependent pathways impacted by age. <i>Aging Cell</i> , 2021 , 20, e13360	9.9	9
44	A novel transnational fresh oocyte donation (TOD) program based on transport of frozen sperm and embryos. <i>Human Reproduction</i> , 2019 , 34, 285-290	5.7	9
43	Insights of the tubulin code in gametes and embryos: from basic research to potential clinical applications in humans <i>Biology of Reproduction</i> , 2019 , 100, 575-589	3.9	9
42	Detection of DNA damage in cumulus cells using a chromatin dispersion assay. <i>Systems Biology in Reproductive Medicine</i> , 2015 , 61, 277-85	2.9	9
41	Comparison of two different oocyte vitrification methods: a prospective, paired study on the same genetic background and stimulation protocol. <i>Human Reproduction</i> , 2019 , 34, 989-997	5.7	8
40	Transcriptomic analysis of the interaction of choriocarcinoma spheroids with receptive vs. non-receptive endometrial epithelium cell lines: an in vitro model for human implantation. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 857-873	3.4	8
39	Characteristics and clinical outcomes of patients undergoing fertility treatment by double gamete donation. <i>Human Fertility</i> , 2016 , 19, 180-5	1.9	8
38	Early transcription from the maternal genome controlling blastomere integrity in mouse two-cell-stage embryos. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 298, C1235-44	5.4	8
37	Risk of preeclampsia in pregnancies resulting from double gamete donation and from oocyte donation alone. <i>Pregnancy Hypertension</i> , 2018 , 13, 133-137	2.6	7
36	Efficiency and efficacy of vitrification in 35 654 sibling oocytes from donation cycles. <i>Human Reproduction</i> , 2020 , 35, 2262-2271	5.7	7
35	Oxidative stress level in fresh ejaculate is not related to semen parameters or to pregnancy rates in cycles with donor oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 529-34	3.4	7
34	WBP2NL/PAWP mRNA and protein expression in sperm cells are not related to semen parameters, fertilization rate, or reproductive outcome. <i>Journal of Assisted Reproduction and Genetics</i> , 2017 , 34, 803-810	3.4	6
33	A follow-up study of the long-term satisfaction, reproductive experiences, and self-reported health status of oocyte donors in Spain. <i>European Journal of Contraception and Reproductive Health Care</i> , 2019 , 24, 227-232	1.8	5
32	Could fertility clinics offer a sizable improvement of live birth rates by maturing post-GVBD oocytes in vitro?. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 1927-1934	3.4	5

31	Influence of Donor, Recipient, and Male Partner Body Mass index on Pregnancy Rates in Oocyte Donation Cycles. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2015 , 19, 53-8	1.7	5
30	Are we ready to inject? Individualized LC-CUSUM training in ICSI. <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 1009-15	3.4	4
29	Use of donor sperm in addition to oocyte donation after repeated implantation failure in normozoospermic patients does not improve live birth rates. <i>Human Reproduction</i> , 2016 , 31, 2549-2553	5.7	4
28	The ethics of preconception expanded carrier screening in patients seeking assisted reproduction. <i>Human Reproduction Open</i> , 2021 , 2021, hoaa063	6.1	4
27	The human sperm basal body is a complex centrosome important for embryo preimplantation development. <i>Molecular Human Reproduction</i> , 2021 , 27,	4.4	4
26	Mapping research in assisted reproduction worldwide. <i>Reproductive BioMedicine Online</i> , 2020 , 40, 71-81	4	3
25	A freeze-all strategy does not increase live birth rates in women of advanced reproductive age. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 2443-2451	3.4	3
24	Single women and motherhood: right now or maybe later?. <i>Journal of Psychosomatic Obstetrics and Gynaecology</i> , 2020 , 41, 69-73	3.6	3
23	Actions to increase knowledge about age-related fertility decline in women. <i>European Journal of Contraception and Reproductive Health Care</i> , 2018 , 23, 371-378	1.8	3
22	High reliability of morphokinetic annotations among embryologists. <i>Human Reproduction Open</i> , 2018 , 2018, hoy009	6.1	3
21	Assisted oocyte activation effects on the morphokinetic pattern of derived embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2021 , 38, 531-537	3.4	3
20	Transcriptomics analysis and human preimplantation development. <i>Journal of Proteomics</i> , 2017 , 162, 135-140	3.9	2
19	The human sperm basal body is a complex centrosome important for embryo pre-implantation development		2
18	Shared aspects of mRNA expression associated with oocyte maturation failure in humans and rhesus monkeys indicating compromised oocyte quality. <i>Physiological Genomics</i> , 2021 , 53, 137-149	3.6	2
17	A microfluidic sperm-sorting device reduces the proportion of sperm with double-stranded DNA fragmentation. <i>Zygote</i> , 2021 , 1-6	1.6	2
16	Oocyte vitrification does not affect early developmental timings after intracytoplasmic sperm injection for women younger than 30 years old. <i>Molecular Reproduction and Development</i> , 2016 , 83, 624-9	3.6	2
15	Trophoblast attachment to the endometrial epithelium elicits compartment-specific transcriptional waves in an in-vitro model. <i>Reproductive BioMedicine Online</i> , 2021 , 42, 26-38	4	2
14	Revisiting the association between smoking and female fertility using the oocyte donation model. <i>Reproductive BioMedicine Online</i> , 2018 , 37, 564-572	4	2

13	Oocyte developmental competence is independent of ovarian reserve in women younger than 35 years. <i>Reproductive BioMedicine Online</i> , 2018 , 37, 677-684	4	2
12	Functional Analysis of Human Pathological Semen Samples in an Oocyte Cytoplasmic Ex Vivo System. <i>Scientific Reports</i> , 2018 , 8, 15348	4.9	2
11	Reproductive Outcomes in Lesbian Couples Undergoing Reception of Oocytes from Partner Versus Autologous Fertilization/Intracytoplasmic Sperm Injection. <i>LGBT Health</i> , 2021 , 8, 367-371	4.9	2
10	Is there an association between PAWP/WBP2NL sequence, expression, and distribution in sperm cells and fertilization failures in ICSI cycles?. <i>Molecular Reproduction and Development</i> , 2018 , 85, 163-170	2.6	1
9	Evidence-based medicine in ART. <i>Human Reproduction</i> , 2017 , 32, 256	5.7	1
8	Exploring the pros and cons of new approaches for gamete cross-border donation based on fresh and vitrified oocytes. <i>Facts, Views & Vision in ObGyn</i> , 2020 , 12, 111-118	1.4	1
7	Identification of research priorities in infertility and assisted reproduction: an international, multicentre study. <i>Reproductive BioMedicine Online</i> , 2020 , 40, 238-244	4	1
6	Human oocyte meiotic maturation is associated with a specific profile of alternatively spliced transcript isoforms. <i>Molecular Reproduction and Development</i> , 2021 , 88, 605-617	2.6	1
5	Altered mitochondrial function in spermatozoa from patients with repetitive fertilization failure after ICSI revealed by proteomics. <i>Andrology</i> , 2021 , 9, 1192-1204	4.2	0
4	Sperm donation: an alternative to improve post-ICSI live birth rates in advanced maternal age patients. <i>Human Reproduction</i> , 2021 , 36, 2148-2156	5.7	0
3	Barriers and factors associated with significant delays to initial consultation and treatment for infertile patients and partners of infertile patients. <i>Reproductive BioMedicine Online</i> , 2021 , 43, 1126-1136	4	0
2	#ESHREjc report: ovarian stimulation practice after the OPTIMIST trial and evidence-based medicine. <i>Human Reproduction</i> , 2021 , 36, 2808-2810	5.7	
1	Reply: The transnational fresh oocyte donation. Should it be the first choice when implementing an egg donation program in countries with low availability of donors?. <i>Human Reproduction</i> , 2019 , 34, 2552-2553	5.7	