Marcos Meseguer

List of Publications by Year in Descending Order

176 papers	8,336 citations	53 h-index	87 g-index
190 ext. papers	9,732 ext. citations	2.7 avg, IF	6.01 L-index

#	Paper	IF	Citations
176	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**, 106895	6.9	1
175	Will the introduction of automated ART laboratory systems render the majority of embryologists redundant?. *Reproductive BioMedicine Online*, **2021**, 43, 979-981	4	0
174	Individualized Embryo Selection **2021**, 96-111		
173	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	3.4	0
172	Prediction of embryo survival and live birth rates after cryotransfers of vitrified blastocysts. *Reproductive BioMedicine Online*, **2021**, 42, 881-891	4	1
171	Assessment of embryo implantation potential with a cloud-based automatic software. *Reproductive BioMedicine Online*, **2021**, 42, 66-74	4	4
170	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	4	8
169	Female obesity increases the risk of miscarriage of euploid embryos. *Fertility and Sterility*, **2021**, 115, 1495-1502	4.8	10
168	Blastocyst formation is similar in obese and normal weight women: a morphokinetic study. *Human Reproduction*, **2021**, 36, 3062-3073	5.7	2
167	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	3.4	2
166	In vitro fertilization and andrology laboratory in 2030: expert visions. *Fertility and Sterility*, **2021**, 116, 4-12	4.8	0
165	The morphokinetic signature of mosaic embryos: evidence in support of their own genetic identity. *Fertility and Sterility*, **2021**, 116, 165-173	4.8	2
164	Focus on time-lapse analysis: blastocyst collapse and morphometric assessment as new features of embryo viability. *Reproductive BioMedicine Online*, **2021**, 43, 821-832	4	2
163	Good practice recommendations for the use of time-lapse technology. *Human Reproduction Open*, **2020**, 2020, hoaa008	6.1	40
162	Blastocyst collapse as an embryo marker of low implantation potential: a time-lapse multicentre study. *Zygote*, **2020**, 1-9	1.6	6
161	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	4.8	13
160	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	4.8	5

159	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 Embriología Clínica*, **2020**, 7, 89-97	0.1	
158	A comparison of morphokinetic markers predicting blastocyst formation and implantation potential from two large clinical data sets. *Journal of Assisted Reproduction and Genetics*, **2019**, 36, 637-646	3.4	11
157	Time-lapse imaging: the state of the art. *Biology of Reproduction*, **2019**, 101, 1146-1154	3.9	13
156	A new system of sperm cryopreservation: evaluation of survival, motility, DNA oxidation, and mitochondrial activity. *Andrology*, **2019**, 7, 293-301	4.2	14
155	Novel noninvasive embryo selection algorithm combining time-lapse morphokinetics and oxidative status of the spent embryo culture medium. *Fertility and Sterility*, **2019**, 111, 918-927.e3	4.8	9
154	Deep learning enables robust assessment and selection of human blastocysts after in vitro fertilization. *Npj Digital Medicine*, **2019**, 2, 21	15.7	126
153	Evaluation of Embryo Quality **2019**, 280-294		
152	Sperm chromosomal abnormalities and their contribution to human embryo aneuploidy. *Biology of Reproduction*, **2019**, 101, 1091-1101	3.9	14
151	A Strength, Weaknesses, Opportunities and Threats analysis on time lapse. *Current Opinion in Obstetrics and Gynecology*, **2019**, 31, 148-155	2.4	5
150	Predicting the Success of Blastocyst Implantation from Morphokinetic Parameters Estimated through CNNs and Sum of Absolute Differences **2019**,		1
149	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	4.8	16
148	Effect of oocyte morphology on post-warming survival and embryo development in vitrified autologous oocytes. *Reproductive BioMedicine Online*, **2019**, 38, 313-320	4	5
147	Origin and composition of cell-free DNA in spent medium from human embryo culture during preimplantation development. *Human Reproduction*, **2018**, 33, 745-756	5.7	71
146	Variables associated with mitochondrial copy number in human blastocysts: what can we learn from trophectoderm biopsies?. *Fertility and Sterility*, **2018**, 109, 110-117	4.8	40
145	Selection of preimplantation embryos using time-lapse microscopy in in vitro fertilization: State of the technology and future directions. *Birth Defects Research*, **2018**, 110, 648-653	2.9	12
144	Culture Systems for the Human Embryo **2018**, 172-175		
143	Sperm lipidic profiles differ significantly between ejaculates resulting in pregnancy or not following intracytoplasmic sperm injection. *Journal of Assisted Reproduction and Genetics*, **2018**, 35, 1973-1985	3.4	11
142	High sperm DNA fragmentation delays human embryo kinetics when oocytes from young and healthy donors are microinjected. *Andrology*, **2018**, 6, 697-706	4.2	23

141	One for all or all for one? The evolution of embryo morphokinetics. *Fertility and Sterility*, **2017**, 107, 571-572	4.8	1
140	The most well kept secret, embryo culture media: a smart reveal from an expert. *Fertility and Sterility*, **2017**, 107, 910	4.8	2
139	Assessment of embryo morphology and developmental dynamics by time-lapse microscopy: is there a relation to implantation and ploidy?. *Fertility and Sterility*, **2017**, 108, 722-729	4.8	37
138	Analysis of the morphological dynamics of blastocysts after vitrification/warming: defining new predictive variables of implantation. *Fertility and Sterility*, **2017**, 108, 659-666.e4	4.8	18
137	Time-lapse technology combined with a novel automated analysis method for embryo selection; clinical validation. *Fertility and Sterility*, **2017**, 108, e239	4.8	2
136	Effect of oocyte vitrification on embryo quality: time-lapse analysis and morphokinetic evaluation. *Fertility and Sterility*, **2017**, 108, 491-497.e3	4.8	32
135	Obstetric and perinatal outcomes of pregnancies conceived with embryos cultured in a time-lapse monitoring system. *Fertility and Sterility*, **2017**, 108, 498-504	4.8	24
134	Paving the way for a gold standard of care for infertility treatment: improving outcomes through standardization of laboratory procedures. *Reproductive BioMedicine Online*, **2017**, 35, 391-399	4	12
133	Type of chromosome abnormality affects embryo morphology dynamics. *Fertility and Sterility*, **2017**, 107, 229-235.e2	4.8	45
132	Obstetric and perinatal outcome of babies born from sperm selected by MACS from a randomized controlled trial. *Journal of Assisted Reproduction and Genetics*, **2017**, 34, 201-207	3.4	12
131	The use of morphokinetic as a predictor of implantation. *Minerva Obstetrics and Gynecology*, **2017**, 69, 555-567		1
130	What else can we do? The latest attempt to improve the sperm's path. *Fertility and Sterility*, **2017**, 108, 444-445	4.8	
129	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	4.8	35
128	How much have we learned from time-lapse in clinical IVF?. *Molecular Human Reproduction*, **2016**, 22, 719-727	4.4	26
127	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, 845-57	4.4	99
126	Morphokinetic analysis and embryonic prediction for blastocyst formation through an integrated time-lapse system. *Fertility and Sterility*, **2016**, 105, 376-84.e9	4.8	103
125	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	3.4	22
124	Blastocyst development in single medium with or without renewal on day 3: a prospective cohort study on sibling donor oocytes in a time-lapse incubator. *Fertility and Sterility*, **2016**, 105, 707-713	4.8	29

123	Optimizing the culture environment and embryo manipulation to help maintain embryo developmental potential. *Fertility and Sterility*, **2016**, 105, 571-587	4.8	63
122	Time-lapse: the remaining questions to be answered. *Fertility and Sterility*, **2016**, 105, 295-6	4.8	9
121	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	4.8	19
120	Study of nucleation status in the second cell cycle of human embryo and its impact on implantation rate. *Fertility and Sterility*, **2016**, 106, 291-299.e2	4.8	21
119	Is there a relationship between time-lapse parameters and embryo sex?. *Fertility and Sterility*, **2015**, 103, 396-401.e2	4.8	34
118	New strategy for diagnosing embryo implantation potential by combining proteomics and time-lapse technologies. *Fertility and Sterility*, **2015**, 104, 908-914	4.8	38
117	Time-lapse in the IVF lab: how should we assess potential benefit?. *Human Reproduction*, **2015**, 30, 1276	5.7	3
116	Collapse of blastocysts is strongly related to lower implantation success: a time-lapse study. *Human Reproduction*, **2015**, 30, 2501-8	5.7	43
115	Morphokinetics as a predictor of self-correction to diploidy in tripronucleated intracytoplasmic sperm injection-derived human embryos. *Fertility and Sterility*, **2015**, 104, 728-35	4.8	11
114	What does morphokinetics add to embryo selection and in-vitro fertilization outcomes?. *Current Opinion in Obstetrics and Gynecology*, **2015**, 27, 193-200	2.4	27
113	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, 276-83	5.7	129
112	Systematic review on clinical outcomes following selection of human preimplantation embryos with time-lapse monitoring. *Human Reproduction Update*, **2015**, 21, 153-4	15.8	11
111	Diagnosis of human preimplantation embryo viability. *Human Reproduction Update*, **2015**, 21, 727-47	15.8	114
110	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	5	46
109	The human first cell cycle: impact on implantation. *Reproductive BioMedicine Online*, **2014**, 28, 475-84	4	59
108	Removal of annexin V-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, 1567-75.e1	4.8	48
107	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	4.8	215
106	Ethnicity as a determinant of ovarian reserve: differences in ovarian aging between Spanish and Indian women. *Fertility and Sterility*, **2014**, 102, 244-9	4.8	45

105	Increasing the probability of selecting chromosomally normal embryos by time-lapse morphokinetics analysis. *Fertility and Sterility*, **2014**, 101, 699-704	4.8	125
104	The type of GnRH analogue used during controlled ovarian stimulation influences early embryo developmental kinetics: a time-lapse study. *European Journal of Obstetrics, Gynecology and Reproductive Biology*, **2013**, 168, 167-72	2.4	64
103	Oocyte insemination techniques are related to alterations of embryo developmental timing in an oocyte donation model. *Reproductive BioMedicine Online*, **2013**, 27, 367-75	4	51
102	Is morphokinetic analysis the answer?. *Reproductive BioMedicine Online*, **2013**, 27, 654-63	4	48
101	A time to look back: analysis of morphokinetic characteristics of human embryo development. *Fertility and Sterility*, **2013**, 100, 1602-9.e1-4	4.8	53
100	PGE2 and PGF2 concentrations in human endometrial fluid as biomarkers for embryonic implantation. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, 4123-32	5.6	75
99	Assessment of sperm using mRNA microarray technology. *Fertility and Sterility*, **2013**, 99, 1008-22	4.8	25
98	Obesity reduces uterine receptivity: clinical experience from 9,587 first cycles of ovum donation with normal weight donors. *Fertility and Sterility*, **2013**, 100, 1050-8	4.8	135
97	Selection of high potential embryos using time-lapse imaging: the era of morphokinetics. *Fertility and Sterility*, **2013**, 99, 1030-4	4.8	99
96	Type of culture media does not affect embryo kinetics: a time-lapse analysis of sibling oocytes. *Human Reproduction*, **2013**, 28, 634-41	5.7	85
95	Similar morphokinetic patterns in embryos derived from obese and normoweight infertile women: a time-lapse study. *Human Reproduction*, **2013**, 28, 794-800	5.7	57
94	Session 57: Time lapse: the real revolution for ambryo assessment?. *Human Reproduction*, **2013**, 28, i87-i90	5.7	13
93	Predicting Embryo Implantation Potential Using Video Monitoring by the EmbryoScope Time-Lapse System **2013**, 391-405		
92	Processing Sperm Samples in HIV-Positive Patients **2013**, 47-59		
91	Antioxidants in ICSI **2013**, 397-413		
90	Real-Time Imaging Strategies to Improve Morphological Assessment **2013**, 45-53		1
89	Timing of cell division in human cleavage-stage embryos is linked with blastocyst formation and quality. *Reproductive BioMedicine Online*, **2012**, 25, 371-81	4	191
88	Limited implantation success of direct-cleaved human zygotes: a time-lapse study. *Fertility and Sterility*, **2012**, 98, 1458-63	4.8	222

87	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, 1481-9.e10	4.8	231
86	Dose of recombinant FSH and oestradiol concentration on day of HCG affect embryo development kinetics. *Reproductive BioMedicine Online*, **2012**, 25, 382-9	4	51
85	Full in vitro fertilization laboratory mechanization: toward robotic assisted reproduction?. *Fertility and Sterility*, **2012**, 97, 1277-86	4.8	39
84	Time-dependent O2 consumption patterns determined optimal time ranges for selecting viable human embryos. *Fertility and Sterility*, **2012**, 98, 849-57.e1-3	4.8	42
83	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		6
82	Antioxidants in ICSI **2012**, 439-448		
81	Time-lapse technology: evaluation of embryo quality and new markers for embryo selection. *Expert Review of Obstetrics and Gynecology*, **2012**, 7, 175-190		12
80	SESSION 69: EMBRYOLOGY - CAUSE AND EFFECT OF BAD TIMING. *Human Reproduction*, **2012**, 27, ii103-ii105	5.7	13
79	Processing Sperm Samples in HIV-Positive Patients **2012**, 221-228		
78	Evaluation of embryo quality: Time-lapse imaging to assess embryo morphokinesis **2012**, 254-265		
77	Effect of sperm DNA fragmentation on pregnancy outcome depends on oocyte quality. *Fertility and Sterility*, **2011**, 95, 124-8	4.8	127
76	Oxygen consumption is a quality marker for human oocyte competence conditioned by ovarian stimulation regimens. *Fertility and Sterility*, **2011**, 96, 618-623.e2	4.8	53
75	Adenomyosis does not affect implantation, but is associated with miscarriage in patients undergoing oocyte donation. *Fertility and Sterility*, **2011**, 96, 943-50	4.8	93
74	Report of results obtained in 2,934 women using donor sperm: donor insemination versus in vitro fertilization according to indication. *Fertility and Sterility*, **2011**, 96, 1134-7	4.8	15
73	Differential transcriptomic profile in spermatozoa achieving pregnancy or not via ICSI. *Reproductive BioMedicine Online*, **2011**, 22, 25-36	4	72
72	The use of morphokinetics as a predictor of embryo implantation. *Human Reproduction*, **2011**, 26, 2658-71	5.7	573
71	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, 569-73	3.4	153
70	Female obesity impairs in vitro fertilization outcome without affecting embryo quality. *Fertility and Sterility*, **2010**, 93, 447-54	4.8	232

69	Cigarette smoking affects specific sperm oxidative defenses but does not cause oxidative DNA damage in infertile men. *Fertility and Sterility*, **2010**, 94, 631-7	4.8	20
68	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, 958-64	4.8	23
67	Relevance of testicular sperm DNA oxidation for the outcome of ovum donation cycles. *Fertility and Sterility*, **2010**, 94, 979-88	4.8	7
66	Morphologic indicators predict the stage of chromatin condensation of human germinal vesicle oocytes recovered from stimulated cycles. *Fertility and Sterility*, **2010**, 93, 2557-64	4.8	18
65	The transcriptome of spermatozoa used in homologous intrauterine insemination varies considerably between samples that achieve pregnancy and those that do not. *Fertility and Sterility*, **2010**, 94, 1360-1373	4.8	57
64	Simultaneous determination in situ of DNA fragmentation and 8-oxoguanine in human sperm. *Fertility and Sterility*, **2010**, 93, 314-8	4.8	41
63	Storage of human oocytes in the vapor phase of nitrogen. *Fertility and Sterility*, **2010**, 94, 1903-7	4.8	95
62	Magnetic activated sorting selection (MACS) of non-apoptotic sperm (NAS) improves pregnancy rates in homologous intrauterine insemination (IUI). preliminary data. *Fertility and Sterility*, **2010**, 94, S14	4.8	11
61	Y chromosome microdeletions, sperm DNA fragmentation and sperm oxidative stress as causes of recurrent spontaneous abortion of unknown etiology. *Human Reproduction*, **2010**, 25, 1713-21	5.7	62
60	Use of cryo-banked oocytes in an ovum donation programme: a prospective, randomized, controlled, clinical trial. *Human Reproduction*, **2010**, 25, 2239-46	5.7	407
59	Ontological evaluation of transcriptional differences between sperm of infertile males and fertile donors using microarray analysis. *Journal of Assisted Reproduction and Genetics*, **2010**, 27, 111-20	3.4	19
58	Swim-up procedure selects spermatozoa with longer telomere length. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2010**, 688, 88-90	3.3	41
57	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. *Fertility and Sterility*, **2009**, 91, 148-56	4.8	49
56	Microarray analysis in sperm from fertile and infertile men without basic sperm analysis abnormalities reveals a significantly different transcriptome. *Fertility and Sterility*, **2009**, 91, 1307-10	4.8	89
55	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, 1638-45	4.8	40
54	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. *Fertility and Sterility*, **2009**, 92, 1012-1015	4.8	13
53	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	4.8	7
52	GnRH agonist versus recombinant HCG in an oocyte donation programme: a randomized, prospective, controlled, assessor-blind study. *Reproductive BioMedicine Online*, **2009**, 19, 486-92	4	92

51	The Male Gamete. *Reproductive Medicine and Assisted Reproductive Techniques Series*, **2009**, 82-95		
50	The Male Gamete. *Reproductive Medicine and Assisted Reproductive Techniques Series*, **2009**, 82-95		
49	Influence of paternal age on assisted reproduction outcome. *Reproductive BioMedicine Online*, **2008** , 17, 595-604	4	77
48	Contribution of sperm molecular features to embryo quality and assisted reproduction success. *Reproductive BioMedicine Online*, **2008**, 17, 855-65	4	44
47	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, 141-50	4.8	20
46	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	4.8	101
45	The effect of cancer on sperm DNA fragmentation as measured by the sperm chromatin dispersion test. *Fertility and Sterility*, **2008**, 90, 225-7	4.8	34
44	MUC1 in human testis and ejaculated spermatozoa and its relationship to male fertility status. *Fertility and Sterility*, **2008**, 90, 450-2	4.8	12
43	Biochemical markers of male infertility: the key role of DNA damage. *Expert Review of Obstetrics and Gynecology*, **2008**, 3, 565-576		
42	Endometrial receptivity and implantation are not affected by the presence of uterine intramural leiomyomas: a clinical and functional genomics analysis. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 3490-8	5.6	65
41	Ovarian stimulation length, number of follicles higher than 17 mm 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	4.1	3
40	The human sperm glutathione system: a key role in male fertility and successful cryopreservation. *Drug Metabolism Letters*, **2007**, 1, 121-6	2.1	22
39	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. *Fertility and Sterility*, **2007**, 88, 342-9	4.8	70
38	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, 523-5	4.8	38
37	Use of washed sperm for assisted reproduction in HIV-positive males without checking viral absence. A risky business?. *Human Reproduction*, **2006**, 21, 567-8; author reply 568	5.7	8
36	The significance of premature luteinization in an oocyte-donation programme. *Human Reproduction* , **2006**, 21, 1503-7	5.7	147
35	Value of the sperm chromatin dispersion test in predicting pregnancy outcome in intrauterine insemination: a blind prospective study. *Human Reproduction*, **2006**, 21, 738-44	5.7	87
34	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, 371-83	4.8	151

33	Sperm cryopreservation in oncological patients: a 14-year follow-up study. *Fertility and Sterility*, **2006**, 85, 640-5	4.8	102
32	Effect of sperm glutathione peroxidases 1 and 4 on embryo asymmetry and blastocyst quality in oocyte donation cycles. *Fertility and Sterility*, **2006**, 86, 1376-85	4.8	46
31	The effectiveness of modified sperm washes in severely oligoasthenozoospermic men infected with human immunodeficiency and hepatitis C viruses. *Fertility and Sterility*, **2006**, 86, 1544-6	4.8	14
30	Semen characteristics in human immunodeficiency virus (HIV)- and hepatitis C (HCV)-seropositive males: predictors of the success of viral removal after sperm washing. *Human Reproduction*, **2005**, 20, 1028-34	5.7	64
29	Smoking habits of parents and male: female ratio in spermatozoa and preimplantation embryos. *Human Reproduction*, **2005**, 20, 2517-22	5.7	19
28	ASSISTED REPRODUCTION IN HIV AND HCV INFECTED MEN OF SERODISCORDANT COUPLES. *Archives of Andrology*, **2004**, 50, 105-111		12
27	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. *Human Reproduction*, **2004**, 19, 2581-6	5.7	68
26	ASSISTED REPRODUCTION IN HIV AND HCV INFECTED MEN OF SERODISCORDANT COUPLES. *Archives of Andrology*, **2004**, 50, 105-111		4
25	Reproductive issues for persons with HIV. *American Journal of Obstetrics and Gynecology*, **2004**, 190, 1489; author reply 1489-90	6.4	1
24	Testicular sperm extraction (TESE) and intracytoplasmic sperm injection (ICSI) in hypogonadotropic hypogonadism with persistent azoospermia after hormonal therapy. *Journal of Assisted Reproduction and Genetics*, **2004**, 21, 91-4	3.4	13
23	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, 109-18	3.4	19
22	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, 445-51	3.4	42
21	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, 773-80		44
20	Role of cholesterol, calcium, and mitochondrial activity in the susceptibility for cryodamage after a cycle of freezing and thawing. *Fertility and Sterility*, **2004**, 81, 588-94	4.8	40
19	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 Suppl 3, 1059-66	4.8	67
18	Reply of the authors:. *Fertility and Sterility*, **2004**, 82, 515	4.8	1
17	Pro-oxidative and anti-oxidative imbalance in human semen and its relation with male fertility. *Asian Journal of Andrology*, **2004**, 6, 59-65	2.8	89
16	Testicular sperm extraction (TESE) and ICSI in patients with permanent azoospermia after chemotherapy. *Human Reproduction*, **2003**, 18, 1281-5	5.7	118

15	Transmembrane and truncated (SEC) isoforms of MUC1 in the human endometrium and Fallopian tube. *Reproductive Biology and Endocrinology*, **2003**, 1, 2	5	26
14	In vitro fertilization with intracytoplasmic sperm injection for human immunodeficiency virus-1 serodiscordant couples. *American Journal of Obstetrics and Gynecology*, **2002**, 187, 1121; author reply 1121-2	6.4	11
13	Gender selection: ethical, scientific, legal, and practical issues. *Journal of Assisted Reproduction and Genetics*, **2002**, 19, 443-6	3.4	4
12	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, 375-84	4.4	105
11	Flow cytometry in human reproductive biology. *Gynecological Endocrinology*, **2002**, 16, 505-521	2.4	7
10	Sperm and oocyte donor selection and management: experience of a 10 year follow-up of more than 2100 candidates. *Human Reproduction*, **2002**, 17, 3142-8	5.7	75
9	Comparison of polymerase chain reaction-dependent methods for determining the presence of human immunodeficiency virus and hepatitis C virus in washed sperm. *Fertility and Sterility*, **2002**, 78, 1199-202	4.8	58
8	The Endometrial Epithelium **2002**, 292-313		
7	MUCI, glycans and the cell-surface barrier to embryo implantation. *Biochemical Society Transactions*, **2001**, 29, 153-156	5.1	65
6	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	3.9	255
5	Timing does not influence outcomes in double intrauterine insemination. *Fertility and Sterility*, **2001** , 76, S248	4.8	2
4	Embryo-Maternal Dialogue in the Apposition and Adhesion Phases of Human Implantation **2001**, 199-209		
3	Increased adhesiveness in cultured endometrial-derived cells is related to the absence of moesin expression. *Biology of Reproduction*, **2000**, 63, 1370-6	3.9	63
2	MUC1 and endometrial receptivity. *Molecular Human Reproduction*, **1998**, 4, 1089-98	4.4	66
1	The male gamete30-45		