

Luca Gianaroli

List of Publications by Year in descending order

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109
papers

8,473
citations

43973

48
h-index

48187

88
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112
all docs

112
docs citations

112
times ranked

4446
citing authors

#	ARTICLE	IF	CITATIONS
1	The ESHRE/ESGE consensus on the classification of female genital tract congenital anomalies. Human Reproduction, 2013, 28, 2032-2044.	0.4	588
2	Birth following vitrification of a small number of human oocytes: Case Report. Human Reproduction, 1999, 14, 3077-3079.	0.4	511
3	Preimplantation diagnosis for aneuploidies in patients undergoing in vitro fertilization with a poor prognosis: identification of the categories for which it should be proposed. Fertility and Sterility, 1999, 72, 837-844.	0.5	439
4	Positive outcome after preimplantation diagnosis of aneuploidy in human embryos *. Human Reproduction, 1999, 14, 2191-2199.	0.4	391
5	Outcome of preimplantation genetic diagnosis of translocations. Fertility and Sterility, 2000, 73, 1209-1218.	0.5	278
6	Embryo morphology and development are dependent on the chromosomal complement. Fertility and Sterility, 2007, 87, 534-541.	0.5	238
7	Preimplantation diagnosis of the aneuploidies most commonly found in spontaneous abortions and live births: XY, 13, 14, 15, 16, 18, 21, 22. , 1998, 18, 1459-1466.		212
8	The Thessaloniki ESHRE/ESGE consensus on diagnosis of female genital anomalies. Human Reproduction, 2016, 31, 2-7.	0.4	210
9	Over a decade of experience with preimplantation genetic diagnosis: A multicenter report. Fertility and Sterility, 2004, 82, 292-294.	0.5	204
10	Polar body array CGH for prediction of the status of the corresponding oocyte. Part I: clinical results. Human Reproduction, 2011, 26, 3173-3180.	0.4	179
11	Preimplantation genetic diagnosis increases the implantation rate in human in vitro fertilization by avoiding the transfer of chromosomally abnormal embryos. Fertility and Sterility, 1997, 68, 1128-1131.	0.5	175
12	The ESHRE/ESGE consensus on the classification of female genital tract congenital anomalies. Gynecological Surgery, 2013, 10, 199-212.	0.9	174
13	Multiple meiotic errors caused by predivision of chromatids in women of advanced maternal age undergoing in vitro fertilisation. European Journal of Human Genetics, 2012, 20, 742-747.	1.4	155
14	Exogenous luteinizing hormone in controlled ovarian hyperstimulation for assisted reproduction techniques. Fertility and Sterility, 2004, 82, 1521-1526.	0.5	154
15	Cinnocicam and L-Carnitine/Acetyl-L-Carnitine Treatment for Idiopathic and Varicocele-Associated Oligoasthenospermia. Journal of Andrology, 2004, 25, 761-770.	2.0	152
16	Infertility therapy-associated multiple pregnancies (births): an ongoing epidemic. Reproductive BioMedicine Online, 2003, 7, 515-542.	1.1	149
17	The new Italian IVF legislation. Reproductive BioMedicine Online, 2004, 9, 117-125.	1.1	143
18	Hysteroscopy in recurrent in-vitro fertilisation failure (TROPHY): a multicentre, randomised controlled trial. Lancet, The, 2016, 387, 2614-2621.	6.3	141

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19	The interface between assisted reproductive technologies and genetics: technical, social, ethical and legal issues. <i>European Journal of Human Genetics</i> , 2006, 14, 588-645.	1.4	137
20	Pronuclear morphology and chromosomal abnormalities as scoring criteria for embryo selection. <i>Fertility and Sterility</i> , 2003, 80, 341-349.	0.5	135
21	Polar body array CGH for prediction of the status of the corresponding oocyte. Part II: technical aspects. <i>Human Reproduction</i> , 2011, 26, 3181-3185.	0.4	130
22	Guidelines for the appropriate use of genetic tests in infertile couples. <i>European Journal of Human Genetics</i> , 2002, 10, 303-312.	1.4	129
23	Revised guidelines for good practice in IVF laboratories. <i>Human Reproduction</i> , 2008, 23, 1253-1262.	0.4	129
24	Current issues in medically assisted reproduction and genetics in Europe: research, clinical practice, ethics, legal issues and policy. <i>European Journal of Human Genetics</i> , 2013, 21, S1-S21.	1.4	120
25	Gene expression profiling of human oocytes following in vivo or in vitro maturation. <i>Human Reproduction</i> , 2008, 23, 1138-1144.	0.4	119
26	Blastocentesis: a source of DNA for preimplantation genetic testing. Results from a pilot study. <i>Fertility and Sterility</i> , 2014, 102, 1692-1699.e6.	0.5	113
27	Preimplantation genetic testing for aneuploidy by microarray analysis of polar bodies in advanced maternal age: a randomized clinical trial. <i>Human Reproduction</i> , 2018, 33, 1767-1776.	0.4	113
28	The beneficial effects of preimplantation genetic diagnosis for aneuploidy support extensive clinical application. <i>Reproductive BioMedicine Online</i> , 2005, 10, 633-640.	1.1	109
29	Substandard application of preimplantation genetic screening may interfere with its clinical success. <i>Fertility and Sterility</i> , 2007, 88, 781-784.	0.5	104
30	Birefringence characteristics in sperm heads allow for the selection of reacted spermatozoa for intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2010, 93, 807-813.	0.5	104
31	High endometrial aromatase P450 mRNA expression is associated with poor IVF outcome. <i>Human Reproduction</i> , 2004, 19, 352-356.	0.4	102
32	The Thessaloniki ESHRE/ESGE consensus on diagnosis of female genital anomalies. <i>Gynecological Surgery</i> , 2016, 13, 1-16.	0.9	102
33	Increased rate of aneuploid embryos in young women with previous aneuploid conceptions. <i>Prenatal Diagnosis</i> , 2004, 24, 638-643.	1.1	101
34	What next for preimplantation genetic screening? A polar body approach!. <i>Human Reproduction</i> , 2010, 25, 575-577.	0.4	99
35	Frequency of aneuploidy in sperm from patients with extremely severe male factor infertility. <i>Human Reproduction</i> , 2005, 20, 2140-2152.	0.4	98
36	Cross-border reproductive care: a phenomenon expressing the controversial aspects of reproductive technologies. <i>Reproductive BioMedicine Online</i> , 2010, 20, 261-266.	1.1	95

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37	Sperm head's birefringence: a new criterion for sperm selection. <i>Fertility and Sterility</i> , 2008, 90, 104-112.	0.5	88
38	The in vivo and in vitro efficiency and efficacy of PGD for aneuploidy. <i>Molecular and Cellular Endocrinology</i> , 2001, 183, S13-S18.	1.6	84
39	Preimplantation genetic testing: polar bodies, blastomeres, trophoctoderm cells, or blastocoelic fluid?. <i>Fertility and Sterility</i> , 2016, 105, 676-683.e5.	0.5	77
40	The role of preimplantation diagnosis for aneuploidies. <i>Reproductive BioMedicine Online</i> , 2002, 4, 31-36.	1.1	69
41	The combination of polar body and embryo biopsy does not affect embryo viability. <i>Human Reproduction</i> , 2004, 19, 1163-1169.	0.4	67
42	First meiosis errors in immature oocytes generated by stimulated cycles. <i>Fertility and Sterility</i> , 2006, 86, 629-635.	0.5	66
43	DNA integrity is maintained after freeze-drying of human spermatozoa. <i>Fertility and Sterility</i> , 2012, 97, 1067-1073.e1.	0.5	60
44	Current issues in medically assisted reproduction and genetics in Europe: research, clinical practice, ethics, legal issues and policy. <i>Human Reproduction</i> , 2014, 29, 1603-1609.	0.4	57
45	Effect of inner myometrium fibroid on reproductive outcome after IVF. <i>Reproductive BioMedicine Online</i> , 2005, 10, 473-477.	1.1	56
46	Early human pregnancy in vitro utilizing an artificially perfused uterus. <i>Fertility and Sterility</i> , 1988, 49, 991-996.	0.5	53
47	Sperm and Blastomere Aneuploidy Detection in Reproductive Genetics and Medicine. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 261-267.	1.3	53
48	Fertilization current in the human oocyte. <i>Molecular Reproduction and Development</i> , 1994, 38, 209-214.	1.0	50
49	Relationship of timing of agonist administration in the cycle phase to the ovarian response to gonadotropins in the long down-regulation protocols for assisted reproductive technologies. <i>Fertility and Sterility</i> , 1996, 65, 114-121.	0.5	48
50	The successful use of human amniotic fluid for mouse embryo culture and human in vitro fertilization, embryo culture, and transfer. <i>Fertility and Sterility</i> , 1986, 46, 907-913.	0.5	47
51	Oestradiol enhances in vitro the histamine release induced by embryonic histamine-releasing factor (EHRF) from uterine mast cells. <i>Human Reproduction</i> , 1992, 7, 1036-1041.	0.4	47
52	Subzonal sperm microinjection in cases of severe male factor infertility and repeated in vitro fertilization failure**Supported in part by funds from the National Health and Medical Research Council of Australia, Melbourne, Victoria, Australia, as a project grant to Alan Trounson, Ph.D.. <i>Fertility and Sterility</i> , 1992, 57, 1279-1288.	0.5	46
53	Assisted reproduction and COVID-19: A joint statement of ASRM, ESHRE and IFFS. <i>Fertility and Sterility</i> , 2020, 114, 484-485.	0.5	46
54	Advantages of day 4 embryo transfer in patients undergoing preimplantation genetic diagnosis of aneuploidy. <i>Journal of Assisted Reproduction and Genetics</i> , 1999, 16, 170-175.	1.2	45

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55	Cryopreservation of biopsied embryos at the blastocyst stage. <i>Human Reproduction</i> , 2006, 21, 2656-2660.	0.4	40
56	Deoxyribonucleic acid detection in blastocoelic fluid: a new predictor of embryo ploidy and viable pregnancy. <i>Fertility and Sterility</i> , 2019, 111, 77-85.	0.5	40
57	Transvaginal ovarian drilling: A new surgical treatment for improving the clinical outcome of assisted reproductive technologies in patients with polycystic ovary syndrome. <i>Fertility and Sterility</i> , 2001, 76, 812-816.	0.5	39
58	Impact of oocyte cryopreservation on embryo development. <i>Fertility and Sterility</i> , 2010, 93, 510-516.	0.5	38
59	Assisted reproduction and COVID-19: a joint statement of ASRM, ESHRE and IFFS. <i>Human Reproduction Open</i> , 2020, 2020, hoaa033.	2.3	38
60	Head birefringence properties are associated with acrosome reaction, sperm motility and morphology. <i>Reproductive BioMedicine Online</i> , 2012, 24, 352-359.	1.1	35
61	Mild ovarian stimulation with clomiphene citrate launch is a realistic option for in vitro fertilization. <i>Fertility and Sterility</i> , 2015, 104, 333-338.	0.5	35
62	Preimplantation diagnosis after assisted reproduction techniques for genetically-determined male infertility. <i>Journal of Endocrinological Investigation</i> , 2000, 23, 711-716.	1.8	33
63	No clinical relevance of the height of fundal indentation in subseptate or arcuate uterus: a prospective study. <i>Reproductive BioMedicine Online</i> , 2012, 24, 576-582.	1.1	32
64	Preimplantation genetic diagnosis (PGD), a collaborative activity of clinical genetic departments and IVF centres. <i>Prenatal Diagnosis</i> , 2001, 21, 1086-1092.	1.1	31
65	Identification of Displaced Endometrial Glands and Embryonic Duct Remnants in Female Fetal Reproductive Tract: Possible Pathogenetic Role in Endometriotic and Pelvic Neoplastic Processes. <i>Frontiers in Physiology</i> , 2012, 3, 444.	1.3	31
66	The Italian Constitutional Court modifies Italian legislation on assisted reproduction technology. <i>Reproductive BioMedicine Online</i> , 2010, 20, 398-402.	1.1	29
67	A picture of medically assisted reproduction activities during the COVID-19 pandemic in Europe. <i>Human Reproduction Open</i> , 2020, 2020, hoaa035.	2.3	27
68	A factor secreted by human embryo stimulates cytokine release by uterine mast cell. <i>Molecular Human Reproduction</i> , 1996, 2, 781-791.	1.3	25
69	Current regulatory arrangements for assisted conception treatment in European countries. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2016, 207, 211-213.	0.5	24
70	Intra-individual purifying selection on mitochondrial DNA variants during human oogenesis. <i>Human Reproduction</i> , 2017, 32, 1100-1107.	0.4	24
71	Semen donor recruitment in an oocyte donation programme. <i>Human Reproduction</i> , 2006, 21, 2482-2485.	0.4	20
72	Intra-age, intercenter, and intercycle differences in chromosome abnormalities in oocytes. <i>Fertility and Sterility</i> , 2012, 97, 935-942.	0.5	19

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73	Reiterative changes in the Italian regulation on IVF: the effect on PGD patients's reproductive decisions. <i>Reproductive BioMedicine Online</i> , 2014, 28, 125-132.	1.1	19
74	Endometriosis: A New Cellular and Molecular Genetic Approach for Understanding the Pathogenesis and Evolutivity. <i>Frontiers in Surgery</i> , 2014, 1, 16.	0.6	19
75	Possible role of endometriosis in the aetiology of spontaneous miscarriage in patients with septate uterus. <i>Reproductive BioMedicine Online</i> , 2010, 21, 581-585.	1.1	18
76	Reduction in sperm aneuploidy levels in severe oligoasthenoteratospermic patients after medical therapy: a preliminary report. <i>Asian Journal of Andrology</i> , 2012, 14, 591-598.	0.8	18
77	Italian Constitutional Court removes the prohibition on gamete donation in Italy. <i>Reproductive BioMedicine Online</i> , 2014, 29, 662-664.	1.1	18
78	A Study to Sustain the Hypothesis of the Multiple Genesis of Oligoasthenoteratospermia in Human Idiopathic Infertile Males. <i>Biology of Reproduction</i> , 2008, 79, 667-673.	1.2	16
79	Prolonged absence of meiotic spindles by birefringence imaging negatively affects normal fertilization and embryo development. <i>Reproductive BioMedicine Online</i> , 2011, 23, 747-754.	1.1	15
80	The number of spermatozoa collected with testicular sperm extraction is a novel predictor of intracytoplasmic sperm injection outcome in non-obstructive azoospermic patients. <i>Asian Journal of Andrology</i> , 2011, 13, 312-316.	0.8	15
81	The calm after the storm: re-starting ART treatments safely in the wake of the COVID-19 pandemic. <i>Human Reproduction</i> , 2021, 36, 275-282.	0.4	14
82	Five chromosome segregation in polar bodies and the corresponding oocyte. <i>Reproductive BioMedicine Online</i> , 2012, 24, 331-338.	1.1	13
83	Aneuploidies of chromosomes 1, 4, and 6 are not compatible with human embryos' implantation. <i>Fertility and Sterility</i> , 2010, 94, 2012-2016.	0.5	10
84	Septate uterus and reproductive outcomes: let's get serious about this. <i>Human Reproduction</i> , 2020, 35, 2627-2629.	0.4	10
85	Embryo selection and IVF. <i>Human Reproduction</i> , 2012, 27, 2876-2876.	0.4	8
86	Outcomes of SARS-CoV-2 infected pregnancies after medically assisted reproduction. <i>Human Reproduction</i> , 2021, 36, 2883-2890.	0.4	8
87	Impact of parental gonosomal mosaicism detected in peripheral blood on preimplantation embryos. <i>Reproductive BioMedicine Online</i> , 2002, 5, 306-312.	1.1	7
88	Factors affecting thawed oocyte viability suggest a customized policy of embryo transfer. <i>Fertility and Sterility</i> , 2010, 94, 1308-1313.	0.5	7
89	Mitogenomes of Polar Bodies and Corresponding Oocytes. <i>PLoS ONE</i> , 2014, 9, e102182.	1.1	7
90	Mitochondrial DNA analysis and numerical chromosome condition in human oocytes and polar bodies. <i>Molecular Human Reproduction</i> , 2015, 21, 46-57.	1.3	7

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91	Human amniotic fluid for fertilization and culture of human embryos: Results of clinical trials in human in vitro fertilization (IVF) programs. <i>Journal of in Vitro Fertilization and Embryo Transfer: IVF</i> , 1989, 6, 213-217.	0.8	5
92	Chromosome topology in normal and aneuploid blastomeres from human embryos. <i>Prenatal Diagnosis</i> , 2007, 27, 1091-1099.	1.1	5
93	Sperm chromosome abnormalities in patients with normal karyotype and in translocation carriers: clinical relevance for assisted reproductive technology. <i>Reproductive BioMedicine Online</i> , 2020, 41, 1055-1069.	1.1	4
94	Oocyte donation: not all oocyte cryobanks are the same. <i>Reproductive BioMedicine Online</i> , 2022, 44, 271-279.	1.1	4
95	Topology of Chromosomes 18 and X in Human Blastomeres from 3- to 4-Day-old Embryos. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 273-276.	1.3	3
96	The interface between medically assisted reproduction and genetics: technical, social, ethical and legal issues*. <i>ESHRE Monographs</i> , 2006, 2006, 2-51.	0.6	3
97	Chromosomal status of human embryos. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , 2007, , 209-234.	0.1	3
98	Lighting-Aware Segmentation of Microscopy Images for In Vitro Fertilization. <i>Lecture Notes in Computer Science</i> , 2009, , 576-585.	1.0	3
99	No need for luteal phase support in IVF cycles after mild stimulation: proof-of-concept study. <i>Reproductive BioMedicine Online</i> , 2017, 34, 162-165.	1.1	2
100	IVF Lite: a smart IVF programme based on mild ovarian stimulation for good prognosis patients. <i>Reproductive BioMedicine Online</i> , 2022, 45, 256-263.	1.1	2
101	Blastocoel Fluid Biopsy. <i>Fertility & Reproduction</i> , 2019, 01, 17-20.	0.0	1
102	Regulating in vitro fertilization “the risks of over-regulation. , 2005, , 655-659.		1
103	Answers to Fertility Request. , 2015, , 345-349.		1
104	PGD for Chromosomal Anomalies. , 0, , 643-656.		0
105	Polar body screening for aneuploidy in human oocytes. , 0, , 409-419.		0
106	Low cost IVF. , 0, , 245-257.		0
107	Reply: Purifying selection on mitochondrial DNA: a strategy for the oocyte to preserve competence. <i>Human Reproduction</i> , 2017, 32, 1949-1950.	0.4	0
108	The Development of In-Vitro Fertilization in Italy. , 0, , 104-110.		0

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109	Polyscope-Based Sperm Selection. , 2012, , 273-277.		0