Elpida Fragouli

List of Publications by Year
in descending order

45	4,180	236833	345118
papers	citations	25 h-index	36 g-index

47	47	47	2867
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preimplantation genetic testing for aneuploidy versus morphology as selection criteria for single frozen-thawed embryo transfer in good-prognosis patients: a multicenter randomized clinical trial. Fertility and Sterility, 2019, 112, 1071-1079.e7.	0.5	379
2	The relationship between blastocyst morphology, chromosomal abnormality, and embryo gender. Fertility and Sterility, 2011, 95, 520-524.	0.5	345
3	Clinical application of comprehensive chromosomal screening at the blastocyst stage. Fertility and Sterility, 2010, 94, 1700-1706.	0.5	293
4	Towards clinical application of pronuclear transfer to prevent mitochondrial DNA disease. Nature, 2016, 534, 383-386.	13.7	278
5	Cytogenetic analysis of human blastocysts with the use of FISH, CGH and aCGH: scientific data and technical evaluation. Human Reproduction, 2011, 26, 480-490.	0.4	255
6	Altered Levels of Mitochondrial DNA Are Associated with Female Age, Aneuploidy, and Provide an Independent Measure of Embryonic Implantation Potential. PLoS Genetics, 2015, 11, e1005241.	1.5	253
7	The origin and impact of embryonic aneuploidy. Human Genetics, 2013, 132, 1001-1013.	1.8	236
8	Detailed investigation into the cytogenetic constitution and pregnancy outcome of replacing mosaic blastocysts detected with the use of high-resolution next-generation sequencing. Fertility and Sterility, 2017, 108, 62-71.e8.	0.5	219
9	Clinical utilisation of a rapid low-pass whole genome sequencing technique for the diagnosis of aneuploidy in human embryos prior to implantation. Journal of Medical Genetics, 2014, 51, 553-562.	1.5	200
10	Comprehensive molecular cytogenetic analysis of the human blastocyst stage. Human Reproduction, 2008, 23, 2596-2608.	0.4	191
11	Analysis of implantation and ongoing pregnancy rates following the transfer of mosaic diploidâ€“aneuploid blastocysts. Human Genetics, 2017, 136, 805-819.	1.8	190
12	Use of comprehensive chromosomal screening for embryo assessment: microarrays and CGH. Molecular Human Reproduction, 2008, 14, 703-710.	1.3	164
13	Comprehensive chromosome screening of polar bodies and blastocysts from couples experiencing repeated implantation failure. Fertility and Sterility, 2010, 94, 875-887.	0.5	147
14	The cytogenetics of polar bodies: insights into female meiosis and the diagnosis of aneuploidy. Molecular Human Reproduction, 2011, 17, 286-295.	1.3	134
15	Clinical implications of mitochondrial DNA quantification on pregnancy outcomes: a blinded prospective non-selection study. Human Reproduction, 2017, 32, 2340-2347.	0.4	90
16	The cytogenetic constitution of human blastocysts: insights from comprehensive chromosome screening strategies. Human Reproduction Update, 2019, 25, 15-33.	5.2	87
17	The transcriptome of follicular cells: biological insights and clinical implications for the treatment of infertility. Human Reproduction Update, 2014, 20, 1-11.	5.2	82
18	Clinical outcomes after the transfer of blastocysts characterized as mosaic by high resolution Next Generation Sequencing- further insights. European Journal of Medical Genetics, 2020, 63, 103741.	0.7	82

#	Article	IF	Citations
19	Mitochondrial genetics. , 2020, , 143-157.		72
20	Embryos of Robertsonian Translocation Carriers Exhibit a Mitotic Interchromosomal Effect That Enhances Genetic Instability during Early Development. PLoS Genetics, 2012, 8, e1003025.	1.5	70
21	Polymorphisms in the MTHFR gene influence embryo viability and the incidence of aneuploidy. Human Genetics, 2016, 135, 555-568.	1.8	65
22	Mitochondrial DNA Assessment to Determine Oocyte and Embryo Viability. Seminars in Reproductive Medicine, 2015, 33, 401-409.	0.5	60
23	Alteration of gene expression in human cumulus cells as a potential indicator of oocyte aneuploidy. Human Reproduction, 2012, 27, 2559-2568.	0.4	56
24	Aneuploidy Screening for Embryo Selection. Seminars in Reproductive Medicine, 2012, 30, 289-301.	0.5	45
25	Simultaneous assessment of aneuploidy, polymorphisms, and mitochondrial DNA content in human polar bodies and embryos with the use of a novel microarray platform. Fertility and Sterility, 2014, 102, 1385-1392.	0.5	41
26	Preimplantation genetic diagnosis: present and future. Journal of Assisted Reproduction and Genetics, 2007, 24, 201-207.	1.2	28
27	Intra-age, intercenter, and intercycle differences in chromosome abnormalities in oocytes. Fertility and Sterility, 2012, 97, 935-942.	0.5	19
28	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.	1.1	17
29	Reply: Mitochondrial DNA Quantificationâ€"the devil in the detail. Human Reproduction, 2017, 32, 2150-2151.	0.4	15
30	Single cell diagnosis using comparative genomic hybridization after preliminary DNA amplification still needs more tweaking: too many miscalls. Fertility and Sterility, 2007, 88, 247-248.	0.5	12
31	Biomolecules of Human Female Fertility - Potential Therapeutic Targets for Pharmaceutical Design. Current Pharmaceutical Design, 2012, 18, 310-324.	0.9	11
32	Next generation sequencing for preimplantation genetic testing for aneuploidy: friend or foe?. Fertility and Sterility, 2018, 109, 606-607.	0.5	11
33	Transcriptomic analysis of follicular cells provides information on the chromosomal status and competence of unfertilized oocytes. Expert Review of Molecular Diagnostics, 2012, 12, 1-4.	1.5	10
34	Sperm Mitochondrial DNA Copy Number Is Not a Predictor of Intracytoplasmic Sperm Injection (ICSI) Cycle Outcomes. Reproductive Sciences, 2020, 27, 1350-1356.	1.1	6
35	Current status and future prospects of noninvasive preimplantation genetic testing for aneuploidy. Fertility and Sterility, 2018, 110, 408-409.	0.5	5
36	Questions about the accuracy of polar body analysis for preimplantation genetic screening. Human Reproduction, 2013, 28, 1731-1732.	0.4	4

#	Article	IF	Citations
37	Human female meiosis checkpoints: how much DNA damage is allowed?. Fertility and Sterility, 2020, 113, 943-944.	0.5	3
38	Preimplantation genetic diagnosis. , 0, , 346-356.		1
39	Preimplantation genetic diagnosis for infertility. , 2012, , 346-353.		1
40	The Origins of Aneuploidy in Human Embryos. , 2013, , 107-124.		1
41	Pores for thought: preimplantation genetic testing using a nanopore-based DNA sequencer. Fertility and Sterility, 2018, 110, 853-855.	0.5	0
42	Preimplantation genetic testing for aneuploidy: the conundrum with aneuploid embryo transfers. Fertility and Sterility, 2020, 114, 65-66.	0.5	0
43	Individualized Genetic Testing. , 2021, , 79-95.		0
44	Endometrial receptivity: miRNAs signing in?. Fertility and Sterility, 2021, 116, 78-79.	0.5	0
45	Transcriptomic Analysis of Cumulus and Granulosa Cells as a Marker of Embryo Viability. , 2013, , 185-192.		0