

Marcos Meseguer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2604510/publications.pdf>

Version: 2024-02-01

187
papers

10,933
citations

22153

59
h-index

34986

98
g-index

190
all docs

190
docs citations

190
times ranked

5546
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of morphokinetics as a predictor of embryo implantation. Human Reproduction, 2011, 26, 2658-2671.	0.9	737
2	Use of cryo-banked oocytes in an ovum donation programme: a prospective, randomized, controlled, clinical trial. Human Reproduction, 2010, 25, 2239-2246.	0.9	507
3	Female obesity impairs in vitro fertilization outcome without affecting embryo quality. Fertility and Sterility, 2010, 93, 447-454.	1.0	303
4	Human Endometrial Mucin MUC1 Is Up-Regulated by Progesterone and Down-Regulated In Vitro by the Human Blastocyst. Biology of Reproduction, 2001, 64, 590-601.	2.7	297
5	Limited implantation success of direct-cleaved human zygotes: a time-lapse study. Fertility and Sterility, 2012, 98, 1458-1463.	1.0	287
6	Embryo incubation and selection in a time-lapse monitoring system improves pregnancy outcome compared with a standard incubator: a retrospective cohort study. Fertility and Sterility, 2012, 98, 1481-1489.e10.	1.0	273
7	Clinical validation of embryo culture and selection by morphokinetic analysis: a randomized, controlled trial of the EmbryoScope. Fertility and Sterility, 2014, 102, 1287-1294.e5.	1.0	267
8	Deep learning enables robust assessment and selection of human blastocysts after in vitro fertilization. Npj Digital Medicine, 2019, 2, 21.	10.9	246
9	Timing of cell division in human cleavage-stage embryos is linked with blastocyst formation and quality. Reproductive BioMedicine Online, 2012, 25, 371-381.	2.4	242
10	Obesity reduces uterine receptivity: clinical experience from 9,587 first cycles of ovum donation with normal weight donors. Fertility and Sterility, 2013, 100, 1050-1058.e2.	1.0	189
11	Value of the sperm deoxyribonucleic acid fragmentation level, as measured by the sperm chromatin dispersion test, in the outcome of in vitro fertilization and intracytoplasmic sperm injection. Fertility and Sterility, 2006, 85, 371-383.	1.0	181
12	The use of morphokinetics as a predictor of implantation: a multicentric study to define and validate an algorithm for embryo selection. Human Reproduction, 2015, 30, 276-283.	0.9	179
13	The significance of premature luteinization in an oocyte-donation programme. Human Reproduction, 2006, 21, 1503-1507.	0.9	177
14	Embryo quality, blastocyst and ongoing pregnancy rates in oocyte donation patients whose embryos were monitored by time-lapse imaging. Journal of Assisted Reproduction and Genetics, 2011, 28, 569-573.	2.5	177
15	Increasing the probability of selecting chromosomally normal embryos by time-lapse morphokinetics analysis. Fertility and Sterility, 2014, 101, 699-704.e1.	1.0	163
16	Effect of sperm DNA fragmentation on pregnancy outcome depends on oocyte quality. Fertility and Sterility, 2011, 95, 124-128.	1.0	161
17	Diagnosis of human preimplantation embryo viability. Human Reproduction Update, 2015, 21, 727-747.	10.8	158
18	Morphokinetic analysis and embryonic prediction for blastocyst formation through an integrated time-lapse system. Fertility and Sterility, 2016, 105, 376-384.e9.	1.0	157

#	ARTICLE	IF	CITATIONS
19	Testicular sperm extraction (TESE) and ICSI in patients with permanent azoospermia after chemotherapy. Human Reproduction, 2003, 18, 1281-1285.	0.9	142
20	Selection of high potential embryos using time-lapse imaging: the era of morphokinetics. Fertility and Sterility, 2013, 99, 1030-1034.	1.0	134
21	Adenomyosis does not affect implantation, but is associated with miscarriage in patients undergoing oocyte donation. Fertility and Sterility, 2011, 96, 943-950.e1.	1.0	125
22	Sperm cryopreservation in oncological patients: a 14-year follow-up study. Fertility and Sterility, 2006, 85, 640-645.	1.0	122
23	The significance of sperm DNA oxidation in embryo development and reproductive outcome in an oocyte donation program: a new model to study a male infertility prognostic factor. Fertility and Sterility, 2008, 89, 1191-1199.	1.0	121
24	Hormonal and embryonic regulation of chemokines IL-8, MCP-1 and RANTES in the human endometrium during the window of implantation. Molecular Human Reproduction, 2002, 8, 375-384.	2.8	119
25	The why, the how and the when of PGS 2.0: current practices and expert opinions of fertility specialists, molecular biologists, and embryologists. Molecular Human Reproduction, 2016, 22, 845-857.	2.8	116
26	Value of the sperm chromatin dispersion test in predicting pregnancy outcome in intrauterine insemination: a blind prospective study*. Human Reproduction, 2006, 21, 738-744.	0.9	114
27	Origin and composition of cell-free DNA in spent medium from human embryo culture during preimplantation development. Human Reproduction, 2018, 33, 745-756.	0.9	114
28	Storage of human oocytes in the vapor phase of nitrogen. Fertility and Sterility, 2010, 94, 1903-1907.	1.0	113
29	Microarray analysis in sperm from fertile and infertile men without basic sperm analysis abnormalities reveals a significantly different transcriptome. Fertility and Sterility, 2009, 91, 1307-1310.	1.0	108
30	GnRH agonist versus recombinant HCG in an oocyte donation programme: a randomized, prospective, controlled, assessor-blind study. Reproductive BioMedicine Online, 2009, 19, 486-492.	2.4	106
31	Type of culture media does not affect embryo kinetics: a time-lapse analysis of sibling oocytes. Human Reproduction, 2013, 28, 634-641.	0.9	105
32	PGE ₂ and PGF ₂ ± Concentrations in Human Endometrial Fluid as Biomarkers for Embryonic Implantation. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 4123-4132.	3.6	100
33	Good practice recommendations for the use of time-lapse technology. Human Reproduction Open, 2020, 2020, hoaa008.	5.4	97
34	Influence of paternal age on assisted reproduction outcome. Reproductive BioMedicine Online, 2008, 17, 595-604.	2.4	96
35	Pro-oxidative and anti-oxidative imbalance in human semen and its relation with male fertility. Asian Journal of Andrology, 2004, 6, 59-65.	1.6	91
36	Relationship among standard semen parameters, glutathione peroxidase/glutathione reductase activity, and mRNA expression and reduced glutathione content in ejaculated spermatozoa from fertile and infertile men. Fertility and Sterility, 2004, 82, 1059-1066.	1.0	85

#	ARTICLE	IF	CITATIONS
37	Improvements achieved in an oocyte donation program over a 10-year period: sequential increase in implantation and pregnancy rates and decrease in high-order multiple pregnancies. <i>Fertility and Sterility</i> , 2007, 88, 342-349.	1.0	84
38	Optimizing the culture environment and embryo manipulation to help maintain embryo developmental potential. <i>Fertility and Sterility</i> , 2016, 105, 571-587.	1.0	82
39	MUC1 and endometrial receptivity. <i>Molecular Human Reproduction</i> , 1998, 4, 1089-1098.	2.8	81
40	Sperm and oocyte donor selection and management: experience of a 10 year follow-up of more than 2100 candidates. <i>Human Reproduction</i> , 2002, 17, 3142-3148.	0.9	80
41	Report of the results of a 2 year programme of sperm wash and ICSI treatment for human immunodeficiency virus and hepatitis C virus serodiscordant couples. <i>Human Reproduction</i> , 2004, 19, 2581-2586.	0.9	80
42	MUCI, glycans and the cell-surface barrier to embryo implantation. <i>Biochemical Society Transactions</i> , 2001, 29, 153-156.	3.4	79
43	The type of GnRH analogue used during controlled ovarian stimulation influences early embryo developmental kinetics: a time-lapse study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2013, 168, 167-172.	1.1	79
44	Endometrial Receptivity and Implantation Are Not Affected by the Presence of Uterine Intramural Leiomyomas: A Clinical and Functional Genomics Analysis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 3490-3498.	3.6	76
45	Differential transcriptomic profile in spermatozoa achieving pregnancy or not via ICSI. <i>Reproductive BioMedicine Online</i> , 2011, 22, 25-36.	2.4	76
46	Similar morphokinetic patterns in embryos derived from obese and normoweight infertile women: a time-lapse study. <i>Human Reproduction</i> , 2013, 28, 794-800.	0.9	74
47	The human first cell cycle: impact on implantation. <i>Reproductive BioMedicine Online</i> , 2014, 28, 475-484.	2.4	74
48	Semen characteristics in human immunodeficiency virus (HIV)- and hepatitis C (HCV)-seropositive males: predictors of the success of viral removal after sperm washing. <i>Human Reproduction</i> , 2005, 20, 1028-1034.	0.9	72
49	Type of chromosome abnormality affects embryo morphology dynamics. <i>Fertility and Sterility</i> , 2017, 107, 229-235.e2.	1.0	72
50	Y chromosome microdeletions, sperm DNA fragmentation and sperm oxidative stress as causes of recurrent spontaneous abortion of unknown etiology. <i>Human Reproduction</i> , 2010, 25, 1713-1721.	0.9	71
51	Assessment of embryo morphology and developmental dynamics by time-lapse microscopy: is there a relation to implantation and ploidy?. <i>Fertility and Sterility</i> , 2017, 108, 722-729.	1.0	67
52	Antral follicle count (AFC) can be used in the prediction of ovarian response but cannot predict the oocyte/embryo quality or the in vitro fertilization outcome in an egg donation program. <i>Fertility and Sterility</i> , 2009, 91, 148-156.	1.0	66
53	Collapse of blastocysts is strongly related to lower implantation success: a time-lapse study. <i>Human Reproduction</i> , 2015, 30, 2501-2508.	0.9	66
54	The transcriptome of spermatozoa used in homologous intrauterine insemination varies considerably between samples that achieve pregnancy and those that do not. <i>Fertility and Sterility</i> , 2010, 94, 1360-1373.	1.0	65

#	ARTICLE	IF	CITATIONS
55	Removal of annexin Vâ€“positive sperm cells for intracytoplasmic sperm injection in ovum donation cycles does not improve reproductive outcome: a controlled and randomized trial in unselected males. Fertility and Sterility, 2014, 102, 1567-1575.e1.	1.0	65
56	Oocyte insemination techniques are related to alterations of embryo developmental timing in an oocyte donation model. Reproductive BioMedicine Online, 2013, 27, 367-375.	2.4	64
57	Is morphokinetic analysis the answer?. Reproductive BioMedicine Online, 2013, 27, 654-663.	2.4	64
58	Increased Adhesiveness in Cultured Endometrial-Derived Cells Is Related to the Absence of Moesin Expression1. Biology of Reproduction, 2000, 63, 1370-1376.	2.7	63
59	Comparison of polymerase chain reactionâ€“dependent methods for determining the presence of human immunodeficiency virus and hepatitis C virus in washed sperm. Fertility and Sterility, 2002, 78, 1199-1202.	1.0	63
60	Oxygen consumption is a quality marker for human oocyte competence conditioned by ovarian stimulation regimens. Fertility and Sterility, 2011, 96, 618-623.e2.	1.0	63
61	A time to look back: analysis of morphokinetic characteristics of human embryo development. Fertility and Sterility, 2013, 100, 1602-1609.e4.	1.0	61
62	Dose of recombinant FSH and oestradiol concentration on day of HCG affect embryo development kinetics. Reproductive BioMedicine Online, 2012, 25, 382-389.	2.4	59
63	High progesterone levels in women with high ovarian response do not affect clinical outcomes: a retrospective cohort study. Reproductive Biology and Endocrinology, 2014, 12, 69.	3.3	59
64	Ethnicity as a determinant of ovarian reserve: differences in ovarian aging between Spanish and Indian women. Fertility and Sterility, 2014, 102, 244-249.	1.0	57
65	Effect of sperm glutathione peroxidases 1 and 4 on embryo asymmetry and blastocyst quality in oocyte donation cycles. Fertility and Sterility, 2006, 86, 1376-1385.	1.0	55
66	Contribution of sperm molecular features to embryo quality and assisted reproduction success. Reproductive BioMedicine Online, 2008, 17, 855-865.	2.4	54
67	Variables associated with mitochondrial copy number in human blastocysts: what can we learn from trophectoderm biopsies?. Fertility and Sterility, 2018, 109, 110-117.	1.0	54
68	High sperm <scp>DNA</scp> fragmentation delays human embryo kinetics when oocytes from young and healthy donors are microinjected. Andrology, 2018, 6, 697-706.	3.5	54
69	Role of cholesterol, calcium, and mitochondrial activity in the susceptibility for cryodamage after a cycle of freezing and thawing. Fertility and Sterility, 2004, 81, 588-594.	1.0	52
70	Sperm DNA fragmentation levels in testicular sperm samples from azoospermic males as assessed by the sperm chromatin dispersion (SCD) test. Fertility and Sterility, 2009, 92, 1638-1645.	1.0	52
71	Time-dependent O2 consumption patterns determined optimal time ranges for selecting viable human embryos. Fertility and Sterility, 2012, 98, 849-857.e3.	1.0	52
72	New strategy for diagnosing embryoâ€“implantation potential byâ€“combining proteomics and time-lapse technologies. Fertility and Sterility, 2015, 104, 908-914.	1.0	52

#	ARTICLE	IF	CITATIONS
73	Concentration of Glutathione and Expression of Glutathione Peroxidases 1 and 4 in Fresh Sperm Provide a Forecast of the Outcome of Cryopreservation of Human Spermatozoa. Journal of Andrology, 2004, 25, 773-780.	2.0	50
74	Full inÂvitro fertilization laboratory mechanization: toward robotic assisted reproduction?. Fertility and Sterility, 2012, 97, 1277-1286.	1.0	49
75	Relationship Between Standard Semen Parameters, Calcium, Cholesterol Contents, and Mitochondrial Activity in Ejaculated Spermatozoa From Fertile and Infertile Males. Journal of Assisted Reproduction and Genetics, 2004, 21, 445-451.	2.5	48
76	Swim-up procedure selects spermatozoa with longer telomere length. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 688, 88-90.	1.0	47
77	Automatic time-lapse instrument is superior to single-point morphology observation for selecting viable embryos: retrospective study in oocyte donation. Fertility and Sterility, 2016, 106, 1379-1385.e10.	1.0	47
78	Simultaneous determination in situ of DNA fragmentation and 8-oxoguanine in human sperm. Fertility and Sterility, 2010, 93, 314-318.	1.0	46
79	Time of morulation and trophectoderm quality are predictors of a live birth after euploid blastocyst transfer: a multicenter study. Fertility and Sterility, 2019, 112, 1080-1093.e1.	1.0	46
80	Novel and conventional embryo parameters as input data for artificial neural networks: an artificial intelligence model applied for prediction of the implantation potential. Fertility and Sterility, 2020, 114, 1232-1241.	1.0	46
81	Female obesity increases the risk of miscarriage of euploid embryos. Fertility and Sterility, 2021, 115, 1495-1502.	1.0	46
82	Is there a relationship between time-lapse parameters and embryo sex?. Fertility and Sterility, 2015, 103, 396-401.e2.	1.0	45
83	Sperm selection by swim-up in terms of deoxyribonucleic acid fragmentation as measured by the sperm chromatin dispersion test is altered in heavy smokers. Fertility and Sterility, 2007, 88, 523-525.	1.0	41
84	Blastocyst development in single medium with or without renewal onÂday 3: a prospective cohort study on sibling donor oocytes in a time-lapse incubator. Fertility and Sterility, 2016, 105, 707-713.	1.0	41
85	The effect of cancer on sperm DNA fragmentation as measured by the sperm chromatin dispersion test. Fertility and Sterility, 2008, 90, 225-227.	1.0	40
86	Effect of oocyte vitrification on embryo quality: time-lapse analysis and morphokinetic evaluation. Fertility and Sterility, 2017, 108, 491-497.e3.	1.0	40
87	Time-lapse imaging: the state of the artÂ€. Biology of Reproduction, 2019, 101, 1146-1154.	2.7	40
88	How much have we learned from time-lapse in clinical IVF?. Molecular Human Reproduction, 2016, 22, 719-727.	2.8	37
89	Obstetric and perinatal outcomes of pregnancies conceived with embryos cultured in a time-lapse monitoring system. Fertility and Sterility, 2017, 108, 498-504.	1.0	36
90	Study of nucleation status in the secondÂcell cycle of human embryo and its impact on implantation rate. Fertility and Sterility, 2016, 106, 291-299.e2.	1.0	35

#	ARTICLE	IF	CITATIONS
91	The Human Sperm Glutathione System: A Key Role in Male Fertility and Successful Cryopreservation. Drug Metabolism Letters, 2007, 1, 121-126.	0.8	34
92	What does morphokinetics add to embryo selection and in-vitro fertilization outcomes?. Current Opinion in Obstetrics and Gynecology, 2015, 27, 193-200.	2.0	34
93	Assessment of sperm using mRNA microarray technology. Fertility and Sterility, 2013, 99, 1008-1022.	1.0	33
94	Analysis of the morphological dynamics of blastocysts after vitrification/warming: defining new predictive variables of implantation. Fertility and Sterility, 2017, 108, 659-666.e4.	1.0	32
95	Cigarette smoking affects specific sperm oxidative defenses but does not cause oxidative DNA damage in infertile men. Fertility and Sterility, 2010, 94, 631-637.	1.0	30
96	Transmembrane and truncated (SEC) isoforms of MUC1 in the human endometrium and Fallopian tube. Reproductive Biology and Endocrinology, 2003, 1, 2.	3.3	29
97	A combination of hydroxypropyl cellulose and trehalose as supplementation for vitrification of human oocytes: a retrospective cohort study. Journal of Assisted Reproduction and Genetics, 2016, 33, 413-421.	2.5	29
98	Sperm chromosomal abnormalities and their contribution to human embryo aneuploidy. Biology of Reproduction, 2019, 101, 1091-1101.	2.7	29
99	Focus on time-lapse analysis: blastocyst collapse and morphometric assessment as new features of embryo viability. Reproductive BioMedicine Online, 2021, 43, 821-832.	2.4	29
100	A prospective, randomized, controlled trial comparing three different gonadotropin regimens in oocyte donors: ovarian response, in vitro fertilization outcome, and analysis of cost minimization. Fertility and Sterility, 2010, 94, 958-964.	1.0	27
101	A new system of sperm cryopreservation: evaluation of survival, motility, DNA oxidation, and mitochondrial activity. Andrology, 2019, 7, 293-301.	3.5	27
102	An artificial intelligence model based on the proteomic profile of euploid embryos and blastocyst morphology: a preliminary study. Reproductive BioMedicine Online, 2021, 42, 340-350.	2.4	27
103	Combination of metabolism measurement and a time-lapse system provides an embryo selection method based on oxygen uptake and chronology of cytokinesis timing. Fertility and Sterility, 2016, 106, 119-126.e2.	1.0	24
104	Morphologic indicators predict the stage of chromatin condensation of human germinal vesicle oocytes recovered from stimulated cycles. Fertility and Sterility, 2010, 93, 2557-2564.	1.0	23
105	Parameters Affecting the Results in a Program of Artificial Insemination With Donor Sperm. A 12-year Retrospective Review of More Than 1800 Cycles. Journal of Assisted Reproduction and Genetics, 2004, 21, 109-118.	2.5	22
106	Human immunodeficiency type-1 virus (HIV-1) infection in serodiscordant couples (SDCs) does not have an impact on embryo quality or intracytoplasmic sperm injection (ICSI) outcome. Fertility and Sterility, 2008, 89, 141-150.	1.0	21
107	Ontological evaluation of transcriptional differences between sperm of infertile males and fertile donors using microarray analysis. Journal of Assisted Reproduction and Genetics, 2010, 27, 111-120.	2.5	21
108	Smoking habits of parents and male: female ratio in spermatozoa and preimplantation embryos. Human Reproduction, 2005, 20, 2517-2522.	0.9	20

#	ARTICLE	IF	CITATIONS
109	Sperm lipidic profiles differ significantly between ejaculates resulting in pregnancy or not following intracytoplasmic sperm injection. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 1973-1985.	2.5	19
110	A comparison of morphokinetic markers predicting blastocyst formation and implantation potential from two large clinical data sets. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 637-646.	2.5	19
111	Novel noninvasive embryo selection algorithm combining time-lapse morphokinetics and oxidative status of the spent embryo culture medium. <i>Fertility and Sterility</i> , 2019, 111, 918-927.e3.	1.0	19
112	The effectiveness of modified sperm washes in severely oligoasthenozoospermic men infected with human immunodeficiency and hepatitis C viruses. <i>Fertility and Sterility</i> , 2006, 86, 1544-1546.	1.0	18
113	Selection of preimplantation embryos using time-lapse microscopy in in vitro fertilization: State of the technology and future directions. <i>Birth Defects Research</i> , 2018, 110, 648-653.	1.5	18
114	First report of the absence of viral load in testicular sperm samples obtained from men with hepatitis C and HIV after washing and their subsequent use. <i>Fertility and Sterility</i> , 2009, 92, 1012-1015.	1.0	17
115	Report of results obtained in 2,934 women using donor sperm: donor insemination versus in vitro fertilization according to indication. <i>Fertility and Sterility</i> , 2011, 96, 1134-1137.	1.0	17
116	Morphokinetics as a predictor of self-correction to diploidy in tripronucleated intracytoplasmic sperm injection-derived human embryos. <i>Fertility and Sterility</i> , 2015, 104, 728-735.	1.0	17
117	Paving the way for a gold standard of care for infertility treatment: improving outcomes through standardization of laboratory procedures. <i>Reproductive BioMedicine Online</i> , 2017, 35, 391-399.	2.4	17
118	Obstetric and perinatal outcome of babies born from sperm selected by MACS from a randomized controlled trial. <i>Journal of Assisted Reproduction and Genetics</i> , 2017, 34, 201-207.	2.5	17
119	Blastocyst collapse as an embryo marker of low implantation potential: a time-lapse multicentre study. <i>Zygote</i> , 2020, 28, 139-147.	1.1	17
120	ASSISTED REPRODUCTION IN HIV AND HCV INFECTED MEN OF SERODISCORDANT COUPLES. <i>Archives of Andrology</i> , 2004, 50, 105-111.	1.0	16
121	Testicular Sperm Extraction (TESE) and Intracytoplasmic Sperm Injection (ICSI) in Hypogonadotropic Hypogonadism with Persistent Azoospermia After Hormonal Therapy. <i>Journal of Assisted Reproduction and Genetics</i> , 2004, 21, 91-94.	2.5	16
122	The morphokinetic signature of mosaic embryos: evidence in support of their own genetic identity. <i>Fertility and Sterility</i> , 2021, 116, 165-173.	1.0	16
123	The higher the score, the better the clinical outcome: retrospective evaluation of automatic embryo grading as a support tool for embryo selection in IVF laboratories. <i>Human Reproduction</i> , 2022, 37, 1148-1160.	0.9	16
124	MUC1 in human testis and ejaculated spermatozoa and its relationship to male fertility status. <i>Fertility and Sterility</i> , 2008, 90, 450-452.	1.0	14
125	Magnetic activated sorting selection (MACS) of non-apoptotic sperm (NAS) improves pregnancy rates in homologous intrauterine insemination (IUI). preliminary data. <i>Fertility and Sterility</i> , 2010, 94, S14.	1.0	14
126	Time-lapse technology: evaluation of embryo quality and new markers for embryo selection. <i>Expert Review of Obstetrics and Gynecology</i> , 2012, 7, 175-190.	0.4	14

#	ARTICLE	IF	CITATIONS
127	SESSION 69: EMBRYOLOGY - CAUSE AND EFFECT OF BAD TIMING. Human Reproduction, 2012, 27, ii103-ii105.	0.9	14
128	Session 57: Time lapse: the real revolution for ambryo assessment?. Human Reproduction, 2013, 28, i87-i90.	0.9	13
129	Preimplantation genetic testing for aneuploidy in patients with partial X monosomy using their own oocytes: is this a suitable indication?. Fertility and Sterility, 2020, 114, 346-353.	1.0	13
130	Fertility technologies and how to optimize laboratory performance to support the shortening of time to birth of a healthy singleton: a Delphi consensus. Journal of Assisted Reproduction and Genetics, 2021, 38, 1021-1043.	2.5	12
131	Flow cytometry in human reproductive biology. Gynecological Endocrinology, 2002, 16, 505-521.	1.7	11
132	In vitro fertilization with intracytoplasmic sperm injection for human immunodeficiency virus-1 serodiscordant couples. American Journal of Obstetrics and Gynecology, 2002, 187, 1121.	1.3	11
133	Relevance of testicular sperm DNA oxidation for the outcome of ovum donation cycles. Fertility and Sterility, 2010, 94, 979-988.	1.0	11
134	Systematic review on clinical outcomes following selection of human preimplantation embryos with time-lapse monitoring. Human Reproduction Update, 2015, 21, 153-154.	10.8	11
135	Time-lapse: the remaining questions to be answered. Fertility and Sterility, 2016, 105, 295-296.	1.0	11
136	Assessment of embryo implantation potential with a cloud-based automatic software. Reproductive BioMedicine Online, 2021, 42, 66-74.	2.4	11
137	COVID-19 mRNA vaccines have no effect on endometrial receptivity after euploid embryo transfer. Reproductive BioMedicine Online, 2022, 45, 688-695.	2.4	11
138	Let's rescue oocytes: in vitro maturation 2.0 is coming. Fertility and Sterility, 2018, 110, 638-639.	1.0	10
139	Effect of oocyte morphology on post-warming survival and embryo development in vitrified autologous oocytes. Reproductive BioMedicine Online, 2019, 38, 313-320.	2.4	10
140	Blastocyst formation is similar in obese and normal weight women: a morphokinetic study. Human Reproduction, 2021, 36, 3062-3073.	0.9	10
141	Use of washed sperm for assisted reproduction in HIV-positive males without checking viral absence. A risky business?. Human Reproduction, 2006, 21, 567-568.	0.9	9
142	Bleeding during transfer is the only parameter of patient anatomy and embryo quality that affects reproductive outcome: a prospective study. Fertility and Sterility, 2009, 92, 953-955.	1.0	9
143	Automatic characterization of human embryos at day 4 post-insemination from time-lapse imaging using supervised contrastive learning and inductive transfer learning techniques. Computer Methods and Programs in Biomedicine, 2022, 221, 106895.	4.7	9
144	Gender selection: ethical, scientific, legal, and practical issues. Journal of Assisted Reproduction and Genetics, 2002, 19, 443-446.	2.5	7

#	ARTICLE	IF	CITATIONS
145	ASSISTED REPRODUCTION IN HIV AND HCV INFECTED MEN OF SERODISCORDANT COUPLES. Archives of Andrology, 2004, 50, 105-111.	1.0	7
146	Prediction of embryo survival and live birth rates after cryotransfers of vitrified blastocysts. Reproductive BioMedicine Online, 2021, 42, 881-891.	2.4	7
147	Increasing the success of assisted reproduction by defining sperm fertility markers and selecting sperm with the best molecular profile. Expert Review of Obstetrics and Gynecology, 2012, 7, 347-362.	0.4	6
148	A Strength, Weaknesses, Opportunities and Threats analysis on time lapse. Current Opinion in Obstetrics and Gynecology, 2019, 31, 148-155.	2.0	6
149	Ovarian stimulation length, number of follicles higher than 17Âmm and estradiol on the day of human chorionic gonadotropin administration are risk factors for multiple pregnancy in intrauterine insemination. Reproductive Medicine and Biology, 2007, 6, 19-26.	2.4	5
150	Use of Cryobanked Oocytes in an Ovum Donation Program: A Prospective, Randomized, Controlled Clinical Trial. Obstetrical and Gynecological Survey, 2010, 65, 775-777.	0.4	5
151	Time-lapse in the IVF lab: how should we assess potential benefit?. Human Reproduction, 2015, 30, 1276-1276.	0.9	5
152	The journey toward personalized embryo selection algorithms. Fertility and Sterility, 2021, 115, 898-899.	1.0	4
153	InÂvitro fertilization and andrology laboratory in 2030: expert visions. Fertility and Sterility, 2021, 116, 4-12.	1.0	4
154	Differential sperm proteomic profiles according to pregnancy achievement in intracytoplasmic sperm injection cycles: a pilot study. Journal of Assisted Reproduction and Genetics, 2021, 38, 1507-1521.	2.5	3
155	Will the introduction of automated ART laboratory systems render the majority of embryologists redundant?. Reproductive BioMedicine Online, 2021, 43, 979-981.	2.4	3
156	Timing does not influence outcomes in double intrauterine insemination. Fertility and Sterility, 2001, 76, S248.	1.0	2
157	The most well kept secret, embryo culture media: a smart reveal from an expert. Fertility and Sterility, 2017, 107, 910.	1.0	2
158	Time-lapse technology combined with a novel automated analysis method for embryo selection; clinical validation. Fertility and Sterility, 2017, 108, e239.	1.0	2
159	Reproductive issues for persons with HIV. American Journal of Obstetrics and Gynecology, 2004, 190, 1489.	1.3	1
160	Reply of the authors:. Fertility and Sterility, 2004, 82, 515.	1.0	1
161	Interpretation of sperm morphology analysis in gynecological practice for infertility. Expert Review of Obstetrics and Gynecology, 2006, 1, 7-9.	0.4	1
162	One for all or all for one? TheÂevolution of embryo morphokinetics. Fertility and Sterility, 2017, 107, 571-572.	1.0	1

#	ARTICLE	IF	CITATIONS
163	To invade, or to observe, that is the question. Fertility and Sterility, 2018, 109, 613-614.	1.0	1
164	Predicting the Success of Blastocyst Implantation from Morphokinetic Parameters Estimated through CNNs and Sum of Absolute Differences. , 2019, , .		1
165	Euploidy prediction: possible or impossible? Closer or further away?. Fertility and Sterility, 2021, 115, 316.	1.0	1
166	Are we approaching automated assisted reproductive technology? Embryo culture, metabolomics, and cryopreservation. F&S Reviews, 2021, 2, 251-264.	1.3	1
167	Real-Time Imaging Strategies to Improve Morphological Assessment. , 2013, , 45-53.		1
168	The use of morphokinetic as a predictor of implantation. Minerva Obstetrics and Gynecology, 2017, 69, 555-567.	1.0	1
169	Biochemical markers of male infertility: the key role of DNA damage. Expert Review of Obstetrics and Gynecology, 2008, 3, 565-576.	0.4	0
170	Antioxidants in ICSI. , 2012, , 439-448.		0
171	Origin and Composition of Cell-Free DNA in Spent Medium From Human Embryo Culture During Preimplantation Development. Obstetrical and Gynecological Survey, 2018, 73, 355-356.	0.4	0
172	Better together than alone: the cumulus benefits. Fertility and Sterility, 2018, 109, 786-787.	1.0	0
173	Culture Systems for the Human Embryo. , 2018, , 172-175.		0
174	Noninvasive embryo assessment: how close are we?. Fertility and Sterility, 2019, 112, 811-812.	1.0	0
175	Evaluation of Embryo Quality. , 2019, , 280-294.		0
176	Embryo morphokinetics analysis and reproductive outcomes with assisted oocyte activation by a calcium ionophore after prior fertilization failure. A multicentric retrospective study. Medicina Reproductiva Y EmbriologÃa ClÃnica, 2020, 7, 89-97.	0.1	0
177	Individualized Embryo Selection. , 2021, , 96-111.		0
178	â€œQuality is not an act, it is a habit.â€•Reflection on the role of the fertilization rate in the quality control strategies of assisted reproduction treatments. Fertility and Sterility, 2021, 116, 666-667.	1.0	0
179	Embryo-Maternal Dialogue in the Apposition and Adhesion Phases of Human Implantation. , 2001, , 199-209.		0
180	The Endometrial Epithelium. , 2002, , 292-313.		0

#	ARTICLE	IF	CITATIONS
181	The Male Gamete. Reproductive Medicine and Assisted Reproductive Techniques Series, 2009, , 82-95.	0.1	0
182	The Male Gamete. Reproductive Medicine and Assisted Reproductive Techniques Series, 2009, , 82-95.	0.1	0
183	Processing Sperm Samples in HIV-Positive Patients. , 2012, , 221-228.		0
184	Evaluation of embryo quality: Time-lapse imaging to assess embryo morphokinesis. , 2012, , 254-265.		0
185	Processing Sperm Samples in HIV-Positive Patients. , 2013, , 47-59.		0
186	Antioxidants in ICSI. , 2013, , 397-413.		0
187	What else can we do? The latest attempt to improve the sperm's path. Fertility and Sterility, 2017, 108, 444-445.	1.0	0