

# Andrea Borini

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1939950/andrea-borini-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.

109  
papers

4,422  
citations

38  
h-index

65  
g-index

121  
ext. papers

5,020  
ext. citations

3.5  
avg, IF

5.24  
L-index

#	Paper	IF	Citations
109	Sperm DNA fragmentation: paternal effect on early post-implantation embryo development in ART. <i>Human Reproduction</i> , <b>2006</b> , 21, 2876-81	5.7	362
108	Endometriosis and infertility. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2010</b> , 27, 441-7	3.4	299
107	Clinical outcome of oocyte cryopreservation after slow cooling with a protocol utilizing a high sucrose concentration. <i>Human Reproduction</i> , <b>2006</b> , 21, 512-7	5.7	190
106	Pregnancies and births after oocyte cryopreservation. <i>Fertility and Sterility</i> , <b>2004</b> , 82, 601-5	4.8	175
105	Human Sperm Cryopreservation: Update on Techniques, Effect on DNA Integrity, and Implications for ART. <i>Advances in Urology</i> , <b>2012</b> , 2012, 854837	1.6	159
104	Detailed investigation into the cytogenetic constitution and pregnancy outcome of replacing mosaic blastocysts detected with the use of high-resolution next-generation sequencing. <i>Fertility and Sterility</i> , <b>2017</b> , 108, 62-71.e8	4.8	157
103	Polar body morphology and spindle imaging as predictors of oocyte quality. <i>Reproductive BioMedicine Online</i> , <b>2005</b> , 11, 36-42	4	138
102	Analysis of implantation and ongoing pregnancy rates following the transfer of mosaic diploid-aneuploid blastocysts. <i>Human Genetics</i> , <b>2017</b> , 136, 805-819	6.3	125
101	Clinical relevance of sperm DNA damage in assisted reproduction. <i>Reproductive BioMedicine Online</i> , <b>2007</b> , 14, 746-57	4	124
100	What criteria for the definition of oocyte quality?. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1034, 132-44	6.5	123
99	Differential sucrose concentration during dehydration (0.2 mol/l) and rehydration (0.3 mol/l) increases the implantation rate of frozen human oocytes. <i>Reproductive BioMedicine Online</i> , <b>2007</b> , 14, 64-71	4	121
98	Meiotic spindle imaging in human oocytes frozen with a slow freezing procedure involving high sucrose concentration. <i>Human Reproduction</i> , <b>2005</b> , 20, 1078-83	5.7	109
97	Cumulative pregnancy rates resulting from the use of fresh and frozen oocytes: 7 yearsR experience. <i>Reproductive BioMedicine Online</i> , <b>2006</b> , 12, 481-6	4	97
96	Ultrastructure of human mature oocytes after slow cooling cryopreservation using different sucrose concentrations. <i>Human Reproduction</i> , <b>2007</b> , 22, 1123-33	5.7	92
95	Endometrial preparation for frozen-thawed embryo transfer with or without pretreatment with gonadotropin-releasing hormone agonist. <i>Fertility and Sterility</i> , <b>2002</b> , 77, 956-60	4.8	92
94	Sucrose concentration influences the rate of human oocytes with normal spindle and chromosome configurations after slow-cooling cryopreservation. <i>Human Reproduction</i> , <b>2006</b> , 21, 1771-6	5.7	90
93	Meiotic spindle dynamics in human oocytes following slow-cooling cryopreservation. <i>Human Reproduction</i> , <b>2009</b> , 24, 2114-23	5.7	87

92	Predictive factors for embryo implantation potential. <i>Reproductive BioMedicine Online</i> , <b>2005</b> , 10, 653-68	4	76
91	Evidence-based clinical outcome of oocyte slow cooling. <i>Reproductive BioMedicine Online</i> , <b>2007</b> , 15, 175-81	4	74
90	Multicenter observational study on slow-cooling oocyte cryopreservation: clinical outcome. <i>Fertility and Sterility</i> , <b>2010</b> , 94, 1662-8	4.8	67
89	Oocyte donation program: pregnancy and implantation rates in women of different ages sharing oocytes from single donor. <i>Fertility and Sterility</i> , <b>1996</b> , 65, 94-7	4.8	64
88	A putative mitotic checkpoint dependent on mTOR function controls cell proliferation and survival in ovarian granulosa cells. <i>Reproductive Sciences</i> , <b>2008</b> , 15, 128-38	3	63
87	Impact of intracytoplasmic morphologically selected sperm injection on assisted reproduction outcome: a review. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 19 Suppl 3, 45-55	4	62
86	Anomalies in sperm chromatin packaging: implications for assisted reproduction techniques. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 18, 486-95	4	60
85	Pregnancies in postmenopausal women over 50 years old in an oocyte donation program**Presented at the 42nd Annual Meeting of the Pacific Coast Fertility Society, Indian Wells, California, April 20 to 24, 1994.. <i>Fertility and Sterility</i> , <b>1995</b> , 63, 258-261	4.8	57
84	Volume changes of mature human oocytes on exposure to cryoprotectant solutions used in slow cooling procedures. <i>Human Reproduction</i> , <b>2005</b> , 20, 1194-9	5.7	56
83	Probiotics can induce follicle maturational competence: the Danio rerio case. <i>Biology of Reproduction</i> , <b>2012</b> , 86, 65	3.9	54
82	Permeability of human oocytes to ethylene glycol and their survival and spindle configurations after slow cooling cryopreservation. <i>Human Reproduction</i> , <b>2007</b> , 22, 2776-83	5.7	51
81	Variation of DNA Fragmentation Levels During Density Gradient Sperm Selection for Assisted Reproduction Techniques: A Possible New Male Predictive Parameter of Pregnancy?. <i>Medicine (United States)</i> , <b>2016</b> , 95, e3624	1.8	49
80	Comparative analysis of the metaphase II spindle of human oocytes through polarized light and high-performance confocal microscopy. <i>Fertility and Sterility</i> , <b>2010</b> , 93, 2056-64	4.8	49
79	Clinical efficiency of oocyte and embryo cryopreservation. <i>Annals of the New York Academy of Sciences</i> , <b>2008</b> , 1127, 49-58	6.5	49
78	Ultrastructure of human mature oocytes after slow cooling cryopreservation with ethylene glycol. <i>Reproductive BioMedicine Online</i> , <b>2008</b> , 17, 368-77	4	48
77	Criteria to assess human oocyte quality after cryopreservation. <i>Reproductive BioMedicine Online</i> , <b>2005</b> , 11, 421-7	4	46
76	Interplay between autophagy and apoptosis in the development of Danio rerio follicles and the effects of a probiotic. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, 1115-25	1.8	43
75	Perifollicular vascularity and its relationship with oocyte maturity and IVF outcome. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 943, 64-7	6.5	42

74	Sperm-hyaluronan-binding assay: clinical value in conventional IVF under Italian law. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 19 Suppl 3, 35-43	4	39
73	Oocyte slow freezing using a 0.2-0.3 M sucrose concentration protocol: is it really the time to trash the cryopreservation machine?. <i>Fertility and Sterility</i> , <b>2012</b> , 97, 1101-7	4.8	38
72	Objective evaluation of the viability of cryopreserved oocytes. <i>Reproductive BioMedicine Online</i> , <b>2007</b> , 15, 338-45	4	38
71	Qualitative and morphometric analysis of the ultrastructure of human oocytes cryopreserved by two alternative slow cooling protocols. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2010</b> , 27, 131-40	3.4	35
70	Vaginal gel versus intramuscular progesterone for luteal phase supplementation: a prospective randomized trial. <i>Reproductive BioMedicine Online</i> , <b>2008</b> , 16, 361-7	4	35
69	Half-dose depot triptorelin in pituitary suppression for multiple ovarian stimulation in assisted reproduction technology: a randomized study. <i>Human Reproduction</i> , <b>2004</b> , 19, 2200-5	5.7	32
68	Fine morphological assessment of quality of human mature oocytes after slow freezing or vitrification with a closed device: a comparative analysis. <i>Reproductive Biology and Endocrinology</i> , <b>2014</b> , 12, 110	5	31
67	The enigmatic morula: mechanisms of development, cell fate determination, self-correction and implications for ART. <i>Human Reproduction Update</i> , <b>2019</b> , 25, 422-438	15.8	30
66	Annexin V magnetic-activated cell sorting versus swim-up for the selection of human sperm in ART: is the new approach better than the traditional one?. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2014</b> , 31, 1045-51	3.4	30
65	European REcommendations for female FERtility preservation (EU-REFER): A joint collaboration between oncologists and fertility specialists. <i>Critical Reviews in Oncology/Hematology</i> , <b>2019</b> , 138, 233-240	7	28
64	Characterization, expression, and functional activity of pituitary adenylate cyclase-activating polypeptide and its receptors in human granulosa-luteal cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 4924-32	5.6	26
63	Cryopreservation of mature and immature oocytes. <i>Clinical Obstetrics and Gynecology</i> , <b>2010</b> , 53, 763-74	1.7	25
62	ART results with frozen oocytes: data from the Italian ART registry (2005-2013). <i>Journal of Assisted Reproduction and Genetics</i> , <b>2016</b> , 33, 123-8	3.4	24
61	The artificial womb. <i>Annals of the New York Academy of Sciences</i> , <b>2011</b> , 1221, 124-8	6.5	23
60	Freeze/thaw stress induces organelle remodeling and membrane recycling in cryopreserved human mature oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2016</b> , 33, 1559-1570	3.4	21
59	Vibrational characterization of granulosa cells from patients affected by unilateral ovarian endometriosis: New insights from infrared and Raman microspectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 212, 206-214	4.4	21
58	Cumulative live birth rate in freeze-all cycles is comparable to that of a conventional embryo transfer policy at the cleavage stage but superior at the blastocyst stage. <i>Fertility and Sterility</i> , <b>2018</b> , 110, 703-709	4.8	21
57	A quantitative approach to blastocyst quality evaluation: morphometric analysis and related IVF outcomes. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 705-12	3.4	20

56	Use of antagonists in ovarian stimulation protocols. <i>Reproductive BioMedicine Online</i> , <b>2005</b> , 10, 330-8	4	20
55	Influence of thyroid hormone on mouse preantral follicle development in vitro. <i>Fertility and Sterility</i> , <b>2004</b> , 81 Suppl 1, 919-24	4.8	20
54	A new approach to evaluate aging effects on human oocytes: Fourier transform infrared imaging spectroscopy study. <i>Fertility and Sterility</i> , <b>2014</b> , 101, 120-7	4.8	18
53	The efficacy and safety of human oocyte cryopreservation by slow cooling. <i>Seminars in Reproductive Medicine</i> , <b>2009</b> , 27, 443-9	1.4	18
52	A PolScope evaluation of meiotic spindle dynamics in frozen-thawed oocytes. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 19, 191-7	4	17
51	Perifollicular vascularity monitoring and scoring: a clinical tool for selecting the best oocyte. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2004</b> , 115 Suppl 1, S102-5	2.4	17
50	Vaginal parturition decreases recurrence of endometriosis. <i>Fertility and Sterility</i> , <b>2010</b> , 94, 850-5	4.8	12
49	Effect of piroxicam administration before embryo transfer on IVF outcome: a randomized controlled trial. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 19, 604-9	4	12
48	Live birth after IVF in a 46-year-old woman. <i>Reproductive BioMedicine Online</i> , <b>2005</b> , 11, 452-4	4	12
47	Embryo morphokinetic characteristics and euploidy. <i>Current Opinion in Obstetrics and Gynecology</i> , <b>2018</b> , 30, 185-196	2.4	11
46	Male factor infertility impacts the rate of mosaic blastocysts in cycles of preimplantation genetic testing for aneuploidy. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2019</b> , 36, 2047-2055	3.4	11
45	Use of recombinant leukemia inhibitory factor in embryo implantation. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 828, 157-61	6.5	11
44	Tailoring FSH and LH administration to individual patients. <i>Reproductive BioMedicine Online</i> , <b>2005</b> , 11, 283-93	4	11
43	Best protocol for frozen-thawed embryo transfer-cost benefit analysis needed. <i>Fertility and Sterility</i> , <b>2006</b> , 86, 1554-5; author reply 1555-6	4.8	11
42	Does the molecular and metabolic profile of human granulosa cells correlate with oocyte fate? New insights by Fourier transform infrared microspectroscopy analysis. <i>Molecular Human Reproduction</i> , <b>2018</b> , 24, 521-532	4.4	10
41	Comparison of IVF and ICSI when only few oocytes are available for insemination. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 19, 270-5	4	10
40	Artificial reproductive technology achievements for optimizing embryo quality. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1034, 252-61	6.5	10
39	Oocyte donation programs: strategy for improving results. <i>Annals of the New York Academy of Sciences</i> , <b>2011</b> , 1221, 27-31	6.5	9

38	Inadvertent recombinant human follicle stimulating hormone bolus instead of human chorionic gonadotrophin leads to the retrieval of competent oocytes in IVF program. <i>Fertility and Sterility</i> , <b>2009</b> , 92, 1747.e1-3	4.8	8
37	Perturbations of morphogenesis at the compaction stage affect blastocyst implantation and live birth rates. <i>Human Reproduction</i> , <b>2021</b> , 36, 918-928	5.7	8
36	Sperm count affects cumulative birth rate of assisted reproduction cycles in relation to ovarian response. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2020</b> , 37, 1653-1659	3.4	7
35	Fertility Preservation Methods in Breast Cancer. <i>Breast Care</i> , <b>2012</b> , 7, 197-202	2.4	7
34	Alternative patterns of partial embryo compaction: prevalence, morphokinetic history and possible implications. <i>Reproductive BioMedicine Online</i> , <b>2020</b> , 40, 347-354	4	7
33	Plasticity of the human preimplantation embryo: developmental dogmas, variations on themes and self-correction. <i>Human Reproduction Update</i> , <b>2021</b> , 27, 848-865	15.8	7
32	Sperm DNA fragmentation testing in male infertility work-up: are we ready?. <i>Translational Andrology and Urology</i> , <b>2017</b> , 6, S580-S582	2.3	6
31	Oocyte freezing: a positive comment based on our experience. <i>Reproductive BioMedicine Online</i> , <b>2003</b> , 7, 120	4	6
30	Colour power Doppler in infertility and ART. <i>Reviews in Gynaecological Practice</i> , <b>2004</b> , 4, 230-234		6
29	The subcortical maternal complex: emerging roles and novel perspectives. <i>Molecular Human Reproduction</i> , <b>2021</b> , 27,	4.4	6
28	Effect on Sperm DNA Quality Following Sperm Selection for ART: New Insights. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1166, 169-187	3.6	5
27	Testicular fine needle aspiration in non-obstructive azoospermia: our results. <i>Fertility and Sterility</i> , <b>2002</b> , 78, S209	4.8	4
26	Cytoplasmic movements of the early human embryo: imaging and artificial intelligence to predict blastocyst development. <i>Reproductive BioMedicine Online</i> , <b>2021</b> , 42, 521-528	4	4
25	Genetic causes of preimplantation embryo developmental failure. <i>Molecular Reproduction and Development</i> , <b>2021</b> , 88, 338-348	2.6	4
24	Type of protein supplement in cryopreservation solutions impacts on the degree of ultrastructural damage in frozen-thawed human oocytes. <i>Cryobiology</i> , <b>2020</b> , 95, 143-150	2.7	3
23	Fertility preservation in women after the cancer. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 293-302	3.3	3
22	Laparoscopic surgery and assisted reproductive techniques. Combined strategies of therapy in infertile women. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 828, 316-25	6.5	3
21	Fertilization rate as a novel indicator for cumulative live birth rate: a multicenter retrospective cohort study of 9,394 complete in vitro fertilization cycles. <i>Fertility and Sterility</i> , <b>2021</b> , 116, 766-773	4.8	3

20	DNA Fragmentation in Viable and Non-Viable Spermatozoa Discriminates Fertile and Subfertile Subjects with Similar Accuracy. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	2
19	Embryonic stem cells derived from in vivo or in vitro-generated murine blastocysts display similar transcriptome and differentiation potential. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117422	3.7	2
18	A novel in vitro sperm head decondensation protocol for rapid flow cytometric measurement of deoxyribonucleic acid content. <i>Fertility and Sterility</i> , <b>2013</b> , 99, 1857-61	4.8	2
17	Success Rates from Oocyte Cryopreservation. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , <b>2009</b> , 235-245		2
16	The slippery slope antedating syngamy: pronuclear activity in preparation for the first cleavage. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2021</b> , 38, 1721-1723	3.4	2
15	Influence of spermatozoa characteristics on gamete intra-fallopian transfer procedures: analysis of results obtained utilizing normozoospermic, oligoasthenozoospermic and donor spermatozoa. <i>Human Reproduction</i> , <b>1993</b> , 8, 2098-101	5.7	1
14	Embryo morphokinetic score is associated with biomarkers of developmental competence and implantation. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2021</b> , 38, 1737-1743	3.4	1
13	Does morphological assessment predict oocyte developmental competence? A systematic review and proposed score.. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2022</b> , 39, 3	3.4	0
12	Oocyte aging: looking beyond chromosome segregation errors.. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2022</b> , 1	3.4	0
11	Fine-tuning IVF laboratory key performance indicators of the Vienna consensus according to female age.. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2022</b> , 1	3.4	0
10	Oocyte cryopreservation283-292		
9	Cryopreservation of oocytes by slow cooling120-130		
8	The role of gamete intrafallopian transfer (GIFT) and tubal embryo transfer (TET) in the treatment of patients with patent tubes associated with male infertility factor. <i>Journal of Assisted Reproduction and Genetics</i> , <b>1993</b> , 10, 266-70	3.4	
7	The human oocyte <b>2008</b> , 255-266		
6	Oocyte Cryopreservation <b>2012</b> , 89-105		
5	The human oocyte: Controlled rate cooling <b>2012</b> , 275-284		
4	Oocyte Cryopreservation <b>2013</b> , 111-132		
3	The Association of Kinetic Variables with Blastocyst Development and Ploidy Status.. <i>Journal of Reproduction and Infertility</i> , <b>2021</b> , 22, 159-164	1.5	

2 The Case against Mild Stimulation Protocols **2022**, 47-54

1 Use of mineral oil in IVF culture systems: physico-chemical aspects, management, and safety..  
*Journal of Assisted Reproduction and Genetics*, **2022**, 39, 883

3-4