

# Giovanni Coticchio

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7964130/giovanni-coticchio-publications-by-year.pdf>

**Version:** 2024-04-26

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.

102  
papers

4,154  
citations

38  
h-index

63  
g-index

121  
ext. papers

4,753  
ext. citations

3.8  
avg, IF

5.17  
L-index

#	Paper	IF	Citations
102	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
101	Oocyte aging: looking beyond chromosome segregation errors.. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2022</b> , 1	3.4	0
100	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
99	Use of mineral oil in IVF culture systems: physico-chemical aspects, management, and safety.. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2022</b> , 39, 883	3.4	
98	Spatiotemporal perturbations of pronuclear breakdown preceding syngamy affect early human embryo development: a retrospective observational study. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2021</b> , 39, 75	3.4	0
97	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
96	Genetic causes of preimplantation embryo developmental failure. <i>Molecular Reproduction and Development</i> , <b>2021</b> , 88, 338-348	2.6	4
95	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
94	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
93	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
92	The subcortical maternal complex: emerging roles and novel perspectives. <i>Molecular Human Reproduction</i> , <b>2021</b> , 27,	4.4	6
91	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	
90	Fertility technologies and how to optimize laboratory performance to support the shortening of time to birth of a healthy singleton: a Delphi consensus. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2021</b> , 38, 1021-1043	3.4	2
89	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
88	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
87	ESHRE PGT Consortium and SIG Embryology good practice recommendations for polar body and embryo biopsy for PGT. <i>Human Reproduction Open</i> , <b>2020</b> , 2020, hoaa020	6.1	26
86	Good practice recommendations for the use of time-lapse technology. <i>Human Reproduction Open</i> , <b>2020</b> , 2020, hoaa008	6.1	40

85	Cytoplasmic halo characteristics during fertilization and their implications for human preimplantation embryo development and pregnancy outcome. <i>Reproductive BioMedicine Online</i> , <b>2020</b> , 41, 191-202	4	8
84	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
83	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
82	Thyroid hormones T3 and T4 regulate human luteinized granulosa cells, counteracting apoptosis and promoting cell survival. <i>Journal of Endocrinological Investigation</i> , <b>2020</b> , 43, 821-831	5.2	6
81	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
80	Slow Freezing of Oocytes <b>2019</b> , 655-664		
79	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
78	Focused time-lapse analysis reveals novel aspects of human fertilization and suggests new parameters of embryo viability. <i>Human Reproduction</i> , <b>2018</b> , 33, 23-31	5.7	54
77	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
76	Characterization of the miRNA regulators of the human ovulatory cascade. <i>Scientific Reports</i> , <b>2018</b> , 8, 15605	4.9	14
75	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
74	Dysmorphic patterns are associated with cytoskeletal alterations in human oocytes. <i>Human Reproduction</i> , <b>2017</b> , 32, 750-757	5.7	11
73	Differential regulation of cumulus cell transcription during oocyte maturation in vivo and in vitro. <i>International Journal of Developmental Biology</i> , <b>2017</b> , 61, 433-437	1.9	5
72	Retrospective analysis of treatments with recombinant FSH and recombinant LH versus human menopausal gonadotropin in women with reduced ovarian reserve. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2017</b> , 34, 1645-1651	3.4	7
71	Morphokinetics of embryos developed from oocytes matured in vitro. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2016</b> , 33, 247-53	3.4	11
70	Revised guidelines for good practice in IVF laboratories (2015). <i>Human Reproduction</i> , <b>2016</b> , 31, 685-6	5.7	112
69	Ultrastructure of human oocytes after in vitro maturation. <i>Molecular Human Reproduction</i> , <b>2016</b> , 22, 110-114	4.4	31
68	IVM in need of clear definitions. <i>Human Reproduction</i> , <b>2016</b> , 31, 1387-9	5.7	17

67	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
66	Clinical outcomes from mature oocytes derived from preovulatory and antral follicles: reflections on follicle physiology and oocyte competence. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 255-61	3.4	13
65	Oocyte maturation: gamete-somatic cells interactions, meiotic resumption, cytoskeletal dynamics and cytoplasmic reorganization. <i>Human Reproduction Update</i> , <b>2015</b> , 21, 427-54	15.8	224
64	Double-strand DNA breaks and repair response in human immature oocytes and their relevance to meiotic resumption. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 1509-16	3.4	10
63	Natriuretic peptide precursor C delays meiotic resumption and sustains gap junction-mediated communication in bovine cumulus-enclosed oocytes. <i>Biology of Reproduction</i> , <b>2014</b> , 91, 61	3.9	78
62	Characterization of the human cumulus cell transcriptome during final follicular maturation and ovulation. <i>Molecular Human Reproduction</i> , <b>2014</b> , 20, 719-35	4.4	48
61	Contributions of the actin cytoskeleton to the emergence of polarity during maturation in human oocytes. <i>Molecular Human Reproduction</i> , <b>2014</b> , 20, 200-7	4.4	22
60	The current challenges to efficient immature oocyte cryopreservation. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2013</b> , 30, 1531-9	3.4	54
59	Efficacy of luteal phase support with GnRH agonists: a preliminary comparative study. <i>Fertility and Sterility</i> , <b>2013</b> , 100, S299	4.8	3
58	Polarization microscopy and rescue ICSI. <i>Reproductive BioMedicine Online</i> , <b>2013</b> , 26, 222-3; discussion 224-5	4	5
57	Oocyte in vitro maturation in normo-ovulatory women. <i>Fertility and Sterility</i> , <b>2013</b> , 99, 1162-9	4.8	49
56	Mechanistic foundations of the metaphase II spindle of human oocytes matured in vivo and in vitro. <i>Human Reproduction</i> , <b>2013</b> , 28, 3271-82	5.7	40
55	The Choreography of Fertilization <b>2013</b> , 289-306		2
54	Slow Freezing of Oocytes <b>2013</b> , 467-476		
53	Cleavage kinetics analysis of human embryos predicts development to blastocyst and implantation. <i>Reproductive BioMedicine Online</i> , <b>2012</b> , 25, 474-80	4	166
52	Embryo transfer following in vitro maturation and cryopreservation of oocytes recovered from antral follicles during conservative surgery for ovarian cancer. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2012</b> , 29, 779-81	3.4	35
51	Human oocyte maturation in vitro. <i>International Journal of Developmental Biology</i> , <b>2012</b> , 56, 909-18	1.9	50
50	Cumulus cell-oocyte complexes retrieved from antral follicles in IVF cycles: relationship between COCs morphology, gonadotropin priming and clinical outcome. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2012</b> , 29, 513-9	3.4	29

49	Comparison of the obstetric and perinatal outcomes of children conceived from in vitro or in vivo matured oocytes in in vitro maturation treatments with births from conventional ICSI cycles. <i>Human Reproduction</i> , <b>2012</b> , 27, 3601-8	5.7	64
48	Slow Freezing of Oocytes <b>2012</b> , 509-515		1
47	Outcome of cycles of oocyte in vitro maturation requiring testicular sperm extraction for nonobstructive azoospermia. <i>Fertility and Sterility</i> , <b>2011</b> , 96, 321-3	4.8	9
46	Theoretical and experimental basis of slow freezing. <i>Reproductive BioMedicine Online</i> , <b>2011</b> , 22, 125-32	4	14
45	Reprint of: Theoretical and experimental basis of slow freezing. <i>Reproductive BioMedicine Online</i> , <b>2011</b> , 23, 290-7	4	3
44	Anti-mullerian hormone as a predictive marker for the selection of women for oocyte in vitro maturation treatment. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2011</b> , 28, 501-8	3.4	26
43	POSTER VIEWING SESSION - EMBRYOLOGY. <i>Human Reproduction</i> , <b>2011</b> , 26, i160-i202	5.7	3
42	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
41	Multicenter observational study on slow-cooling oocyte cryopreservation: clinical outcome. <i>Fertility and Sterility</i> , <b>2010</b> , 94, 1662-8	4.8	67
40	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
39	Meiotic spindle dynamics in human oocytes following slow-cooling cryopreservation. <i>Human Reproduction</i> , <b>2009</b> , 24, 2114-23	5.7	87
38	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
37	A PolScope evaluation of meiotic spindle dynamics in frozen-thawed oocytes. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 19, 191-7	4	17
36	Anomalies in sperm chromatin packaging: implications for assisted reproduction techniques. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 18, 486-95	4	60
35	Ultrastructural markers of quality in human mature oocytes vitrified using cryoleaf and cryoloop. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 19 Suppl 3, 17-27	4	67
34	Vitrification may increase the rate of chromosome misalignment in the metaphase II spindle of human mature oocytes. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 19 Suppl 3, 29-34	4	73
33	Cryopreservation and the Cytoskeleton of the Human Oocyte. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , <b>2009</b> , 162-173		
32	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

31	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
30	The histidinol phosphate phosphatase involved in histidine biosynthetic pathway is encoded by SCO5208 (hisN) in <i>Streptomyces coelicolor</i> A3(2). <i>Current Microbiology</i> , <b>2008</b> , 56, 6-13	2.4	9
29	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
28	The human oocyte <b>2008</b> , 255-266		
27	Objective evaluation of the viability of cryopreserved oocytes. <i>Reproductive BioMedicine Online</i> , <b>2007</b> , 15, 338-45	4	38
26	Truths and myths of oocyte sensitivity to controlled rate freezing. <i>Reproductive BioMedicine Online</i> , <b>2007</b> , 15, 24-30	4	38
25	Evidence-based clinical outcome of oocyte slow cooling. <i>Reproductive BioMedicine Online</i> , <b>2007</b> , 15, 175-81	4	74
24	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
23	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
22	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
21	Fertilization and early developmental ability of cryopreserved human oocytes is not affected compared to sibling fresh oocytes. <i>Fertility and Sterility</i> , <b>2007</b> , 88, S340	4.8	6
20	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
19	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
18	Cumulative pregnancy rates resulting from the use of fresh and frozen oocytes: 7 yearsS experience. <i>Reproductive BioMedicine Online</i> , <b>2006</b> , 12, 481-6	4	97
17	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
16	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
15	Criteria to assess human oocyte quality after cryopreservation. <i>Reproductive BioMedicine Online</i> , <b>2005</b> , 11, 421-7	4	46
14	Polar body morphology and spindle imaging as predictors of oocyte quality. <i>Reproductive BioMedicine Online</i> , <b>2005</b> , 11, 36-42	4	138

13	Predictive factors for embryo implantation potential. <i>Reproductive BioMedicine Online</i> , <b>2005</b> , 10, 653-68	4	76
12	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
11	Mouse oocyte meiotic resumption and polar body extrusion in vitro are differentially influenced by FSH, epidermal growth factor and meiosis-activating sterol. <i>Human Reproduction</i> , <b>2004</b> , 19, 2913-8	5.7	24
10	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
9	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
8	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
7	Oocyte cryopreservation: a biological perspective. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2004</b> , 115 Suppl 1, S2-7	2.4	43
6	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
5	Pregnancies and births after oocyte cryopreservation. <i>Fertility and Sterility</i> , <b>2004</b> , 82, 601-5	4.8	175
4	Oocyte freezing: a positive comment based on our experience. <i>Reproductive BioMedicine Online</i> , <b>2003</b> , 7, 120	4	6
3	Cryopreservation of human oocytes. <i>Human Fertility</i> , <b>2001</b> , 4, 152-7	1.9	11
2	Inhibition of phosphoinositide metabolism or chelation of intracellular calcium blocks FSH-induced but not spontaneous meiotic resumption in mouse oocytes. <i>Developmental Biology</i> , <b>1998</b> , 203, 201-9	3.1	58
1	Cryopreservation of oocytes by slow cooling	120-130	