

Sebastiaan Mastenbroek

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

3,981
citations

186265
28
h-index

123424
61
g-index

76
all docs

76
docs citations

76
times ranked

2892
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vitro Fertilization with Preimplantation Genetic Screening. New England Journal of Medicine, 2007, 357, 9-17.	27.0	663
2	Preimplantation genetic screening: a systematic review and meta-analysis of RCTs. Human Reproduction Update, 2011, 17, 454-466.	10.8	364
3	Chromosomal mosaicism in human preimplantation embryos: a systematic review. Human Reproduction Update, 2011, 17, 620-627.	10.8	234
4	Cryopreservation of human embryos and its contribution to in vitro fertilization success rates. Fertility and Sterility, 2014, 102, 19-26.	1.0	216
5	ESHRE guideline: ovarian stimulation for IVF/ICSI. Human Reproduction Open, 2020, 2020, hoaa009.	5.4	205
6	Pathophysiological aspects of thyroid hormone disorders/thyroid peroxidase autoantibodies and reproduction. Human Reproduction Update, 2015, 21, 378-387.	10.8	160
7	Dopamine and noradrenaline efflux in the prefrontal cortex in the light and dark period: effects of novelty and handling and comparison to the nucleus accumbens. Neuroscience, 2000, 100, 741-748.	2.3	136
8	Embryo culture media and IVF/ICSI success rates: a systematic review. Human Reproduction Update, 2013, 19, 210-220.	10.8	125
9	Fresh versus frozen embryo transfers in assisted reproduction. The Cochrane Library, 2017, 3, CD011184.	2.8	125
10	Molecular origin of mitotic aneuploidies in preimplantation embryos. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1921-1930.	3.8	119
11	Influence of embryo culture medium (G5 and HTF) on pregnancy and perinatal outcome after IVF: a multicenter RCT. Human Reproduction, 2016, 31, 2219-2230.	0.9	118
12	The why, the how and the when of PGS 2.0: current practices and expert opinions of fertility specialists, molecular biologists, and embryologists. Molecular Human Reproduction, 2016, 22, 845-857.	2.8	116
13	Preimplantation genetic screening: back to the future. Human Reproduction, 2014, 29, 1846-1850.	0.9	101
14	Preimplantation genetic screening for abnormal number of chromosomes (aneuploidies) in in vitro fertilisation or intracytoplasmic sperm injection. The Cochrane Library, 2006, , CD005291.	2.8	86
15	Female subfertility. Nature Reviews Disease Primers, 2019, 5, 7.	30.5	85
16	Low oxygen concentrations for embryo culture in assisted reproductive technologies. The Cochrane Library, 2012, , CD008950.	2.8	74
17	Embryo selection in IVF. Human Reproduction, 2011, 26, 964-966.	0.9	68
18	Differences in gene expression profiles between human preimplantation embryos cultured in two different IVF culture media. Human Reproduction, 2015, 30, 2303-2311.	0.9	62

#	ARTICLE	IF	CITATIONS
19	No beneficial effect of preimplantation genetic screening in women of advanced maternal age with a high risk for embryonic aneuploidy. Human Reproduction, 2008, 23, 2813-2817.	0.9	61
20	Time-lapse in the IVF-lab: how should we assess potential benefit?. Human Reproduction, 2015, 30, 3-8.	0.9	59
21	What next for preimplantation genetic screening? More randomized controlled trials needed?. Human Reproduction, 2008, 23, 2626-2628.	0.9	49
22	Fresh versus frozen embryo transfers in assisted reproduction. The Cochrane Library, 2021, 2021, CD011184.	2.8	48
23	Preimplantation genetic testing for aneuploidies (abnormal number of chromosomes) in in vitro fertilisation. The Cochrane Library, 2020, 9, CD005291.	2.8	41
24	Pregnancy outcome after preimplantation genetic screening or natural conception in couples with unexplained recurrent miscarriage: a systematic review of the best available evidence. Fertility and Sterility, 2011, 95, 2153-2157.e3.	1.0	39
25	The Imperative of Responsible Innovation in Reproductive Medicine. New England Journal of Medicine, 2021, 385, 2096-2100.	27.0	36
26	Low oxygen concentrations for embryo culture in assisted reproductive technologies. Human Reproduction Update, 2013, 19, 209-209.	10.8	33
27	Factors affecting the gene expression of <i>in vitro</i> cultured human preimplantation embryos. Human Reproduction, 2016, 31, dev306.	0.9	32
28	The composition of human preimplantation embryo culture media and their stability during storage and culture. Human Reproduction, 2019, 34, 1450-1461.	0.9	32
29	The effect of recombinant LH on embryo quality: a randomized controlled trial in women with poor ovarian reserve. Human Reproduction, 2012, 27, 244-250.	0.9	31
30	Culture media for human pre-implantation embryos in assisted reproductive technology cycles. The Cochrane Library, 2015, 2015, CD007876.	2.8	30
31	High-quality human preimplantation embryos actively influence endometrial stromal cell migration. Journal of Assisted Reproduction and Genetics, 2018, 35, 659-667.	2.5	27
32	Transfer of fresh or frozen embryos: a randomised controlled trial. Human Reproduction, 2021, 36, 998-1006.	0.9	27
33	Limitations of Embryo Selection Methods. Seminars in Reproductive Medicine, 2014, 32, 127-133.	1.1	24
34	Don't abandon RCTs in IVF. We don't even understand them. Human Reproduction, 2019, 34, 2093-2098.	0.9	24
35	High-quality human preimplantation embryos stimulate endometrial stromal cell migration via secretion of microRNA hsa-miR-320a. Human Reproduction, 2020, 35, 1797-1807.	0.9	23
36	Cytogenetic testing of pregnancy loss tissue: a meta-analysis. Reproductive BioMedicine Online, 2020, 40, 867-879.	2.4	23

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37	Preimplantation genetic screening as an alternative to prenatal testing for Down syndrome: preferences of women undergoing in vitro fertilization/intracytoplasmic sperm injection treatment. Fertility and Sterility, 2007, 88, 804-810.	1.0	22
38	The influence of retinoic acid-induced differentiation on the radiation response of male germline stem cells. DNA Repair, 2018, 70, 55-66.	2.8	22
39	Morphologic abnormalities in 2-year-old children born after in vitro fertilization/intracytoplasmic sperm injection with preimplantation genetic screening: follow-up of a randomized controlled trial. Fertility and Sterility, 2013, 99, 408-413.e4.	1.0	16
40	Equipoise and the RCT. Human Reproduction, 2017, 32, 257-260.	0.9	16
41	Developmental outcome of 9-year-old children born after PGS: follow-up of a randomized trial. Human Reproduction, 2018, 33, 147-155.	0.9	16
42	One swallow does not make a summer. Fertility and Sterility, 2013, 99, 1205-1206.	1.0	15
43	Trivial role for NSMCE2 during in vitro proliferation and differentiation of male germline stem cells. Reproduction, 2017, 154, 181-195.	2.6	15
44	Effect of parental and ART treatment characteristics on perinatal outcomes. Human Reproduction, 2021, 36, 1640-1665.	0.9	15
45	Comment 1 on Staessen et al. (2004). Design and analysis of a randomized controlled trial studying preimplantation genetic screening. Human Reproduction, 2005, 20, 2362-2363.	0.9	14
46	Premature expression of the decidualization marker prolactin is associated with repeated implantation failure. Gynecological Endocrinology, 2020, 36, 360-364.	1.7	13
47	Comparison of DNA methylation patterns of parentally imprinted genes in placenta derived from IVF conceptions in two different culture media. Human Reproduction, 2020, 35, 516-528.	0.9	11
48	Longevity pathways are associated with human ovarian ageing. Human Reproduction Open, 2021, 2021, hoab020.	5.4	11
49	Extracellular vesicles in human follicular fluid do not promote coagulation. Reproductive BioMedicine Online, 2016, 33, 652-655.	2.4	10
50	Age-related gene expression profiles of immature human oocytes. Molecular Human Reproduction, 2018, 24, 469-477.	2.8	10
51	Preimplantation genetic screening. Reproductive BioMedicine Online, 2008, 17, 293.	2.4	9
52	pH stability of human preimplantation embryo culture media: effects of culture and batches. Reproductive BioMedicine Online, 2018, 37, 409-414.	2.4	9
53	The addition of a low-quality embryo as part of a fresh day 3 double embryo transfer does not improve ongoing pregnancy rates. Human Reproduction Open, 2017, 2017, hox020.	5.4	8
54	PGD—a model to evaluate efficacy?. Fertility and Sterility, 2006, 85, 534-535.	1.0	7

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55	The effectiveness of preimplantation genetic screening. Reproductive BioMedicine Online, 2005, 11, 519-520.	2.4	6
56	Fresh versus frozen blastocyst transfer. Lancet, The, 2019, 394, 1227.	13.7	6
57	Between innovation and precaution: how did offspring safety considerations play a role in strategies of introducing new reproductive techniques?. Human Reproduction Open, 2020, 2020, hoaa003.	5.4	6
58	Temporal and Developmental-Stage Variation in the Occurrence of Mitotic Errors in Triprounuclear Human Preimplantation Embryos1. Biology of Reproduction, 2013, 89, 42.	2.7	5
59	Comparing the cumulative live birth rate of cleavage-stage versus blastocyst-stage embryo transfers between IVF cycles: a study protocol for a multicentre randomised controlled superiority trial (the Tj ETQq1 1 0.784314 rgB5/Overlook	0.9	0
60	Methylome-wide analysis of IVF neonates that underwent embryo culture in different media revealed no significant differences. Npj Genomic Medicine, 2022, 7, .	3.8	4
61	SELECTED ORAL COMMUNICATION SESSION, SESSION 46: SAFETY OF IVF CULTURE, Tuesday 5 July 2011 15:15 - 16:30. Human Reproduction, 2011, 26, i67-i69.	0.9	3
62	Evaluation of ribonucleic acid amplification protocols for human oocyte transcriptome analysis. Fertility and Sterility, 2016, 105, 511-519.e4.	1.0	3
63	An informed decision between cleavage-stage and blastocyst-stage transfer in IVF requires data on the transfers of frozen“thawed embryos. Human Reproduction, 2018, 33, 1370-1370.	0.9	3
64	Benefits of PGD in patients with recurrent miscarriages?. Fertility and Sterility, 2008, 90, 240-241.	1.0	0
65	Preimplantation genetic screening (PGS): a tool to increase live birth rates in couples with unexplained recurrent miscarriage?. Fertility and Sterility, 2008, 90, S487-S488.	1.0	0
66	Morphological Abnormalities in 2-Year-Old Children Born After IVF/ICSI with Preimplantation Genetic Screening (PGS). Pediatric Research, 2011, 70, 407-407.	2.3	0
67	Preimplantation genetic screening: a systematic review and meta-analysis of RCTs. Human Reproduction Update, 2013, 19, 206-206.	10.8	0
68	Reply: Time-lapse in the IVF lab: how should we assess potential benefit?. Human Reproduction, 2015, 30, 1277-1277.	0.9	0
69	Reply II: Embryo culture media effects. Human Reproduction, 2016, 32, 717-718.	0.9	0
70	Reply: Freeze-all vs conventional IVF: a valid and valuable RCT. Human Reproduction, 2021, 36, 2419-2420.	0.9	0
71	O-074 No methylome differences observed in IVF children born after embryo culture in different culture media. Human Reproduction, 2021, 36, .	0.9	0
72	The Inefficacy of Preimplantation Genetic Screening. , 2009, , 305-309.		0