Comprehensive chromosomal analysis of human preim genome amplification and single cell comparative geno

Molecular Human Reproduction

6, 1055-1062

DOI: 10.1093/molehr/6.11.1055

Citation Report

#	Article	IF	Citations
1	Chromosomal checkup. Nature Biotechnology, 2000, 18, 1231-1231.	17.5	0
2	Preimplantation genetic diagnosis:experience of 3000 clinical cycles.. Reproductive BioMedicine Online, 2001, 3, 49-53.	2.4	54
3	Preimplantation genetic diagnosis: applications for molecular medicine. Trends in Molecular Medicine, 2001, 7, 23-30.	6.7	58
5	Differential chromosome behaviour in mammalian oocytes exposed to the tranquilizer diazepam in vitro. Mutagenesis, 2001, 16, 407-417.	2.6	29
6	Double locus analysis of chromosome 21 for preimplantation genetic diagnosis of aneuploidy. Prenatal Diagnosis, 2001, 21, 1080-1085.	2.3	52
8	Birth of a Healthy Infant after Preimplantation Confirmation of Euploidy by Comparative Genomic Hybridization. New England Journal of Medicine, 2001, 345, 1537-1541.	27.0	193
9	Single cell CGH analysis reveals a high degree of mosaicism in human embryos from patients with balanced structural chromosome aberrations. Molecular Human Reproduction, 2002, 8, 502-510.	2.8	62
10	Current concepts in preimplantation genetic diagnosis (PGD): a molecular biologist's view. Human Reproduction Update, 2002, 8, 11-20.	10.8	103
11	Multicolor FISH in two and three dimensions for clastogenic analyses. Mutagenesis, 2002, 17, 523-527.	2.6	7
12	DNA fingerprinting of sister blastomeres from human IVF embryos. Human Reproduction, 2002, 17, 752-759.	0.9	25
13	Preimplantation genetic diagnosis in clinical practice. Journal of Medical Genetics, 2002, 39, 6-11.	3.2	41
14	Chromosome abnormalities identified by comparative genomic hybridization in embryos from women with repeated implantation failure. Molecular Human Reproduction, 2002, 8, 1035-1041.	2.8	128
15	Increased expression of the cyclin-dependent kinase inhibitor p27 in cleavage-stage human embryos exhibiting developmental arrest. Molecular Human Reproduction, 2002, 8, 919-922.	2.8	9
16	Preimplantation genetic diagnosis. Current Opinion in Obstetrics and Gynecology, 2002, 14, 239-244.	2.0	27
17	Preimplantation Genetic Diagnosis. Clinical Obstetrics and Gynecology, 2002, 45, 640-648.	1.1	10
18	Developments in laboratory techniques for prenatal diagnosis. Current Opinion in Obstetrics and Gynecology, 2002, 14, 161-168.	2.0	15
19	First clinical application of comparative genomic hybridization and polar body testing for preimplantation genetic diagnosis of aneuploidy. Fertility and Sterility, 2002, 78, 543-549.	1.0	201
20	Diagnosis of trisomy 21 in preimplantation embryos by single-cell DNA fingerprinting. Reproductive BioMedicine Online, 2002, 4, 43-50.	2.4	19

#	Article	IF	Citations
21	Preimplantation genetic diagnosis of numerical and structural chromosome abnormalities. Reproductive BioMedicine Online, 2002, 4, 183-196.	2.4	169
22	Conception to ongoing pregnancy: the 'black box' of early pregnancy loss. Human Reproduction Update, 2002, 8, 333-343.	10.8	617
23	Female subfertility. Lancet, The, 2002, 360, 151-159.	13.7	582
24	Molecular Diagnostics in Preimplantation Genetic Diagnosis. Journal of Molecular Diagnostics, 2002, 4, 11-29.	2.8	72
25	The variability of female reproductive ageing. Human Reproduction Update, 2002, 8, 141-154.	10.8	980
26	Primer-Extension Preamplified DNA Is a Reliable Template for Genotyping. Clinical Chemistry, 2002, 48, 1601-1603.	3.2	18
27	Pre-implantation genetic diagnosis. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2002, 16, 659-670.	2.8	10
28	Whole genome amplification â€" applications and advances. Current Opinion in Biotechnology, 2002, 13, 65-67.	6.6	82
29	Preimplantation genetic diagnosis for aneuploidy screening in early human embryos: a review. Prenatal Diagnosis, 2002, 22, 512-518.	2.3	138
30	Cytogenetic analysis of human blastocysts. Prenatal Diagnosis, 2002, 22, 1143-1152.	2.3	72
31	Preimplantation genetic diagnosis. Nature Reviews Genetics, 2002, 3, 941-953.	16.3	206
32	Reproductive Options for Individuals at Risk for Transmission of a Genetic Disorder. JOGNN - Journal of Obstetric, Gynecologic, and Neonatal Nursing, 2002, 31, 193-199.	0.5	14
33	Ethical considerations on indications for gender selection in Japan. Journal of Assisted Reproduction and Genetics, 2002, 19, 420-425.	2.5	6
34	Perimenopausal Conception. Annals of the New York Academy of Sciences, 2003, 997, 93-104.	3.8	40
35	Is there any evidence for immunologically mediated or immunologically modifiable early pregnancy failure?. Journal of Assisted Reproduction and Genetics, 2003, 20, 63-72.	2.5	50
36	Mï¿½glichkeiten und Grenzen der Prï¿½implantationsdiagnostik. Gynakologische Endokrinologie, 2003, 1, 164-169.	0.1	1
37	Preimplantation Genetic Diagnosis and Human Implantation?A Review. Placenta, 2003, 24, S70-S76.	1.5	64
38	Implantation in Patients Over 40 and Raising FSH Levelsâ€"a Review. Placenta, 2003, 24, S34-S38.	1.5	9

#	Article	IF	Citations
39	Cytogenetics in reproductive medicine: The contribution of comparative genomic hybridization (CGH). BioEssays, 2003, 25, 289-300.	2.5	50
40	Materno-fetal Immunogenetic Disparity: The Biological Basis for In vitro Fertilization Treatment in Patients with Unexplained Recurrent Abortion?. American Journal of Reproductive Immunology, 2003, 50, 420-426.	1.2	9
41	Epithelial carcinogenesis: challenging monoclonality. Journal of Pathology, 2003, 200, 1-3.	4.5	18
42	Preimplantation genetic diagnosis of chromosome abnormalities: implications from the outcome for couples with chromosomal rearrangements. Prenatal Diagnosis, 2003, 23, 652-662.	2.3	54
43	Sequential FISH analysis of oocytes and polar bodies reveals aneuploidy mechanisms. Prenatal Diagnosis, 2003, 23, 663-668.	2.3	67
44	Karyotyping of human metaphase II oocytes by multifluor fluorescence in situ hybridization. Fertility and Sterility, 2003, 80, 1003-1011.	1.0	34
45	Preimplantation aneuploidy screening using comparative genomic hybridization or fluorescence in situ hybridization of embryos from patients with recurrent implantation failure. Fertility and Sterility, 2003, 80, 860-868.	1.0	151
46	Preimplantation diagnosis for aneuploidies using fluorescence in situ hybridization or comparative genomic hybridization. Fertility and Sterility, 2003, 80, 869-870.	1.0	14
47	Tribute to Georgeanna and Howard Jones. Reproductive BioMedicine Online, 2003, 6, 352-360.	2.4	5
48	Aspects of the molecular regulation of early mammalian development. Reproductive BioMedicine Online, 2003, 6, 97-113.	2.4	44
49	FISH analysis for chromosomes 13, 16, 18, 21, 22, X and Y in all blastomeres of IVF pre-embryos from 144 randomly selected donated human oocytes and impact on pre-embryo morphology. Human Reproduction, 2003, 18, 2575-2581.	0.9	102
50	Î² thalassaemia: fetal HLA typing. Lancet, The, 2003, 362, 6.	13.7	1
51	An evaluation of PGD in clinical genetic services through 3 years application for prevention of beta-thalassaemia major and sickle cell thalassaemia. Molecular Human Reproduction, 2003, 9, 301-307.	2.8	26
52	Incidence of Chromosomal Mosaicism in Human Embryos at Different Developmental Stages Analyzed by Fluorescence In Situ Hybridization. Genetic Testing and Molecular Biomarkers, 2003, 7, 85-95.	1.7	23
53	Chromosomally abnormal cells are not selected for the extra-embryonic compartment of the human preimplantation embryo at the blastocyst stage. Human Reproduction, 2003, 18, 2565-2574.	0.9	41
54	A modified cryopreservation method increases the survival of human biopsied cleavage stage embryos. Human Reproduction, 2003, 18, 568-571.	0.9	76
55	A morphological and chromosomal study of blastocysts developing from morphologically suboptimal human pre-embryos compared with control blastocysts. Human Reproduction, 2003, 18, 399-407.	0.9	99
56	The role of preimplantation genetic diagnosis in women of advanced reproductive age. Current Opinion in Obstetrics and Gynecology, 2003, 15, 233-238.	2.0	30

#	Article	IF	Citations
58	Aneuploidy detection in single cells using DNA array-based comparative genomic hybridization. Molecular Human Reproduction, 2004, 10, 283-289.	2.8	98
59	The development of cytogenetically normal, abnormal and mosaic embryos: a theoretical model. Human Reproduction Update, 2004, 10, 79-94.	10.8	103
60	Mitotic errors in chromosome 21 of human preimplantation embryos are associated with non-viability. Molecular Human Reproduction, 2004, 10, 143-147.	2.8	48
61	Fluorescence in situ hybridization analysis of two blastomeres from day 3 frozen-thawed embryos followed by analysis of the remaining embryo on day 5. Human Reproduction, 2004, 19, 685-693.	0.9	87
62	Reliability of comparative genomic hybridization to detect chromosome abnormalities in first polar bodies and metaphase II oocytes. Human Reproduction, 2004, 19, 2118-2125.	0.9	74
63	Multiple displacement amplification on single cell and possible PGD applications. Molecular Human Reproduction, 2004, 10, 847-852.	2.8	125
64	REVIEW: Pre-implantation genetic testing. BJOG: an International Journal of Obstetrics and Gynaecology, 2004, 111, 1165-1173.	2.3	27
65	Dilemmas encountered with preimplantation diagnosis of aneuploidy in human embryos. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2004, 44, 117-123.	1.0	6
66	Screening for aneuploidies of ten different chromosomes in two rounds of FISH: a short and reliable protocol. Prenatal Diagnosis, 2004, 24, 955-961.	2.3	24
67	Reevaluating confined placental mosaicism. American Journal of Medical Genetics Part A, 2004, 131A, 232-239.	2.4	55
68	Anaphase lagging mainly explains chromosomal mosaicism in human preimplantation embryos. Human Reproduction, 2004, 19, 316-324.	0.9	129
69	Towards preimplantation diagnosis of cystic fibrosis using microarrays. Reproductive BioMedicine Online, 2004, 8, 107-114.	2.4	21
70	Investigation of chromosomal imbalance in human embryos using comparative genomic hybridization. Reproductive BioMedicine Online, 2004, 8, 701-711.	2.4	32
71	Human embryo implantation: current knowledge and clinical implications in assisted reproductive technology. Reproductive BioMedicine Online, 2004, 9, 692-715.	2.4	116
72	Genetics of gametes and embryos. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2004, 115, S80-S84.	1.1	12
73	Advances in preimplantation genetic diagnosis. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2004, 115, S97-S101.	1.1	42
74	A randomized, double-blind, controlled trial of the effect of adding follicular fluid meiosis activating sterol in an ethanol formulation to donated human cumulus-enclosed oocytes before fertilization. Fertility and Sterility, 2004, 81, 42-50.	1.0	10
75	Preimplantation genetic diagnosis. Lancet, The, 2004, 363, 1633-1641.	13.7	332

#	Article	IF	Citations
77	Investigation and current management of recurrent IVF treatment failure in the UK. BJOG: an International Journal of Obstetrics and Gynaecology, 2005, 112, 773-780.	2.3	127
78	Non-invasive method to assess genotoxicity of nocodazole interfering with spindle formation in mammalian oocytes. Reproductive Toxicology, 2005, 19, 459-471.	2.9	34
79	The cytogenetics of preimplantation human development: insights provided by traditional and novel techniques. Chromosoma, 2005, 114, 295-299.	2.2	0
80	Chromosomal disorders and nuclear and cell destruction in cleaving human embryos. International Journal of Developmental Biology, 2005, 49, 409-416.	0.6	20
81	Preimplantation genetic diagnosis for chromosome abnormalities. , 2005, , .		0
82	Comparative genomic hybridization. , 2005, , .		0
83	Preimplantation genetic diagnosis and chromosome analysis of blastomeres using comparative genomic hybridization. Human Reproduction Update, 2005, 11, 33-41.	10.8	113
84	Preimplantation Genetic Diagnosisâ€"An Overview. Journal of Histochemistry and Cytochemistry, 2005, 53, 255-260.	2.5	70
85	Recently Available Techniques Applicable to Genetic Problems in the Middle East. Public Health Genomics, 2005, 8, 44-47.	1.0	1
86	Detailed FISH analysis of day 5 human embryos reveals the mechanisms leading to mosaic aneuploidy. Human Reproduction, 2005, 20, 129-137.	0.9	105
87	Sequential FISH analysis using competitive displacement of labelled peptide nucleic acid probes for eight chromosomes in human blastomeres. Human Reproduction, 2005, 20, 1072-1077.	0.9	17
88	In vitro oocyte maturation and subsequent delayed fertilization is associated with increased embryo aneuploidy. Fertility and Sterility, 2005, 84, 1027-1029.	1.0	39
89	Comparison of male and female meiotic segregation patterns in translocation heterozygotes: a case study in an animal model (Sus scrofa domestica L.). Human Reproduction, 2005, 20, 2476-2482.	0.9	24
90	Diploid-aneuploid mosaicism in human embryos cultured to the blastocyst stage. Fertility and Sterility, 2005, 84, 336-342.	1.0	63
91	Chromosome 21 mosaic human preimplantation embryos predominantly arise from diploid conceptions. Fertility and Sterility, 2005, 84, 634-643.	1.0	67
92	Mechanisms of aneuploidy induction in human oogenesis and early embryogenesis. Cytogenetic and Genome Research, 2005, 111, 237-244.	1.1	89
93	Fate of tetraploid cells in 4nâ†"2n chimeric mouse blastocysts. Mechanisms of Development, 2005, 122, 1266-1281.	1.7	39
94	Expression of genes regulating chromosome segregation, the cell cycle and apoptosis during human preimplantation development. Human Reproduction, 2005, 20, 1339-1348.	0.9	135

#	Article	IF	Citations
95	The Science behind 25 Years of Ovarian Stimulation for in Vitro Fertilization. Endocrine Reviews, 2006, 27, 170-207.	20.1	490
96	Comparative genomic hybridization analysis of human oocytes and polar bodies. Human Reproduction, 2006, 21, 2319-2328.	0.9	131
97	Chromosome abnormalities and their relationship to morphology and development of human embryos. Reproductive BioMedicine Online, 2006, 12, 234-253.	2.4	217
98	Prenatal diagnosis of chromosomal abnormalities using array-based comparative genomic hybridization. Genetics in Medicine, 2006, 8, 719-727.	2.4	154
99	The fate of mosaic aneuploid embryos during mouse development. Developmental Biology, 2006, 289, 384-394.	2.0	64
101	Application of preimplantation genetic diagnosis and screening in assisted reproduction. Expert Review of Obstetrics and Gynecology, 2006, 1, 103-110.	0.4	0
102	Complete cytogenetic investigation of oocytes from a young cancer patient with the use of comparative genomic hybridisation reveals meiotic errors. Prenatal Diagnosis, 2006, 26, 71-76.	2.3	17
103	Health and developmental outcome of children following prenatal diagnosis of confined placental mosaicism. Prenatal Diagnosis, 2006, 26, 443-448.	2.3	34
104	Accelerated decline in pregnancy rate afterin vitrofertilization and embryo transfer in 35-41-year-old women: 15Âyearsâ€™ experience in the Okinawa Islands, Japan. Reproductive Medicine and Biology, 2006, 5, 51-57.	2.4	2
105	Multiple displacement amplification to create a long-lasting source of DNA for genetic studies. Human Mutation, 2006, 27, 603-614.	2.5	95
106	Evidence of a high proportion of premature unbalanced separation of sister chromatids in the first polar bodies of women of advanced age. Human Reproduction, 2006, 21, 1172-1178.	0.9	52
107	Cryopreservation of biopsied embryos at the blastocyst stage. Human Reproduction, 2006, 21, 2656-2660.	0.9	40
108	Molecular cytogenetic studies towards the full karyotype analysis of human blastocysts and cytotrophoblasts. Cytogenetic and Genome Research, 2006, 114, 302-311.	1.1	16
109	A retrospective study of preimplantation embryos diagnosed with monosomy by fluorescence in situ hybridization (FISH). Cytogenetic and Genome Research, 2006, 114, 359-366.	1.1	12
110	Historical development of analysing large-scale changes in the human genome. Cytogenetic and Genome Research, 2006, 115, 198-204.	1.1	8
111	Preimplantation genetic screening reveals a high incidence of aneuploidy and mosaicism in embryos from young women undergoing IVF. Human Reproduction, 2006, 21, 223-233.	0.9	285
112	Molecular cytogenetics: making it safe for human embryonic stem cells to enter the clinic. Expert Review of Molecular Diagnostics, 2007, 7, 395-406.	3.1	8
113	Current value of preimplantation genetic aneuploidy screening in IVF. Human Reproduction Update, 2007, 13, 15-25.	10.8	69

#	Article	IF	Citations
114	Variable aneuploidy mechanisms in embryos from couples with poor reproductive histories undergoing preimplantation genetic screening. Human Reproduction, 2007, 22, 1844-1853.	0.9	77
115	Future genetic and other technologies for assessing embryos. Reproductive Medicine and Assisted Reproductive Techniques Series, 2007, , 287-300.	0.1	5
116	MECHANISMS OF ANEUPLOIDY INDUCTION IN HUMAN OOGENESIS AND EARLY EMBRYOGENESIS. Fetal and Maternal Medicine Review, 2007, 18, 85.	0.3	2
117	Chromosome stability differs in cloned mouse embryos and derivative ES cells. Developmental Biology, 2007, 308, 309-321.	2.0	38
118	Whole genome amplification from single cells in preimplantation genetic diagnosis and prenatal diagnosis. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2007, 131, 13-20.	1.1	45
119	Gender differences in germ-cell mutagenesis and genetic risk. Environmental Research, 2007, 104, 22-36.	7.5	12
120	Oocyte aneuploidy mechanisms are different in two situations of increased chromosomal risk: older patients and patients with recurrent implantation failure after in vitro fertilization. Fertility and Sterility, 2007, 87, 1333-1339.	1.0	29
121	High incidence of complex chromosome abnormality in cleavage embryos from patients with repeated implantation failure. Fertility and Sterility, 2007, 87, 1053-1058.	1.0	66
122	Analysis of the evolution of chromosome abnormalities in human embryos from Day 3 to 5 using CGH and FISH. Molecular Human Reproduction, 2007, 14, 117-125.	2.8	56
123	Reproductive oocyte/embryo genetic analysis: comparison between fluorescence in-situ hybridization and comparative genomic hybridization. Reproductive BioMedicine Online, 2007, 15, 303-309.	2.4	22
124	Molecular methods for selection of the ideal oocyte. Reproductive BioMedicine Online, 2007, 15, 346-353.	2.4	87
125	Ovarian Ageing and Fertility - Review. Current Women's Health Reviews, 2007, 3, 63-67.	0.2	0
126	FISH analysis of 15 chromosomes in human day 4 and 5 preimplantation embryos: the added value of extended aneuploidy detection. Prenatal Diagnosis, 2007, 27, 55-63.	2.3	40
127	Whole genome amplification from a single cell: a new era for preimplantation genetic diagnosis. Prenatal Diagnosis, 2007, 27, 297-302.	2.3	62
128	PGD for aneuploidy screening: an expensive hoax?. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2007, 21, 157-168.	2.8	14
129	Comparative Genomic Hybridization on Single Cells. Methods in Molecular Medicine, 2007, 132, 101-115.	0.8	4
130	Gender Determination and Detection of Aneuploidy in Single Cells Using DNA Array-Based Comparative Genomic Hybridization. Methods in Molecular Medicine, 2007, 132, 135-151.	0.8	9
131	Preimplantation genetic diagnosis: present and future. Journal of Assisted Reproduction and Genetics, 2007, 24, 201-207.	2.5	28

#	Article	IF	Citations
132	Nuclei size in relation to nuclear status and aneuploidy rate for 13 chromosomes in donated four cells embryos. Journal of Assisted Reproduction and Genetics, 2008, 25, 95-102.	2.5	26
133	Somatic mosaicism for copy number variation in differentiated human tissues. Human Mutation, 2008, 29, 1118-1124.	2.5	184
134	Preimplantation testing for chromosome aneuploidy. The Obstetrician and Gynaecologist, 2008, 10, 88-92.	0.4	0
135	Epigenetic inactivation of the RB1 gene as a factor of genomic instability: A possible contribution to etiology of chromosomal mosaicism during human embryo development. Russian Journal of Genetics, 2008, 44, 1266-1271.	0.6	7
137	Successful pregnancies after application of array-comparative genomic hybridization in PGS-aneuploidy screening. Reproductive BioMedicine Online, 2008, 17, 841-847.	2.4	112
138	Elucidating the origin of chromosomal aberrations in IVF embryos by preimplantation genetic analysis. Molecular and Cellular Endocrinology, 2008, 282, 112-119.	3.2	32
139	Enhanced polarizing microscopy as a new tool in aneuploidy research in oocytes. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 651, 131-140.	1.7	40
140	Use of comprehensive chromosomal screening for embryo assessment: microarrays and CGH. Molecular Human Reproduction, 2008, 14, 703-710.	2.8	164
141	Karyotypically Normal and Abnormal Human Embryonic Stem Cell Lines Derived from PGD-Analyzed Embryos. Cloning and Stem Cells, 2008, 10, 203-216.	2.6	40
142	Birth of a healthy boy after a double factor PGD in a couple carrying a genetic disease and at risk for aneuploidy: Case Report. Human Reproduction, 2008, 23, 1949-1956.	0.9	46
143	Can comparative genomic hybridization improvein vitrofertilization outcomes?. Expert Review of Obstetrics and Gynecology, 2008, 3, 51-58.	0.4	1
144	Comprehensive molecular cytogenetic analysis of the human blastocyst stage. Human Reproduction, 2008, 23, 2596-2608.	0.9	191
145	Primase-based whole genome amplification. Nucleic Acids Research, 2008, 36, e79-e79.	14.5	36
146	Nuclear organisation in totipotent human nuclei and its relationship to chromosomal abnormality. Journal of Cell Science, 2008, 121, 655-663.	2.0	16
147	Does confined placental mosaicism account for adverse perinatal outcomes in IVF pregnancies?. Human Reproduction, 2008, 23, 1107-1112.	0.9	15
148	Live birth following preimplantation genetic screening for trisomy 21. Should aneuploidy screening be offered to all older patients undergoing IVF?. Human Fertility, 2008, 11, 29-32.	1.7	2
149	Improving pregnancy outcome for IVF patients with preimplantation genetic screening. Expert Review of Obstetrics and Gynecology, 2008, 3, 635-646.	0.4	3
150	Preimplantation Genetic Diagnosis for Single-Gene Disorders. , 0, , 657-676.		0

#	Article	IF	Citations
153	What next for preimplantation genetic screening? Beyond aneuploidy. Human Reproduction, 2009, 24, 1538-1541.	0.9	17
154	NLRP7 mutations in women with diploid androgenetic and triploid moles: a proposed mechanism for mole formation. Human Molecular Genetics, 2009, 18, 888-897.	2.9	84
155	Approaches to improve the diagnosis and management of infertility. Human Reproduction Update, 2009, 15, 391-408.	10.8	74
157	IVF/ICSI with or without preimplantation genetic screening for aneuploidy in couples without genetic disorders: a systematic review and meta-analysis. Journal of Assisted Reproduction and Genetics, 2009, 26, 273-283.	2.5	47
158	Quantitative decision-making in preimplantation genetic (aneuploidy) screening (PGS). Journal of Assisted Reproduction and Genetics, 2009, 26, 487-502.	2.5	6
159	PGD for monogenic disorders: aspects of molecular biology. Prenatal Diagnosis, 2009, 29, 50-56.	2.3	55
160	Meiotic and mitotic behaviour of a ring/deleted chromosome 22 in human embryos determined by preimplantation genetic diagnosis for a maternal carrier. Molecular Cytogenetics, 2009, 2, 3.	0.9	11
161	Preimplantation genetic diagnosis. Clinical Genetics, 2009, 76, 315-325.	2.0	74
162	Levels of steroidogenic acute regulatory protein and mitochondrial membrane potential in granulosa cells of older poor-responder women. Fertility and Sterility, 2009, 91, 220-225.	1.0	9
163	Chromosomal instability in rhesus macaque preimplantation embryos. Fertility and Sterility, 2009, 91, 1230-1237.	1.0	21
164	Outcome of twin babies free of Von Hippelâ€“Lindau disease after a double-factor preimplantation genetic diagnosis: monogenetic mutation analysis and comprehensive aneuploidy screening. Fertility and Sterility, 2009, 91, 933.e1-933.e7.	1.0	28
166	Possibility of Clinical Application of Preimplantation Genetic Screening Following Blastomere Biopsy in Infertility Treatments. Journal of Mammalian Ova Research, 2009, 26, 207-213.	0.1	0
167	Prenatal findings and delineation ofde novoconcurrent partial trisomy 7q(7q31.2 â†' qter) and partial monosomy 6q(6q26 â†' qter) by high-resolution array CGH. Journal of Maternal-Fetal and Neonatal Medicine, 2009, 22, 1014-1020.	1.5	5
168	Chromosome instability is common in human cleavage-stage embryos. Nature Medicine, 2009, 15, 577-583.	30.7	710
169	The role of preimplantation genetic diagnosis in diagnosing embryo aneuploidy. Current Opinion in Obstetrics and Gynecology, 2009, 21, 442-449.	2.0	27
170	The role of assisted reproductive technology in the management of recurrent pregnancy loss. Current Opinion in Endocrinology, Diabetes and Obesity, 2009, 16, 459-463.	2.3	5
171	Human interphase chromosomes: a review of available molecular cytogenetic technologies. Molecular Cytogenetics, 2010, 3, 1.	0.9	105
172	Male and female meiotic behaviour of an intrachromosomal insertion determined by preimplantation genetic diagnosis. Molecular Cytogenetics, 2010, 3, 2.	0.9	9

#	Article	IF	Citations
173	Preimplantation genetic diagnosis at 20 years. Prenatal Diagnosis, 2010, 30, 682-695.	2.3	106
174	Diagnostic utility of arrayâ€based comparative genomic hybridization (aCGH) in a prenatal setting. Prenatal Diagnosis, 2010, 30, 1131-1137.	2.3	70
175	Comparable Low-Level Mosaicism in Affected and Non Affected Tissue of a Complex CDH Patient. PLoS ONE, 2010, 5, e15348.	2.5	12
176	Preimplantation Genetic Diagnosis. , 2010, , 485-500.		0
177	Transcriptomic profiling of human oocytes: association of meiotic aneuploidy and altered oocyte gene expression. Molecular Human Reproduction, 2010, 16, 570-582.	2.8	55
178	Occurrence of chromosomal aneuploidy in rabbit oocytes and embryos at different developmental stages. Zygote, 2010, 18, 203-207.	1.1	3
179	SNP microarray-based 24 chromosome aneuploidy screening is significantly more consistent than FISH. Molecular Human Reproduction, 2010, 16, 583-589.	2.8	140
180	Does additional hybridization also improve preimplantation genetic screening results?. Expert Review of Molecular Diagnostics, 2010, 10, 981-985.	3.1	4
181	The fate of the mosaic embryo: chromosomal constitution and development of Day 4, 5 and 8 human embryos. Human Reproduction, 2010, 25, 1916-1926.	0.9	103
182	Comprehensive analysis of karyotypic mosaicism between trophectoderm and inner cell mass. Molecular Human Reproduction, 2010, 16, 944-949.	2.8	148
183	SNP microarray-based 24 chromosome aneuploidy screening demonstrates that cleavage-stage FISH poorly predicts aneuploidy in embryos that develop to morphologically normal blastocysts. Molecular Human Reproduction, 2010, 16, 590-600.	2.8	199
184	The molecular basis of recurrent pregnancy loss: impaired natural embryo selection. Molecular Human Reproduction, 2010, 16, 886-895.	2.8	172
185	Polyploidy, Aneuploidy and the Evolution of Cancer. Advances in Experimental Medicine and Biology, 2010, 676, 1-13.	1.6	22
187	Preclinical validation of a microarray method for full molecular karyotyping of blastomeres in a 24-h protocol. Human Reproduction, 2010, 25, 1066-1075.	0.9	222
188	Somatic Genomic Variations in Early Human Prenatal Development. Current Genomics, 2010, 11, 397-401.	1.6	15
189	Technology requirements for preimplantation genetic diagnosis to improve assisted reproduction outcomes. Fertility and Sterility, 2010, 94, 408-430.	1.0	86
190	The cytogenetic constitution of embryos derived from immature (metaphase I) oocytes obtained after ovarian hyperstimulation. Fertility and Sterility, 2010, 94, 971-978.	1.0	32
191	Incidence of chromosomal mosaicism in morphologically normal nonhuman primate preimplantation embryos. Fertility and Sterility, 2010, 93, 2545-2550.	1.0	29

#	Article	IF	Citations
192	Clinical application of comprehensive chromosomal screening at the blastocyst stage. Fertility and Sterility, 2010, 94, 1700-1706.	1.0	293
193	Comprehensive chromosome screening of polar bodies and blastocysts from couples experiencing repeated implantation failure. Fertility and Sterility, 2010, 94, 875-887.	1.0	147
194	Sequential embryo scoring as a predictor of aneuploidy in poor-prognosis patients. Reproductive BioMedicine Online, 2010, 21, 381-390.	2.4	36
195	Chromosomes. , 2010, , 55-138.		2
197	What next for preimplantation genetic screening? A polar body approach!. Human Reproduction, 2010, 25, 575-577.	0.9	99
198	Cytogenetic analysis of human blastocysts with the use of FISH, CGH and aCGH: scientific data and technical evaluation. Human Reproduction, 2011, 26, 480-490.	0.9	255
199	In-vitro fertilization. Obstetrics, Gynaecology and Reproductive Medicine, 2011, 21, 303-310.	0.3	2
200	Whole-Chromosome Aneuploidy Analysis in Human Oocytes: Focus on Comparative Genomic Hybridization. Cytogenetic and Genome Research, 2011, 133, 119-126.	1.1	14
201	Inherited Aneuploidy: Germline Mosaicism. Cytogenetic and Genome Research, 2011, 133, 136-140.	1.1	28
202	The Human Cleavage Stage Embryo Is a Cradle of Chromosomal Rearrangements. Cytogenetic and Genome Research, 2011, 133, 160-168.	1.1	48
203	Predisposition to Aneuploidy in the Oocyte. Cytogenetic and Genome Research, 2011, 133, 127-135.	1.1	34
204	A Method for Generating Selective DNA Probes for the Analysis of C-Negative Regions in Human Chromosomes. Cytogenetic and Genome Research, 2011, 135, 1-11.	1.1	5
205	Structural chromosomal aberrations, aneuploidy, and mosaicism in early cleavage mouse embryos derived from spermatozoa exposed to Î³-rays. International Journal of Radiation Biology, 2011, 87, 320-329.	1.8	7
206	Comprehensive embryo analysis of advanced maternal ageâ€“related aneuploidies and mosaicism by short comparative genomic hybridization. Fertility and Sterility, 2011, 95, 413-416.	1.0	45
207	Validation of microarray comparative genomic hybridization for comprehensive chromosome analysis of embryos. Fertility and Sterility, 2011, 95, 953-958.	1.0	272
208	Isothermal DNA amplification in bioanalysis: strategies and applications. Bioanalysis, 2011, 3, 227-239.	1.5	151
209	Aneuploidy in the Human Cleavage Stage Embryo. Cytogenetic and Genome Research, 2011, 133, 141-148.	1.1	65
210	Aneuploidy in the Human Blastocyst. Cytogenetic and Genome Research, 2011, 133, 149-159.	1.1	129

#	Article	IF	Citations
211	Aneuploid human embryonic stem cells: origins and potential for modeling chromosomal disorders. Regenerative Medicine, 2011, 6, 493-503.	1.7	6
212	Chromosome Abnormalities in the Human Oocyte. Cytogenetic and Genome Research, 2011, 133, 107-118.	1.1	73
213	Problems of sperm fertility: A reproductive biologist's view. Systems Biology in Reproductive Medicine, 2011, 57, 102-114.	2.1	11
214	Increased incidence of mosaicism detected by FISH in murine blastocyst cultured in vitro. Reproductive BioMedicine Online, 2011, 22, 621-631.	2.4	10
215	The state of the art of in vitro fertilization. Frontiers in Bioscience - Elite, 2011, E3, 264-278.	1.8	3
216	Chromosomal mosaicism in human preimplantation embryos: a systematic review. Human Reproduction Update, 2011, 17, 620-627.	10.8	234
217	PGS-FISH in reproductive medicine and perspective directions for improvement: a systematic review. Journal of Assisted Reproduction and Genetics, 2011, 28, 747-757.	2.5	12
218	Breakage-fusion-bridge cycles leading to inv dup del occur in human cleavage stage embryos. Human Mutation, 2011, 32, 783-793.	2.5	60
219	First births after preimplantation genetic diagnosis of structural chromosome abnormalities using comparative genomic hybridization and microarray analysis. Human Reproduction, 2011, 26, 1560-1574.	0.9	151
220	PGD for a complex chromosomal rearrangement by array comparative genomic hybridization. Human Reproduction, 2011, 26, 941-949.	0.9	47
221	Single-cell whole-genome amplification technique impacts the accuracy of SNP microarray-based genotyping and copy number analyses. Molecular Human Reproduction, 2011, 17, 335-343.	2.8	97
222	Polar body array CGH for prediction of the status of the corresponding oocyte. Part I: clinical results. Human Reproduction, 2011, 26, 3173-3180.	0.9	179
223	The cytogenetics of polar bodies: insights into female meiosis and the diagnosis of aneuploidy. Molecular Human Reproduction, 2011, 17, 286-295.	2.8	134
224	A role for Aurora C in the chromosomal passenger complex during human preimplantation embryo development. Human Reproduction, 2011, 26, 1868-1881.	0.9	58
225	Preimplantation Genetic Diagnosis for Aneuploidy and Translocations Using Array Comparative Genomic Hybridization. Current Genomics, 2012, 13, 463-470.	1.6	73
226	Follicular fluid protein content (FSH, LH, PG4, E2 and AMH) and polar body aneuploidy. Journal of Assisted Reproduction and Genetics, 2012, 29, 1123-1134.	2.5	10
227	Extensive genetic variation in somatic human tissues. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18018-18023.	7.1	136
228	Origins and rates of aneuploidy inÂhuman blastomeres. Fertility and Sterility, 2012, 97, 395-401.	1.0	110

#	Article	IF	Citations
230	Meiotic errors followed by two parallel postzygotic trisomy rescue events are a frequent cause of constitutional segmental mosaicism. Molecular Cytogenetics, 2012, 5, 19.	0.9	19
231	Selection of single blastocysts for fresh transfer via standard morphology assessment alone and with array CGH for good prognosis IVF patients: results from a randomized pilot study. Molecular Cytogenetics, 2012, 5, 24.	0.9	488
232	Moderate Ovarian Stimulation Does Not Increase the Incidence of Human Embryo Chromosomal Abnormalities inin VitroFertilization Cycles. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1987-E1994.	3.6	67
233	Chromosome Breakage in Human Preimplantation Embryos from Carriers of Structural Chromosomal Abnormalities in Relation to Fragile Sites, Maternal Age, and Poor Sperm Factors. Cytogenetic and Genome Research, 2012, 136, 21-29.	1.1	10
234	Molecular origin of mitotic aneuploidies in preimplantation embryos. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1921-1930.	3.8	119
235	Chromosomal disorders and male infertility. Asian Journal of Andrology, 2012, 14, 32-39.	1.6	144
236	Embryos of Robertsonian Translocation Carriers Exhibit a Mitotic Interchromosomal Effect That Enhances Genetic Instability during Early Development. PLoS Genetics, 2012, 8, e1003025.	3.5	70
237	New array approaches to explore single cells genomes. Frontiers in Genetics, 2012, 3, 44.	2.3	20
238	Implications of aneuploidy for stem cell biology and brain therapeutics. Frontiers in Cellular Neuroscience, 2012, 6, 36.	3.7	21
239	Array comparative genomic hybridization screening in IVF significantly reduces number of embryos available for cryopreservation. Clinical and Experimental Reproductive Medicine, 2012, 39, 52.	1.5	9
240	The ESHRE PGD Consortium: 10 years of data collection. Human Reproduction Update, 2012, 18, 234-247.	10.8	264
241	Is monosomy 21 rare? Seven early miscarriages including one mosaic 45,XX,â€21/44,X,â€21 in a single study population. American Journal of Medical Genetics, Part A, 2012, 158A, 2050-2052.	1.2	5
242	Methods for comprehensive chromosome screening of oocytes and embryos: capabilities, limitations, and evidence of validity. Journal of Assisted Reproduction and Genetics, 2012, 29, 381-390.	2.5	43
243	Preimplantation genetic diagnosis: State of the ART 2011. Human Genetics, 2012, 131, 175-186.	3.8	177
244	Comprehensive chromosome analysis of blastocysts before implantation using array CGH. Molecular Cytogenetics, 2013, 6, 22.	0.9	8
245	False positive rate of an arrayCGH platform for single-cell preimplantation genetic screening and subsequent clinical application on day-3. Journal of Assisted Reproduction and Genetics, 2013, 30, 143-149.	2.5	36
246	Fetal Loss. , 2013, , 1-21.		2
247	Genomic Analysis of hESC Pedigrees Identifies De Novo Mutations and Enables Determination of the Timing and Origin of Mutational Events. Cell Reports, 2013, 4, 1288-1302.	6.4	10

#	Article	IF	Citations
248	Preimplantation Genetic Screening (PGS) with Comparative Genomic Hybridization (CGH) following day 3 single cell blastomere biopsy markedly improves IVF outcomes while lowering multiple pregnancies and miscarriages. Journal of Assisted Reproduction and Genetics, 2013, 30, 1333-1339.	2.5	57
249	The motile and invasive capacity of human endometrial stromal cells: implications for normal and impaired reproductive function. Human Reproduction Update, 2013, 19, 542-557.	10.8	140
250	Selection of euploid blastocysts for cryopreservation with array comparative genomic hybridization (aCGH) results in increased implantation rates in subsequent frozen and thawed embryo transfer cycles. Molecular Cytogenetics, 2013, 6, 32.	0.9	42
251	Microarray analysis reveals abnormal chromosomal complements in over 70% of 14 normally developing human embryos. Human Reproduction, 2013, 28, 256-264.	0.9	167
252	Evolution of aneuploidy up to Day 4 of human preimplantation development. Human Reproduction, 2013, 28, 1716-1724.	0.9	53
253	Single thawed euploid embryo transfer improves IVF pregnancy, miscarriage, and multiple gestation outcomes and has similar implantation rates as egg donation. Journal of Assisted Reproduction and Genetics, 2013, 30, 259-264.	2.5	52
254	The impact of next-generation sequencing technology on preimplantation genetic diagnosis and screening. Fertility and Sterility, 2013, 99, 1054-1061.e3.	1.0	71
255	Chromosomal integrity of human preimplantation embryos at different days post fertilization. Journal of Assisted Reproduction and Genetics, 2013, 30, 633-648.	2.5	18
256	The origin and impact of embryonic aneuploidy. Human Genetics, 2013, 132, 1001-1013.	3.8	236
257	FISH reanalysis of inner cell mass and trophectoderm samples of previously array-CGH screened blastocysts shows high accuracy of diagnosis and no major diagnostic impact of mosaicism at the blastocyst stage. Human Reproduction, 2013, 28, 2298-2307.	0.9	161
258	Sequential comprehensive chromosome analysis on polar bodies, blastomeres and trophoblast: insights into female meiotic errors and chromosomal segregation in the preimplantation window of embryo development. Human Reproduction, 2013, 28, 509-518.	0.9	179
259	Meeting the methodological challenges in molecular mapping of the embryonic epigenome. Molecular Human Reproduction, 2013, 19, 809-827.	2.8	11
260	Use of Comparative Genomic Hybridisation (CGH) and Microarray-CGH for Preimplantation Genetic Screening. , 2013, , 147-155.		1
261	The origins of genetic variation between individual human oocytes and embryos: implications for infertility. Human Fertility, 2013, 16, 241-245.	1.7	14
262	Current issues in medically assisted reproduction and genetics in Europe: research, clinical practice, ethics, legal issues and policy. European Journal of Human Genetics, 2013, 21, S1-S21.	2.8	120
263	Temporal and Developmental-Stage Variation in the Occurrence of Mitotic Errors in Tripronuclear Human Preimplantation Embryos1. Biology of Reproduction, 2013, 89, 42.	2.7	5
264	Relative contribution of advanced age and reduced follicle pool size on reproductive success. , 0, , 318-329.		1
265	Polar body screening for aneuploidy in human oocytes. , 0, , 409-419.		0

#	Article	IF	Citations
266	Mitochondrial Toxicity in Human Pregnancy: An Update on Clinical and Experimental Approaches in the Last 10 Years. International Journal of Environmental Research and Public Health, 2014, 11, 9897-9918.	2.6	24
267	OMICS: Current and future perspectives in reproductive medicine and technology. Journal of Human Reproductive Sciences, 2014, 7, 73.	0.9	64
268	Comparative Genomic Hybridization Selection of Blastocysts for Repeated Implantation Failure Treatment: A Pilot Study. BioMed Research International, 2014, 2014, 1-10.	1.9	60
269	Array comparative genomic hybridization analyses of all blastomeres of a cohort of embryos from young IVF patients revealed significant contribution of mitotic errors to embryo mosaicism at the cleavage stage. Reproductive Biology and Endocrinology, 2014, 12, 105.	3.3	51
270	A Quantitative Comparison of Single-Cell Whole Genome Amplification Methods. PLoS ONE, 2014, 9, e105585.	2.5	259
271	Gamete and Embryo Manipulation. , 2014, , 774-790.e9.		1
272	A novel whole genome amplification method using type IIS restriction enzymes to create overhangs with random sequences. Journal of Biotechnology, 2014, 184, 1-6.	3.8	4
273	The origin, mechanisms, incidence and clinical consequences of chromosomal mosaicism in humans. Human Reproduction Update, 2014, 20, 571-581.	10.8	303
274	Rescue intracytoplasmic sperm injection: a systematic review. Fertility and Sterility, 2014, 101, 690-698.	1.0	55
275	Correlation between standard blastocyst morphology, euploidy and implantation: an observational study in two centers involving 956 screened blastocysts. Human Reproduction, 2014, 29, 1173-1181.	0.9	419
276	Morphological and cytogenetic assessment of cleavage and blastocyst stage embryos. Molecular Human Reproduction, 2014, 20, 117-126.	2.8	151
277	Blastocyst euploidy and implantation rates in a young (<35Âyears) and old (â‰¥35Âyears) presumed fertile and infertile patient population. Fertility and Sterility, 2014, 102, 1318-1323.	1.0	12
278	Comparison of aneuploidy, pregnancy and live birth rates between day 5 and day 6 blastocysts. Reproductive BioMedicine Online, 2014, 29, 305-310.	2.4	68
279	Validation of multiple annealing and looping-based amplification cycle sequencing for 24-chromosome aneuploidy screening of cleavage-stage embryos. Fertility and Sterility, 2014, 102, 1685-1691.	1.0	31
281	Correlation between embryo morphology and development and chromosomal complement. Asian Pacific Journal of Reproduction, 2014, 3, 85-89.	0.4	3
282	Embryonic aneuploidy: overcoming molecular genetics challenges improves outcomes and changes practice patterns. Trends in Molecular Medicine, 2014, 20, 499-508.	6.7	9
283	Selection of competent blastocysts for transfer by combining time-lapse monitoring and array CGH testing for patients undergoing preimplantation genetic screening: a prospective study with sibling oocytes. BMC Medical Genomics, 2014, 7, 38.	1.5	91
284	Does the S phase have an impact on the accuracy of comparative genomic hybridization profiles in single fibroblasts and human blastomeres?. Fertility and Sterility, 2014, 101, 488-495.e3.	1.0	12

#	Article	IF	Citations
285	Advances in preimplantation genetic diagnosis/screening. Science China Life Sciences, 2014, 57, 665-671.	4.9	13
286	Human molecular cytogenetics: from cells to nucleotides. Genetics and Molecular Biology, 2014, 37, 194-209.	1.3	55
288	Irregular cleavage of early preimplantation human embryos: characteristics of patients and pregnancy outcomes. Journal of Assisted Reproduction and Genetics, 2015, 32, 1811-1815.	2.5	21
289	Double-factor preimplantation genetic diagnosis: monogenic and cytogenetic diagnoses analyzing a single blastomere. Prenatal Diagnosis, 2015, 35, 1301-1307.	2.3	3
290	Chromosome constitution of human embryos generated after in vitro maturation including 3-isobutyl-1-methylxanthine in the oocyte collection medium. Human Reproduction, 2015, 30, 653-663.	0.9	36
291	Preimplantation Embryo Development and Primordial Germ Cell Lineage Specification. , 2015, , 233-265.		3
292	Common variants spanning PLK4 are associated with mitotic-origin aneuploidy in human embryos. Science, 2015, 348, 235-238.	12.6	106
293	Principles of Whole-Genome Amplification. Methods in Molecular Biology, 2015, 1347, 1-14.	0.9	11
294	The Development of PGD. , 2015, , 1-4.		0
295	Array CGH and Partial Genome Sequencing for Rapidly Karyotyping IVF Blastocysts Before Single Transfer. , 2015, , 163-178.		0
296	Comprehensive Chromosomal Screening from Polar Body Biopsy to Blastocyst Trophectoderm Sampling: Evidences and Considerations. , 2015, , 89-102.		1
297	Validation of next-generation sequencing for comprehensive chromosome screening of embryos. Reproductive BioMedicine Online, 2015, 31, 760-769.	2.4	107
298	Randomized comparison of next-generation sequencing and array comparative genomic hybridization for preimplantation genetic screening: a pilot study. BMC Medical Genomics, 2015, 8, 30.	1.5	58
299	Comprehensive preimplantation genetic screening and sperm deoxyribonucleic acid fragmentation from three males carrying balanced chromosome rearrangements. Fertility and Sterility, 2015, 104, 681-687.e2.	1.0	4
300	Mammalian pre-implantation chromosomal instability: species comparison, evolutionary considerations, and pathological correlations. Systems Biology in Reproductive Medicine, 2015, 61, 321-335.	2.1	24
301	Human embryos commonly form abnormal nuclei during development: a mechanism of DNA damage, embryonic aneuploidy, and developmental arrest. Human Reproduction, 2016, 31, dev281.	0.9	57
302	Bioanalytical applications of isothermal nucleic acid amplification techniques. Analytica Chimica Acta, 2015, 853, 30-45.	5.4	160
303	The Impact of Biopsy on Human Embryo Developmental Potential during Preimplantation Genetic Diagnosis. BioMed Research International, 2016, 2016, 1-10.	1.9	137

#	Article	IF	Citations
304	Preimplantation genetic diagnosis: an update on current technologies and ethical considerations. Reproductive Medicine and Biology, 2016, 15, 69-75.	2.4	14
305	Pre-Implantation Genetic Screening Techniques: Implications for Clinical Prenatal Diagnosis. Fetal Diagnosis and Therapy, 2016, 40, 241-254.	1.4	17
306	Time-lapse embryo imaging and morphokinetic profiling: Towards a general characterisation of embryogenesis. Animal Reproduction Science, 2016, 174, 2-10.	1.5	16
307	Pre-implantation genetic testing in ART: who will benefit and what is the evidence?. Journal of Assisted Reproduction and Genetics, 2016, 33, 1273-1278.	2.5	32
308	Management of a Preimplantation Genetic Diagnosis and Screening Service. , 2016, , 179-192.		0
309	Detecting mosaicism in trophectoderm biopsies: current challenges and future possibilities. Human Reproduction, 2017, 32, 492-498.	0.9	82
310	Preimplantation genetic diagnosis: an overview and recent advances. The Obstetrician and Gynaecologist, 2016, 18, 99-106.	0.4	7
311	The origin and significance of additional aneuploidy events in couples undergoing preimplantation genetic diagnosis for translocations by array comparative genomic hybridization. Reproductive BioMedicine Online, 2016, 32, 178-189.	2.4	12
312	Effects of maternal age on euploidy rates inÂa large cohort of embryos analyzedÂwith 24-chromosome single-nucleotide polymorphismâ€“based preimplantation genetic screening. Fertility and Sterility, 2016, 105, 1307-1313.	1.0	131
313	Chromosome Aberrations and Fertility Disorders in Domestic Animals. Annual Review of Animal Biosciences, 2016, 4, 15-43.	7.4	65
314	Preâ€implantation genetic screening among women experiencing recurrent failure of in vitro fertilization. International Journal of Gynecology and Obstetrics, 2017, 137, 314-318.	2.3	13
315	Current experience concerning mosaic embryos diagnosed during preimplantation genetic screening. Fertility and Sterility, 2017, 107, 1113-1119.	1.0	41
316	Karyomapping: a single centre's experience from application of methodology to ongoing pregnancy and live-birth rates. Reproductive BioMedicine Online, 2017, 35, 264-271.	2.4	23
317	Detection of mosaicism at blastocyst stage with the use of high-resolution next-generation sequencing. Fertility and Sterility, 2017, 107, 1085-1091.	1.0	164
318	Comprehensive chromosome screening and gene expression analysis from the same biopsy in human preimplantation embryos. Molecular Human Reproduction, 2017, 23, 330-338.	2.8	4
319	Analysis of implantation and ongoing pregnancy rates following the transfer of mosaic diploidâ€“aneuploid blastocysts. Human Genetics, 2017, 136, 805-819.	3.8	190
320	Hyperspectral microscopy can detect metabolic heterogeneity within bovine post-compaction embryos incubated under two oxygen concentrations (7% versus 20%). Human Reproduction, 2017, 32, 2016-2025.	0.9	33
321	Identification of mosaic and segmental aneuploidies by next-generation sequencing in preimplantation genetic screening can improve clinical outcomes compared to array-comparative genomic hybridization. Molecular Cytogenetics, 2017, 10, 14.	0.9	56

#	Article	IF	Citations
322	Type of chromosome abnormality affects embryo morphology dynamics. Fertility and Sterility, 2017, 107, 229-235.e2.	1.0	72
323	Diagnosis and clinical management of embryonic mosaicism. Fertility and Sterility, 2017, 107, 6-11.	1.0	74
324	Preimplantation genetic diagnosis for chromosomal rearrangements with the use of array comparative genomic hybridization at the blastocyst stage. Fertility and Sterility, 2017, 107, 212-219.e3.	1.0	16
325	The incidence and origin of segmental aneuploidy in human oocytes and preimplantation embryos. Human Reproduction, 2017, 32, 2549-2560.	0.9	101
326	Chromosomal Abnormalities in Preimplantation Embryos and Detection Strategies in PGD and PGS. , 2017, , .		0
327	Full Karyotype Interphase Cell Analysis. Journal of Histochemistry and Cytochemistry, 2018, 66, 595-606.	2.5	5
328	Cleavage-stage embryo micromanipulation in the clinical setting. Systems Biology in Reproductive Medicine, 2018, 64, 157-168.	2.1	14
329	Extent of chromosomal mosaicism influences the clinical outcomeÂofÂinÂvitro fertilization treatments. Fertility and Sterility, 2018, 109, 77-83.	1.0	161
330	Day 5 versus day 3 embryo biopsy for preimplantation genetic testing for monogenic/single gene defects. The Cochrane Library, 0, , .	2.8	1
331	Somatic Mutagenesis in Mammals and Its Implications for Human Disease and Aging. Annual Review of Genetics, 2018, 52, 397-419.	7.6	83
332	Should every embryo undergo preimplantation genetic testing for aneuploidy? A review of the modern approach to inÂvitro fertilization. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2018, 53, 38-47.	2.8	32
333	Genetic Selection of the Human Embryos: From FISH to NGS, Past and Future. , 2018, , 227-242.		4
334	What to do when good-quality embryos repeatedly fail to implant. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2018, 53, 48-59.	2.8	26
335	The pros and cons of preimplantation genetic testing for aneuploidy: clinical and laboratory perspectives. Fertility and Sterility, 2018, 110, 353-361.	1.0	49
336	Preimplantation Genetic Diagnosis to Improve Pregnancy Outcome. , 2018, , 337-352.		0
337	Current and Novel Methods for Chromosome Testing. , 2019, , 603-612.		0
338	How common is germinal mosaicism that leads to premeiotic aneuploidy in the female?. Journal of Assisted Reproduction and Genetics, 2019, 36, 2403-2418.	2.5	9
339	Preimplantation genetic testing in assisted reproductive technology. Panminerva Medica, 2019, 61, 30-41.	0.8	8

#	Article	IF	Citations
340	PolkÃ¶rper- und PrÃimplantationsdiagnostik. Springer Reference Medizin, 2019, , 1-18.	0.0	0
341	Aneuploidy Rates Inversely Correlate with Implantation during In Vitro Fertilization Procedures: In Favor of PGT. , 0, , .		3
342	Healthy live births after mosaic blastocyst transfers with the use of next-generation sequencing. Taiwanese Journal of Obstetrics and Gynecology, 2019, 58, 872-876.	1.3	8
343	The cytogenetic constitution of human blastocysts: insights from comprehensive chromosome screening strategies. Human Reproduction Update, 2019, 25, 15-33.	10.8	87
344	Chromosome constitution of equal-sized three-cell embryos using next-generation sequencing technology. Journal of Assisted Reproduction and Genetics, 2019, 36, 307-314.	2.5	1
345	Overview of Preimplantation Genetic Diagnosis (PGD): Historical Perspective and Future Direction. Methods in Molecular Biology, 2019, 1885, 23-43.	0.9	22
346	Preimplantation Genetic Testing for Chromosomal Abnormalities: Aneuploidy, Mosaicism, and Structural Rearrangements. Genes, 2020, 11, 602.	2.4	72
347	Chromosomal mosaicism in human blastocysts: the ultimate diagnostic dilemma. Human Reproduction Update, 2020, 26, 313-334.	10.8	105
348	Permanence of de novo segmental aneuploidy in sequential embryo biopsies. Human Reproduction, 2020, 35, 759-769.	0.9	8
349	Aneuploid embryo transfer: clinical policies and provider opinions at United States fertility clinics. Fertility and Sterility, 2020, 114, 110-117.	1.0	6
350	Trophectoderm biopsy for preimplantation genetic test and technical tips: A review. Reproductive Medicine and Biology, 2020, 19, 222-231.	2.4	24
351	MicroRNA-21 as a regulator of human cumulus cell viability and its potential influence on the developmental potential of the oocyte. Biology of Reproduction, 2020, 103, 94-103.	2.7	24
352	Preimplantation Genetic Testing â€“ A small walk through â€“ A review. Materials Today: Proceedings, 2021, 45, 1701-1706.	1.8	1
354	Individualized Genetic Testing. , 2021, , 79-95.		0
355	Whether to transfer mosaic embryos: a cytogenetic view of true mosaicism by amniocentesis. Reproductive BioMedicine Online, 2021, 43, 33-43.	2.4	1
356	Segmental duplications and monosomies are linked to in vitro developmental arrest. Journal of Assisted Reproduction and Genetics, 2021, 38, 2183-2192.	2.5	3
357	Experience analysing over 190,000 embryo trophectoderm biopsies using a novel FAST-SeqS preimplantation genetic testing assay. Reproductive BioMedicine Online, 2022, 44, 228-238.	2.4	8
358	Impact of true fetal mosaicism on prenatal screening and diagnosis. Annals of the Academy of Medicine, Singapore, 2021, 50, 578-579.	0.4	0

#	Article	IF	Citations
359	ARMS Net: Overlapping chromosome segmentation based on Adaptive Receptive field Multi-Scale network. Biomedical Signal Processing and Control, 2021, 68, 102811.	5.7	10
360	Abnormal cleavage is involved in the self-correction of bovine preimplantation embryos. Biochemical and Biophysical Research Communications, 2021, 562, 76-82.	2.1	4
361	Dual spindles assemble in bovine zygotes despite the presence of paternal centrosomes. Journal of Cell Biology, 2021, 220, .	5.2	23
362	IVF embryo choices and pregnancy outcomes. Prenatal Diagnosis, 2021, 41, 1709-1717.	2.3	14
363	Evidence-based clinical prioritization of embryos with mosaic results: a systematic review and meta-analysis. Journal of Assisted Reproduction and Genetics, 2021, 38, 2849-2860.	2.5	12
364	Microarrays and CGH for PGD of Chromosome Abnormalities and Gene Defects. , 2012, , 483-490.		1
365	What is the Role of Mitochondria in Embryo Competency?. , 2004, , 273-289.		5
366	PolkÃ¶rper- und PrÃimplantationsdiagnostik. , 2013, , 269-286.		2
367	PrÃimplantationsdiagnostik. , 2014, , 303-313.		1
368	Ageing and Aneuploidy in Oocytes. , 2002, , 111-136.		3
369	PolkÃ¶rper- und PrÃimplantationsdiagnostik. Springer Reference Medizin, 2020, , 269-286.	0.0	2
370	Human Embryo Morphology and Developmental Capacity. , 2002, , 1-31.		7
371	Next-generation sequencing analysis of each blastomere in good-quality embryos: insights into the origins and mechanisms of embryonic aneuploidy in cleavage-stage embryos. Journal of Assisted Reproduction and Genetics, 2020, 37, 1711-1718.	2.5	7
372	Preimplantation genetic diagnosis: the future. , 0, , 274-285.		3
373	The dawn of the future: 30Âyears from the first biopsy of a human embryo. The detailed history of an ongoing revolution. Human Reproduction Update, 2020, 26, 453-473.	10.8	35
376	Oligonucleotide Arrays vs. Metaphase-Comparative Genomic Hybridisation and BAC Arrays for Single-Cell Analysis: First Applications to Preimplantation Genetic Diagnosis for Robertsonian Translocation Carriers. PLoS ONE, 2014, 9, e113223.	2.5	6
377	Meiotic nondisjunction and sperm aneuploidy in humans. Reproduction, 2018, 157, R15-R31.	2.6	30
378	PREIMPLANTATION GENETIC TESTING: Single-cell technologies at the forefront of PGT and embryo research. Reproduction, 2020, 160, A19-A31.	2.6	10

#	Article	IF	Citations
379	Frequency of chromosomal aneuploidy in high quality embryos from young couples using preimplantation genetic screening. International Journal of Reproductive BioMedicine, 2017, 15, 297-304.	0.9	8
380	Chromosomal status of human embryos. Reproductive Medicine and Assisted Reproductive Techniques Series, 2007, , 209-234.	0.1	3
381	Preimplantation Genetic Diagnosis: Prenatal Testing for Embryos Finally Achieving Its Potential. Journal of Clinical Medicine, 2014, 3, 280-309.	2.4	44
382	Embryo genome profiling by single-cell sequencing for successful preimplantation genetic diagnosis in a family harboring COL4A1 c.1537G>A; p.G513S mutation. Journal of Human Reproductive Sciences, 2016, 9, 200.	0.9	3
383	Assessment of 19,803 Paired Chromosomes and Clinical Outcome from First 150 Cycles using Array CGH of the First Polar Body for Embryo Selection and Transfer. Journal of Fertilization in Vitro, 2012, 01, .	0.2	2
384	Role of Preimplantation Genetic Diagnosis (PGD) in Current Infertility Practice. International Journal of Infertility and Fetal Medicine, 2010, 1, 1-10.	0.1	10
385	Effect of Maternal Age on Chromosome Aberrations and Telomere Quantity in Chick Embryos. Korean Journal of Poultry Science, 2009, 36, 293-300.	0.3	2
386	Whole Genome AmpliÃžcation from Single Cells and Minute DNA Samples. , 2003, , 371-382.		0
387	Can and Should Human Embryos be â€œRescuedâ€•from Developmental Demise?. , 2004, , 555-575.		1
389	Preimplantation Genetic Diagnosisâ€”An Overview. , 2004, , 1065-1069.		0
390	Preimplantation Genetic Diagnosis. , 2006, , 313-330.		0
392	Chapter 8. Looking at the DNA of a Single Cell. RSC Nanoscience and Nanotechnology, 2010, , 73-80.	0.2	0
393	Errors in Chromosome Segregation During Oogenesis and Early Embryogenesis. , 2010, , 325-342.		2
394	Fertility Preservation Strategies in Healthy Women. , 2012, , 225-232.		0
395	Preimplantation genetic diagnosis for infertility. , 2012, , 346-353.		1
396	Genetic analysis of the embryo. , 2012, , 354-365.		0
397	Fertility Preservation Strategies in Healthy Women. , 2013, , 297-306.		0
398	Interphase Cytogenetics at the Earliest Stages of Human Development. , 2013, , 123-138.		0

#	Article	IF	Citations
399	Microarrays and CGH for PGD of Chromosome Abnormalities and Gene Defects. , 2013, , 425-438.		0
400	The Origins of Aneuploidy in Human Embryos. , 2013, , 107-124.		1
401	Microarrays and CGH for PGD of Chromosome Abnormalities and Gene Defects. , 2013, , 303-316.		0
403	Whole Genome Amplification from Singles Cells and Minute DNA Samples. , 1994, , 295-303.		0
404	Normal and abnormal human preimplantation development in relation to preimplantation genetic diagnosis and establishment of embryonic stem cell lines. , 2014, , 101-135.		0
405	Origen de las aneuploidÃas en blastocistos humanos, analizados por la tÃ©cnica de polimorfismo de nucleotide Ãºnico con Parental Support. Revista Peruana De GinecologÃa Y Obstetricia, 2014, 60, 39-44.	0.1	0
406	Cytogenetic causes of miscarriage induced in an in vitro fertilization program. Russian Bulletin of Obstetrician-Gynecologist, 2016, 16, 4.	0.3	0
407	Aneuploidy in Human Preimplantation Embryos. , 2016, , 231-236.		0
408	Reviewing efficacy of progestagenes in recurrent early reproductive losses. Reproductive Endocrinology, 2016, .	0.3	1
409	Preimplantation Genetic Diagnosis and Genetic Screening. , 2017, , 329-343.		0
410	Standard Ovarian Stimulation Protocols and Their Outcomes. , 2017, , 129-146.		0
411	Polar Body, Cleavage Stage and Trophectoderm Biopsy. , 2017, , 245-258.		0
413	The use of preimplantation genetic testing for aneuploidy and mitochondrial DNA scoring helps in improving assisted reproductive techniques outcome. The Onco Fertility Journal, 2019, 2, 66.	0.3	0
414	Comprehensive Chromosome Analysis in Diminished Ovarian Reserve Patients. , 2020, , 289-298.		0
415	Fetal Loss. , 2022, , 187-215.		0
416	Whole Genome Amplification. , 2020, , 1-3.		0
417	Frequency of chromosomal aneuploidy in high quality embryos from young couples using preimplantation genetic screening. International Journal of Reproductive BioMedicine, 2017, 15, 297-304.	0.9	5
418	Trisomy 21 and Assisted Reproductive Technologies: A review. Jornal Brasileiro De Reproducao Assistida, 2021, , .	0.7	8

#	Article	IF	Citations
419	The inconsistency between two major aneuploidy-screening platformsâ€"single-nucleotide polymorphism array and next-generation sequencingâ€"in the detection of embryo mosaicism. BMC Genomics, 2022, 23, 62.	2.8	9
422	Large Intra-Age Group Variation in Chromosome Abnormalities in Human Blastocysts. Dna, 2021, 1, 91-104.	1.3	1
423	On the origins and fate of chromosomal abnormalities in human preimplantation embryos: an unsolved riddle. Molecular Human Reproduction, 2022, 28, .	2.8	12
424	Preimplantation genetics. , 2009, , 137-150.		0
425	Preimplantation genetic diagnosis for infertility (PGS). , 0, , 203-229.		1
426	Human Disease. , 0, , 838-889.		0
427	Preimplantation chromosomal mosaics, chimaeras and confined placental mosaicism. Reproduction and Fertility, 2022, 3, R66-R90.	1.8	6
428	Whole Genome Amplification. , 2022, , 7270-7272.		0
430	Chromosomal mosaicism in human blastocysts: a cytogenetic comparison of trophectoderm and inner cell mass after next-generation sequencing. Reproductive BioMedicine Online, 2022, 45, 867-877.	2.4	7
431	Clinical application of genome-wide single nucleotide polymorphism genotyping and karyomapping for preimplantation genetic testing of Charcotâ€"Marieâ€"Tooth disease. Journal of Genetic Medicine, 2022, 19, 7-13.	0.2	1
433	Update on preimplantation genetic testing for aneuploidy and outcomes of embryos with mosaic results. Minerva Obstetrics and Gynecology, 0, , .	1.0	0
434	Preimplantation genetic testing (PGT) for hemophilia A: Experience from one center. Taiwanese Journal of Obstetrics and Gynecology, 2022, 61, 1009-1014.	1.3	1
436	Day 5 versus day 3 embryo biopsy for preimplantation genetic testing for monogenic/single gene defects. The Cochrane Library, 2022, 2022, .	2.8	2
437	Telomere attrition and genomic instability in unexplained recurrent pregnancy loss in humans: A preliminary study. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, , 503580.	1.7	0
438	Single-Cell Sequencing in Cancer Research: Challenges and Opportunities. , 2023, , 1-28.		0
439	Preimplantation genetic testing for aneuploidy helps to achieve a live birth with fewer transfer cycles for the blastocyst FET patients with unexplained recurrent implantation failure. Archives of Gynecology and Obstetrics, 2023, 308, 599-610.	1.7	1
440	Preimplantation genetic testing. , 2024, , 253-271.		0
441	Single cell degenerate oligonucleotide primer-PCR and comparative genomic hybridization with modified control reference. Journal of Zhejiang University: Science A, 2001, 2, 318-321.	2.4	0

#	Article	IF	Citations
442	Comprehensive chromosomal screening for preimplantation genetic testing: A mini-review. Fertility Science and Research, 2023, 10, 188-194.	0.1	0
443	Preimplantation Genetic Testing. , 2023, , 145-161.		0
444	Mechanism of chromosomal mosaicism in preimplantation embryos and its effect on embryo development. Journal of Assisted Reproduction and Genetics, 0, , .	2.5	0