

Andrea Borini

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.

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	Does morphological assessment predict oocyte developmental competence? A systematic review and proposed score.. <i>Journal of Assisted Reproduction and Genetics</i> , 2022 , 39, 3	3.4	0
108	Oocyte aging: looking beyond chromosome segregation errors.. <i>Journal of Assisted Reproduction and Genetics</i> , 2022 , 1	3.4	0
107	Fine-tuning IVF laboratory key performance indicators of the Vienna consensus according to female age.. <i>Journal of Assisted Reproduction and Genetics</i> , 2022 , 1	3.4	0
106	The Case against Mild Stimulation Protocols 2022 , 47-54		
105	Use of mineral oil in IVF culture systems: physico-chemical aspects, management, and safety.. <i>Journal of Assisted Reproduction and Genetics</i> , 2022 , 39, 883	3.4	
104	Cytoplasmic movements of the early human embryo: imaging and artificial intelligence to predict blastocyst development. <i>Reproductive BioMedicine Online</i> , 2021 , 42, 521-528	4	4
103	Genetic causes of preimplantation embryo developmental failure. <i>Molecular Reproduction and Development</i> , 2021 , 88, 338-348	2.6	4
102	Embryo morphokinetic score is associated with biomarkers of developmental competence and implantation. <i>Journal of Assisted Reproduction and Genetics</i> , 2021 , 38, 1737-1743	3.4	1
101	The slippery slope antedating syngamy: pronuclear activity in preparation for the first cleavage. <i>Journal of Assisted Reproduction and Genetics</i> , 2021 , 38, 1721-1723	3.4	2
100	Plasticity of the human preimplantation embryo: developmental dogmas, variations on themes and self-correction. <i>Human Reproduction Update</i> , 2021 , 27, 848-865	15.8	7
99	The subcortical maternal complex: emerging roles and novel perspectives. <i>Molecular Human Reproduction</i> , 2021 , 27,	4.4	6
98	The Association of Kinetic Variables with Blastocyst Development and Ploidy Status.. <i>Journal of Reproduction and Infertility</i> , 2021 , 22, 159-164	1.5	
97	Perturbations of morphogenesis at the compaction stage affect blastocyst implantation and live birth rates. <i>Human Reproduction</i> , 2021 , 36, 918-928	5.7	8
96	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> , 2021 , 116, 766-773	4.8	3
95	Sperm count affects cumulative birth rate of assisted reproduction cycles in relation to ovarian response. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 1653-1659	3.4	7
94	DNA Fragmentation in Viable and Non-Viable Spermatozoa Discriminates Fertile and Subfertile Subjects with Similar Accuracy. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	2
93	Type of protein supplement in cryopreservation solutions impacts on the degree of ultrastructural damage in frozen-thawed human oocytes. <i>Cryobiology</i> , 2020 , 95, 143-150	2.7	3

92	Alternative patterns of partial embryo compaction: prevalence, morphokinetic history and possible implications. <i>Reproductive BioMedicine Online</i> , 2020 , 40, 347-354	4	7
91	The enigmatic morula: mechanisms of development, cell fate determination, self-correction and implications for ART. <i>Human Reproduction Update</i> , 2019 , 25, 422-438	15.8	30
90	EUropean REcommendations for female FERtility preservation (EU-REFER): A joint collaboration between oncologists and fertility specialists. <i>Critical Reviews in Oncology/Hematology</i> , 2019 , 138, 233-240	7	28
89	Effect on Sperm DNA Quality Following Sperm Selection for ART: New Insights. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1166, 169-187	3.6	5
88	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> , 2019 , 36, 2047-2055	3.4	11
87	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> , 2019 , 212, 206-214	4.4	21
86	Embryo morphokinetic characteristics and euploidy. <i>Current Opinion in Obstetrics and Gynecology</i> , 2018 , 30, 185-196	2.4	11
85	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> , 2018 , 24, 521-532	4.4	10
84	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> , 2018 , 110, 703-709	4.8	21
83	Analysis of implantation and ongoing pregnancy rates following the transfer of mosaic diploid-aneuploid blastocysts. <i>Human Genetics</i> , 2017 , 136, 805-819	6.3	125
82	Sperm DNA fragmentation testing in male infertility work-up: are we ready?. <i>Translational Andrology and Urology</i> , 2017 , 6, S580-S582	2.3	6
81	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> , 2017 , 108, 62-71.e8	4.8	157
80	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> , 2016 , 95, e3624	1.8	49
79	ART results with frozen oocytes: data from the Italian ART registry (2005-2013). <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 123-8	3.4	24
78	Freeze/thaw stress induces organelle remodeling and membrane recycling in cryopreserved human mature oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 1559-1570	3.4	21
77	A quantitative approach to blastocyst quality evaluation: morphometric analysis and related IVF outcomes. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 705-12	3.4	20
76	Embryonic stem cells derived from in vivo or in vitro-generated murine blastocysts display similar transcriptome and differentiation potential. <i>PLoS ONE</i> , 2015 , 10, e0117422	3.7	2
75	A new approach to evaluate aging effects on human oocytes: Fourier transform infrared imaging spectroscopy study. <i>Fertility and Sterility</i> , 2014 , 101, 120-7	4.8	18

74	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> , 2014 , 31, 1045-51	3.4	30
73	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> , 2014 , 12, 110	5	31
72	A novel in vitro sperm head decondensation protocol for rapid flow cytometric measurement of deoxyribonucleic acid content. <i>Fertility and Sterility</i> , 2013 , 99, 1857-61	4.8	2
71	Interplay between autophagy and apoptosis in the development of Danio rerio follicles and the effects of a probiotic. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 1115-25	1.8	43
70	Oocyte Cryopreservation 2013 , 111-132		
69	Probiotics can induce follicle maturational competence: the Danio rerio case. <i>Biology of Reproduction</i> , 2012 , 86, 65	3.9	54
68	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> , 2012 , 97, 1101-7	4.8	38
67	Fertility Preservation Methods in Breast Cancer. <i>Breast Care</i> , 2012 , 7, 197-202	2.4	7
66	Human Sperm Cryopreservation: Update on Techniques, Effect on DNA Integrity, and Implications for ART. <i>Advances in Urology</i> , 2012 , 2012, 854837	1.6	159
65	Fertility preservation in women after the cancer. <i>Current Pharmaceutical Design</i> , 2012 , 18, 293-302	3.3	3
64	Oocyte Cryopreservation 2012 , 89-105		
63	The human oocyte: Controlled rate cooling 2012 , 275-284		
62	Oocyte donation programs: strategy for improving results. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1221, 27-31	6.5	9
61	The artificial womb. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1221, 124-8	6.5	23
60	Cryopreservation of mature and immature oocytes. <i>Clinical Obstetrics and Gynecology</i> , 2010 , 53, 763-74	1.7	25
59	Comparative analysis of the metaphase II spindle of human oocytes through polarized light and high-performance confocal microscopy. <i>Fertility and Sterility</i> , 2010 , 93, 2056-64	4.8	49
58	Vaginal parturition decreases recurrence of endometriosis. <i>Fertility and Sterility</i> , 2010 , 94, 850-5	4.8	12
57	Multicenter observational study on slow-cooling oocyte cryopreservation: clinical outcome. <i>Fertility and Sterility</i> , 2010 , 94, 1662-8	4.8	67

56	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> , 2010 , 27, 131-40	3.4	35
55	Endometriosis and infertility. <i>Journal of Assisted Reproduction and Genetics</i> , 2010 , 27, 441-7	3.4	299
54	Meiotic spindle dynamics in human oocytes following slow-cooling cryopreservation. <i>Human Reproduction</i> , 2009 , 24, 2114-23	5.7	87
53	The efficacy and safety of human oocyte cryopreservation by slow cooling. <i>Seminars in Reproductive Medicine</i> , 2009 , 27, 443-9	1.4	18
52	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> , 2009 , 92, 1747.e1-3	4.8	8
51	A PolScope evaluation of meiotic spindle dynamics in frozen-thawed oocytes. <i>Reproductive BioMedicine Online</i> , 2009 , 19, 191-7	4	17
50	Comparison of IVF and ICSI when only few oocytes are available for insemination. <i>Reproductive BioMedicine Online</i> , 2009 , 19, 270-5	4	10
49	Anomalies in sperm chromatin packaging: implications for assisted reproduction techniques. <i>Reproductive BioMedicine Online</i> , 2009 , 18, 486-95	4	60
48	Sperm-hyaluronan-binding assay: clinical value in conventional IVF under Italian law. <i>Reproductive BioMedicine Online</i> , 2009 , 19 Suppl 3, 35-43	4	39
47	Impact of intracytoplasmic morphologically selected sperm injection on assisted reproduction outcome: a review. <i>Reproductive BioMedicine Online</i> , 2009 , 19 Suppl 3, 45-55	4	62
46	Effect of piroxicam administration before embryo transfer on IVF outcome: a randomized controlled trial. <i>Reproductive BioMedicine Online</i> , 2009 , 19, 604-9	4	12
45	Success Rates from Oocyte Cryopreservation. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , 2009 , 235-245		2
44	Ultrastructure of human mature oocytes after slow cooling cryopreservation with ethylene glycol. <i>Reproductive BioMedicine Online</i> , 2008 , 17, 368-77	4	48
43	Vaginal gel versus intramuscular progesterone for luteal phase supplementation: a prospective randomized trial. <i>Reproductive BioMedicine Online</i> , 2008 , 16, 361-7	4	35
42	A putative mitotic checkpoint dependent on mTOR function controls cell proliferation and survival in ovarian granulosa cells. <i>Reproductive Sciences</i> , 2008 , 15, 128-38	3	63
41	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> , 2008 , 93, 4924-32	5.6	26
40	Clinical efficiency of oocyte and embryo cryopreservation. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1127, 49-58	6.5	49
39	The human oocyte 2008 , 255-266		

38	Objective evaluation of the viability of cryopreserved oocytes. <i>Reproductive BioMedicine Online</i> , 2007 , 15, 338-45	4	38
37	Clinical relevance of sperm DNA damage in assisted reproduction. <i>Reproductive BioMedicine Online</i> , 2007 , 14, 746-57	4	124
36	Evidence-based clinical outcome of oocyte slow cooling. <i>Reproductive BioMedicine Online</i> , 2007 , 15, 175-81	4	74
35	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> , 2007 , 14, 64-71	4	121
34	Permeability of human oocytes to ethylene glycol and their survival and spindle configurations after slow cooling cryopreservation. <i>Human Reproduction</i> , 2007 , 22, 2776-83	5-7	51
33	Ultrastructure of human mature oocytes after slow cooling cryopreservation using different sucrose concentrations. <i>Human Reproduction</i> , 2007 , 22, 1123-33	5-7	92
32	Sucrose concentration influences the rate of human oocytes with normal spindle and chromosome configurations after slow-cooling cryopreservation. <i>Human Reproduction</i> , 2006 , 21, 1771-6	5-7	90
31	Sperm DNA fragmentation: paternal effect on early post-implantation embryo development in ART. <i>Human Reproduction</i> , 2006 , 21, 2876-81	5-7	362
30	Cumulative pregnancy rates resulting from the use of fresh and frozen oocytes: 7 yearsR experience. <i>Reproductive BioMedicine Online</i> , 2006 , 12, 481-6	4	97
29	Best protocol for frozen-thawed embryo transfer-cost benefit analysis needed. <i>Fertility and Sterility</i> , 2006 , 86, 1554-5; author reply 1555-6	4.8	11
28	Clinical outcome of oocyte cryopreservation after slow cooling with a protocol utilizing a high sucrose concentration. <i>Human Reproduction</i> , 2006 , 21, 512-7	5-7	190
27	Meiotic spindle imaging in human oocytes frozen with a slow freezing procedure involving high sucrose concentration. <i>Human Reproduction</i> , 2005 , 20, 1078-83	5-7	109
26	Tailoring FSH and LH administration to individual patients. <i>Reproductive BioMedicine Online</i> , 2005 , 11, 283-93	4	11
25	Criteria to assess human oocyte quality after cryopreservation. <i>Reproductive BioMedicine Online</i> , 2005 , 11, 421-7	4	46
24	Live birth after IVF in a 46-year-old woman. <i>Reproductive BioMedicine Online</i> , 2005 , 11, 452-4	4	12
23	Polar body morphology and spindle imaging as predictors of oocyte quality. <i>Reproductive BioMedicine Online</i> , 2005 , 11, 36-42	4	138
22	Predictive factors for embryo implantation potential. <i>Reproductive BioMedicine Online</i> , 2005 , 10, 653-68	4	76
21	Use of antagonists in ovarian stimulation protocols. <i>Reproductive BioMedicine Online</i> , 2005 , 10, 330-8	4	20

20	Volume changes of mature human oocytes on exposure to cryoprotectant solutions used in slow cooling procedures. <i>Human Reproduction</i> , 2005 , 20, 1194-9	5.7	56
19	Half-dose depot triptorelin in pituitary suppression for multiple ovarian stimulation in assisted reproduction technology: a randomized study. <i>Human Reproduction</i> , 2004 , 19, 2200-5	5.7	32
18	What criteria for the definition of oocyte quality?. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1034, 132-44	6.5	123
17	Artificial reproductive technology achievements for optimizing embryo quality. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1034, 252-61	6.5	10
16	Perifollicular vascularity monitoring and scoring: a clinical tool for selecting the best oocyte. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2004 , 115 Suppl 1, S102-5	2.4	17
15	Colour power Doppler in infertility and ART. <i>Reviews in Gynaecological Practice</i> , 2004 , 4, 230-234		6
14	Influence of thyroid hormone on mouse preantral follicle development in vitro. <i>Fertility and Sterility</i> , 2004 , 81 Suppl 1, 919-24	4.8	20
13	Pregnancies and births after oocyte cryopreservation. <i>Fertility and Sterility</i> , 2004 , 82, 601-5	4.8	175
12	Oocyte freezing: a positive comment based on our experience. <i>Reproductive BioMedicine Online</i> , 2003 , 7, 120	4	6
11	Endometrial preparation for frozen-thawed embryo transfer with or without pretreatment with gonadotropin-releasing hormone agonist. <i>Fertility and Sterility</i> , 2002 , 77, 956-60	4.8	92
10	Testicular fine needle aspiration in non-obstructive azoospermia: our results. <i>Fertility and Sterility</i> , 2002 , 78, S209	4.8	4
9	Perifollicular vascularity and its relationship with oocyte maturity and IVF outcome. <i>Annals of the New York Academy of Sciences</i> , 2001 , 943, 64-7	6.5	42
8	Use of recombinant leukemia inhibitory factor in embryo implantation. <i>Annals of the New York Academy of Sciences</i> , 1997 , 828, 157-61	6.5	11
7	Laparoscopic surgery and assisted reproductive techniques. Combined strategies of therapy in infertile women. <i>Annals of the New York Academy of Sciences</i> , 1997 , 828, 316-25	6.5	3
6	Oocyte donation program: pregnancy and implantation rates in women of different ages sharing oocytes from single donor. <i>Fertility and Sterility</i> , 1996 , 65, 94-7	4.8	64
5	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> , 1995 , 63, 258-261	4.8	57
4	Influence of spermatozoa characteristics on gamete intra-fallopian transfer procedures: analysis of results obtained utilizing normozoospermic, oligoasthenozoospermic and donor spermatozoa. <i>Human Reproduction</i> , 1993 , 8, 2098-101	5.7	1
3	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> , 1993 , 10, 266-70	3.4	

2 Oocyte cryopreservation 283-292

1 Cryopreservation of oocytes by slow cooling 120-130