

# Rita Vassena

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

5,928  
citations

126907

33  
h-index

76900

74  
g-index

108  
all docs

108  
docs citations

108  
times ranked

7019  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and rapid generation of induced pluripotent stem cells from human keratinocytes. <i>Nature Biotechnology</i> , 2008, 26, 1276-1284.	17.5	1,275
2	Disease-corrected haematopoietic progenitors from Fanconi anaemia induced pluripotent stem cells. <i>Nature</i> , 2009, 460, 53-59.	27.8	660
3	Generation of Induced Pluripotent Stem Cells from Human Cord Blood Using OCT4 and SOX2. <i>Cell Stem Cell</i> , 2009, 5, 353-357.	11.1	392
4	Waves of early transcriptional activation and pluripotency program initiation during human preimplantation development. <i>Development (Cambridge)</i> , 2011, 138, 3699-3709.	2.5	237
5	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, 8918-8922.	7.1	235
6	Complete Meiosis from Human Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2011, 29, 1186-1195.	3.2	177
7	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, 3558-3563.	7.1	162
8	Role of Adenosine Triphosphate, Active Mitochondria, and Microtubules in the Acquisition of Developmental Competence of Parthenogenetically Activated Pig Oocytes1. <i>Biology of Reproduction</i> , 2005, 72, 1218-1223.	2.7	149
9	Role of Intracellular Cyclic Adenosine 3â€™,5â€™-Monophosphate Concentration and Oocyte-Cumulus Cells Communications on the Acquisition of the Developmental Competence During In Vitro Maturation of Bovine Oocyte1. <i>Biology of Reproduction</i> , 2004, 70, 465-472.	2.7	132
10	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, 845-857.	2.8	116
11	Morphology and developmental competence of bovine oocytes relative to follicular status. <i>Theriogenology</i> , 2003, 60, 923-932.	2.1	95
12	Genome engineering through CRISPR/Cas9 technology in the human germline and pluripotent stem cells. <i>Human Reproduction Update</i> , 2016, 22, 411-419.	10.8	93
13	Reprogramming of Human Fibroblasts to Induced Pluripotent Stem Cells under Xeno-free Conditions Â. <i>Stem Cells</i> , 2010, 28, 36-44.	3.2	92
14	Paternal age and assisted reproductive outcomes in ICSI donor oocytes: is there an effect of older fathers?. <i>Human Reproduction</i> , 2014, 29, 2114-2122.	0.9	90
15	Is oocyte donation a risk factor for preeclampsia? A systematic review and meta-analysis. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 855-863.	2.5	84
16	Species-dependent expression patterns of DNA methyltransferase genes in mammalian oocytes and preimplantation embryos. <i>Molecular Reproduction and Development</i> , 2005, 72, 430-436.	2.0	83
17	Analysis of polysomal mRNA populations of mouse oocytes and zygotes: Dynamic changes in maternal mRNA utilization and function. <i>Developmental Biology</i> , 2006, 298, 155-166.	2.0	70
18	Tough beginnings: Alterations in the transcriptome of cloned embryos during the first two cell cycles. <i>Developmental Biology</i> , 2007, 304, 75-89.	2.0	69

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19	Medroxyprogesterone acetate versus ganirelix in oocyte donation: a randomized controlled trial. <i>Human Reproduction</i> , 2019, 34, 872-880.	0.9	64
20	Two decades of embryonic stem cells: a historical overview. <i>Human Reproduction Open</i> , 2019, 2019, hoy024.	5.4	59
21	Stem cells in reproductive medicine: ready for the patient?: Figure 1. <i>Human Reproduction</i> , 2015, 30, 2014-2021.	0.9	58
22	Increasing fertility knowledge and awareness by tailored education: a randomized controlled trial. <i>Reproductive BioMedicine Online</i> , 2016, 32, 113-120.	2.4	56
23	Generation of Feeder-Free Pig Induced Pluripotent Stem Cells without Pou5f1. <i>Cell Transplantation</i> , 2012, 21, 815-825.	2.5	54
24	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.	0.9	53
25	Novel phospholipase C zeta 1 mutations associated with fertilization failures after ICSI. <i>Human Reproduction</i> , 2019, 34, 1494-1504.	0.9	50
26	Undetectable viral RNA in oocytes from SARS-CoV-2 positive women. <i>Human Reproduction</i> , 2021, 36, 390-394.	0.9	50
27	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.	1.1	49
28	The transcriptome of human oocytes is related to age and ovarian reserve. <i>Molecular Human Reproduction</i> , 2017, 23, 535-548.	2.8	45
29	Single human oocyte transcriptome analysis reveals distinct maturation stage-dependent pathways impacted by age. <i>Aging Cell</i> , 2021, 20, e13360.	6.7	43
30	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, 361-371.	2.8	41
31	Is there a relation between the time to ICSI and the reproductive outcomes?. <i>Human Reproduction</i> , 2018, 33, 797-806.	0.9	40
32	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.	1.5	39
33	Non-equivalence of embryonic and somatic cell nuclei affecting spindle composition in clones. <i>Developmental Biology</i> , 2006, 289, 206-217.	2.0	37
34	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, 1755-1764.	0.9	37
35	Oxidative Stress in Reproduction: A Mitochondrial Perspective. <i>Biology</i> , 2020, 9, 269.	2.8	36
36	PLCÎ¶ 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, 747-756.	2.5	35

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37	Empty follicle syndrome prevalence and management in oocyte donors. <i>Human Reproduction</i> , 2014, 29, 2221-2227.	0.9	34
38	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, 1003-1011.	2.1	33
39	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.	1.0	31
40	The Unfolded Protein Response Contributes to Preimplantation Mouse Embryo Death in the DDK Syndrome1. <i>Biology of Reproduction</i> , 2009, 80, 944-953.	2.7	29
41	Individualized embryo transfer training: timing and performance. <i>Human Reproduction</i> , 2014, 29, 1432-1437.	0.9	29
42	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, 1182-1191.	0.9	28
43	Expression and downregulation of WNT signaling pathway genes in rhesus monkey oocytes and embryos. <i>Molecular Reproduction and Development</i> , 2006, 73, 667-677.	2.0	27
44	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.	2.4	27
45	Efficiency and efficacy of vitrification in 35% sibling oocytes from donation cycles. <i>Human Reproduction</i> , 2020, 35, 2262-2271.	0.9	26
46	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.	0.9	25
47	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, 130-134.	1.1	24
48	Altered cytoplasmic maturation in rescued in vitro matured oocytes. <i>Human Reproduction</i> , 2019, 34, 1095-1105.	0.9	24
49	Learning Curves in 3-Dimensional Sonographic Follicle Monitoring During Controlled Ovarian Stimulation. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 649-655.	1.7	23
50	Poor knowledge of age-related fertility decline and assisted reproduction among healthcare professionals. <i>Reproductive BioMedicine Online</i> , 2017, 34, 32-37.	2.4	23
51	Sperm telomere length in donor samples is not related to ICSI outcome. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 649-657.	2.5	23
52	The human sperm basal body is a complex centrosome important for embryo preimplantation development. <i>Molecular Human Reproduction</i> , 2021, 27, .	2.8	22
53	Deficiency in recapitulation of stage-specific embryonic gene transcription in two-cell stage cloned mouse embryos. <i>Molecular Reproduction and Development</i> , 2007, 74, 1548-1556.	2.0	20
54	A microfluidic sperm-sorting device reduces the proportion of sperm with double-stranded DNA fragmentation. <i>Zygote</i> , 2022, 30, 200-205.	1.1	19

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55	Effect of ribonucleic acid (RNA) isolation methods on putative reference genes messenger RNA abundance in human spermatozoa. <i>Andrology</i> , 2015, 3, 797-804.	3.5	17
56	PLC $\beta$ 1 disruption with complete fertilization failure in normozoospermia. <i>Journal of Assisted Reproduction and Genetics</i> , 2015, 32, 879-886.	2.5	17
57	A novel transnational fresh oocyte donation (TOD) program based on transport of frozen sperm and embryos. <i>Human Reproduction</i> , 2019, 34, 285-290.	0.9	17
58	Role of glucose in cloned mouse embryo development. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E798-E809.	3.5	16
59	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.	0.9	16
60	Semen residual viral load and reproductive outcomes in HIV-infected men undergoing ICSI after extended semen preparation. <i>Reproductive BioMedicine Online</i> , 2016, 32, 584-590.	2.4	15
61	Risk of preeclampsia in pregnancies resulting from double gamete donation and from oocyte donation alone. <i>Pregnancy Hypertension</i> , 2018, 13, 133-137.	1.4	14
62	The ethics of preconception expanded carrier screening in patients seeking assisted reproduction. <i>Human Reproduction Open</i> , 2021, 2021, hoaa063.	5.4	14
63	Fertility knowledge and awareness in oocyte donors in Spain. <i>Patient Education and Counseling</i> , 2015, 98, 96-101.	2.2	13
64	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.	2.5	13
65	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.	2.5	13
66	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.	2.7	13
67	Characteristics and clinical outcomes of patients undergoing fertility treatment by double gamete donation. <i>Human Fertility</i> , 2016, 19, 180-185.	1.7	12
68	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.	2.5	12
69	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.	1.1	12
70	Reproductive Outcomes in Lesbian Couples Undergoing Reception of Oocytes from Partner Versus Autologous <i>In Vitro</i> Fertilization/Intracytoplasmic Sperm Injection. <i>LGBT Health</i> , 2021, 8, 367-371.	3.4	11
71	Detection of DNA damage in cumulus cells using a chromatin dispersion assay. <i>Systems Biology in Reproductive Medicine</i> , 2015, 61, 277-85.	2.1	11
72	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, 529-534.	2.5	10

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73	High reliability of morphokinetic annotations among embryologists. <i>Human Reproduction Open</i> , 2018, 2018, hoy009.	5.4	10
74	Altered mitochondrial function in spermatozoa from patients with repetitive fertilization failure after ICSI revealed by proteomics. <i>Andrology</i> , 2021, 9, 1192-1204.	3.5	10
75	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.	2.4	10
76	Accumulation of instability in serial differentiation and reprogramming of parthenogenetic human cells. <i>Human Molecular Genetics</i> , 2012, 21, 3366-3373.	2.9	9
77	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.	1.5	9
78	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-C1244.	4.6	8
79	Are we ready to inject? Individualized LC-CUSUM training in ICSI. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 1009-1015.	2.5	8
80	Assisted oocyte activation effects on the morphokinetic pattern of derived embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 531-537.	2.5	8
81	Mapping research in assisted reproduction worldwide. <i>Reproductive BioMedicine Online</i> , 2020, 40, 71-81.	2.4	7
82	Revisiting the association between smoking and female fertility using the oocyte donation model. <i>Reproductive BioMedicine Online</i> , 2018, 37, 564-572.	2.4	6
83	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.	0.7	6
84	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.	0.9	5
85	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.	1.5	5
86	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.	2.5	5
87	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.	2.4	5
88	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.	2.3	5
89	Sperm donation: an alternative to improve post-ICSI live birth rates in advanced maternal age patients. <i>Human Reproduction</i> , 2021, 36, 2148-2156.	0.9	5
90	Oocyte developmental competence is independent of ovarian reserve in women younger than 35 years. <i>Reproductive BioMedicine Online</i> , 2018, 37, 677-684.	2.4	4

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91	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.	2.0	4
92	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, 624-629.	2.0	3
93	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.	2.0	3
94	Functional Analysis of Human Pathological Semen Samples in an Oocyte Cytoplasmic Ex Vivo System. <i>Scientific Reports</i> , 2018, 8, 15348.	3.3	3
95	Single women and motherhood: right now or maybe later?. <i>Journal of Psychosomatic Obstetrics and Gynaecology</i> , 2020, 41, 69-73.	2.1	3
96	How long can the sperm wait? Effect of incubation time on ICSI outcomes. <i>Molecular Reproduction and Development</i> , 2022, 89, 133-145.	2.0	3
97	Transcriptomics analysis and human preimplantation development. <i>Journal of Proteomics</i> , 2017, 162, 135-140.	2.4	2
98	Identification of research priorities in infertility and assisted reproduction: an international, multicentre study. <i>Reproductive BioMedicine Online</i> , 2020, 40, 238-244.	2.4	2
99	Evidence-based medicine in ART. <i>Human Reproduction</i> , 2016, 32, 256.	0.9	1
100	Exploring the pros and cons of new approaches for gamete cross-border donation based on fresh and vitrified oocytes. <i>Facts, Views &amp; Vision in ObGyn</i> , 2020, 12, 111-118.	1.1	1
101	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.	0.9	0
102	#ESHREjc report: ovarian stimulation practice after the OPTIMIST trial and evidence-based medicine. <i>Human Reproduction</i> , 2021, 36, 2808-2810.	0.9	0