

# Sebastiaan Mastenbroek

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

3,981  
citations

185998

28  
h-index

123241

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. <i>New England Journal of Medicine</i> , 2007, 357, 9-17.	13.9	663
2	Preimplantation genetic screening: a systematic review and meta-analysis of RCTs. <i>Human Reproduction Update</i> , 2011, 17, 454-466.	5.2	364
3	Chromosomal mosaicism in human preimplantation embryos: a systematic review. <i>Human Reproduction Update</i> , 2011, 17, 620-627.	5.2	234
4	Cryopreservation of human embryos and its contribution to in vitro fertilization success rates. <i>Fertility and Sterility</i> , 2014, 102, 19-26.	0.5	216
5	ESHRE guideline: ovarian stimulation for IVF/ICSI. <i>Human Reproduction Open</i> , 2020, 2020, hoaa009.	2.3	205
6	Pathophysiological aspects of thyroid hormone disorders/thyroid peroxidase autoantibodies and reproduction. <i>Human Reproduction Update</i> , 2015, 21, 378-387.	5.2	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. <i>Neuroscience</i> , 2000, 100, 741-748.	1.1	136
8	Embryo culture media and IVF/ICSI success rates: a systematic review. <i>Human Reproduction Update</i> , 2013, 19, 210-220.	5.2	125
9	Fresh versus frozen embryo transfers in assisted reproduction. <i>The Cochrane Library</i> , 2017, 3, CD011184.	1.5	125
10	Molecular origin of mitotic aneuploidies in preimplantation embryos. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1921-1930.	1.8	119
11	Influence of embryo culture medium (G5 and HTF) on pregnancy and perinatal outcome after IVF: a multicenter RCT. <i>Human Reproduction</i> , 2016, 31, 2219-2230.	0.4	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. <i>Molecular Human Reproduction</i> , 2016, 22, 845-857.	1.3	116
13	Preimplantation genetic screening: back to the future. <i>Human Reproduction</i> , 2014, 29, 1846-1850.	0.4	101
14	Preimplantation genetic screening for abnormal number of chromosomes (aneuploidies) in in vitro fertilisation or intracytoplasmic sperm injection. <i>The Cochrane Library</i> , 2006, , CD005291.	1.5	86
15	Female subfertility. <i>Nature Reviews Disease Primers</i> , 2019, 5, 7.	18.1	85
16	Low oxygen concentrations for embryo culture in assisted reproductive technologies. <i>The Cochrane Library</i> , 2012, , CD008950.	1.5	74
17	Embryo selection in IVF. <i>Human Reproduction</i> , 2011, 26, 964-966.	0.4	68
18	Differences in gene expression profiles between human preimplantation embryos cultured in two different IVF culture media. <i>Human Reproduction</i> , 2015, 30, 2303-2311.	0.4	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. <i>Human Reproduction</i> , 2008, 23, 2813-2817.	0.4	61
20	Time-lapse in the IVF-lab: how should we assess potential benefit?. <i>Human Reproduction</i> , 2015, 30, 3-8.	0.4	59
21	What next for preimplantation genetic screening? More randomized controlled trials needed?. <i>Human Reproduction</i> , 2008, 23, 2626-2628.	0.4	49
22	Fresh versus frozen embryo transfers in assisted reproduction. <i>The Cochrane Library</i> , 2021, 2021, CD011184.	1.5	48
23	Preimplantation genetic testing for aneuploidies (abnormal number of chromosomes) in in vitro fertilisation. <i>The Cochrane Library</i> , 2020, 9, CD005291.	1.5	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. <i>Fertility and Sterility</i> , 2011, 95, 2153-2157.e3.	0.5	39
25	The Imperative of Responsible Innovation in Reproductive Medicine. <i>New England Journal of Medicine</i> , 2021, 385, 2096-2100.	13.9	36
26	Low oxygen concentrations for embryo culture in assisted reproductive technologies. <i>Human Reproduction Update</i> , 2013, 19, 209-209.	5.2	33
27	Factors affecting the gene expression of <i>in vitro</i> cultured human preimplantation embryos. <i>Human Reproduction</i> , 2016, 31, dev306.	0.4	32
28	The composition of human preimplantation embryo culture media and their stability during storage and culture. <i>Human Reproduction</i> , 2019, 34, 1450-1461.	0.4	32
29	The effect of recombinant LH on embryo quality: a randomized controlled trial in women with poor ovarian reserve. <i>Human Reproduction</i> , 2012, 27, 244-250.	0.4	31
30	Culture media for human pre-implantation embryos in assisted reproductive technology cycles. <i>The Cochrane Library</i> , 2015, 2015, CD007876.	1.5	30
31	High-quality human preimplantation embryos actively influence endometrial stromal cell migration. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 659-667.	1.2	27
32	Transfer of fresh or frozen embryos: a randomised controlled trial. <i>Human Reproduction</i> , 2021, 36, 998-1006.	0.4	27
33	Limitations of Embryo Selection Methods. <i>Seminars in Reproductive Medicine</i> , 2014, 32, 127-133.	0.5	24
34	Don't abandon RCTs in IVF. We don't even understand them. <i>Human Reproduction</i> , 2019, 34, 2093-2098.	0.4	24
35	High-quality human preimplantation embryos stimulate endometrial stromal cell migration via secretion of microRNA hsa-miR-320a. <i>Human Reproduction</i> , 2020, 35, 1797-1807.	0.4	23
36	Cytogenetic testing of pregnancy loss tissue: a meta-analysis. <i>Reproductive BioMedicine Online</i> , 2020, 40, 867-879.	1.1	23

#	ARTICLE	IF	CITATIONS
37	Preimplantation genetic screening as an alternative to prenatal testing for Down syndrome: preferences of women undergoing in vitro fertilization/intracytoplasmic sperm injection treatment. <i>Fertility and Sterility</i> , 2007, 88, 804-810.	0.5	22
38	The influence of retinoic acid-induced differentiation on the radiation response of male germline stem cells. <i>DNA Repair</i> , 2018, 70, 55-66.	1.3	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. <i>Fertility and Sterility</i> , 2013, 99, 408-413.e4.	0.5	16
40	Equipoise and the RCT. <i>Human Reproduction</i> , 2017, 32, 257-260.	0.4	16
41	Developmental outcome of 9-year-old children born after PGS: follow-up of a randomized trial. <i>Human Reproduction</i> , 2018, 33, 147-155.	0.4	16
42	One swallow does not make a summer. <i>Fertility and Sterility</i> , 2013, 99, 1205-1206.	0.5	15
43	Trivial role for NSMCE2 during in vitro proliferation and differentiation of male germline stem cells. <i>Reproduction</i> , 2017, 154, 181-195.	1.1	15
44	Effect of parental and ART treatment characteristics on perinatal outcomes. <i>Human Reproduction</i> , 2021, 36, 1640-1665.	0.4	15
45	Comment 1 on Staessen et al. (2004). Design and analysis of a randomized controlled trial studying preimplantation genetic screening. <i>Human Reproduction</i> , 2005, 20, 2362-2363.	0.4	14
46	Premature expression of the decidualization marker prolactin is associated with repeated implantation failure. <i>Gynecological Endocrinology</i> , 2020, 36, 360-364.	0.7	13
47	Comparison of DNA methylation patterns of parentally imprinted genes in placenta derived from IVF conceptions in two different culture media. <i>Human Reproduction</i> , 2020, 35, 516-528.	0.4	11
48	Longevity pathways are associated with human ovarian ageing. <i>Human Reproduction Open</i> , 2021, 2021, hoab020.	2.3	11
49	Extracellular vesicles in human follicular fluid do not promote coagulation. <i>Reproductive BioMedicine Online</i> , 2016, 33, 652-655.	1.1	10
50	Age-related gene expression profiles of immature human oocytes. <i>Molecular Human Reproduction</i> , 2018, 24, 469-477.	1.3	10
51	Preimplantation genetic screening. <i>Reproductive BioMedicine Online</i> , 2008, 17, 293.	1.1	9
52	pH stability of human preimplantation embryo culture media: effects of culture and batches. <i>Reproductive BioMedicine Online</i> , 2018, 37, 409-414.	1.1	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. <i>Human Reproduction Open</i> , 2017, 2017, hox020.	2.3	8
54	PGD—a model to evaluate efficacy?. <i>Fertility and Sterility</i> , 2006, 85, 534-535.	0.5	7

#	ARTICLE	IF	CITATIONS
55	The effectiveness of preimplantation genetic screening. Reproductive BioMedicine Online, 2005, 11, 519-520.	1.1	6
56	Fresh versus frozen blastocyst transfer. Lancet, The, 2019, 394, 1227.	6.3	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.	2.3	6
58	Temporal and Developmental-Stage Variation in the Occurrence of Mitotic Errors in Tripronuclear Human Preimplantation Embryos <sup>1</sup> . Biology of Reproduction, 2013, 89, 42.	1.2	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 rgBT/Overlook	0.4	3
60	Methylome-wide analysis of IVF neonates that underwent embryo culture in different media revealed no significant differences. Npj Genomic Medicine, 2022, 7, .	1.7	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.	0.4	3
62	Evaluation of ribonucleic acid amplification protocols for human oocyte transcriptome analysis. Fertility and Sterility, 2016, 105, 511-519.e4.	0.5	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.	0.4	3
64	Benefits of PGD in patients with recurrent miscarriages?. Fertility and Sterility, 2008, 90, 240-241.	0.5	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.	0.5	0
66	Morphological Abnormalities in 2-Year-Old Children Born After IVF/ICSI with Preimplantation Genetic Screening (PGS). Pediatric Research, 2011, 70, 407-407.	1.1	0
67	Preimplantation genetic screening: a systematic review and meta-analysis of RCTs. Human Reproduction Update, 2013, 19, 206-206.	5.2	0
68	Reply: Time-lapse in the IVF lab: how should we assess potential benefit?. Human Reproduction, 2015, 30, 1277-1277.	0.4	0
69	Reply II: Embryo culture media effects. Human Reproduction, 2016, 32, 717-718.	0.4	0
70	Reply: Freeze-all vs conventional IVF: a valid and valuable RCT. Human Reproduction, 2021, 36, 2419-2420.	0.4	0
71	O-074 No methylome differences observed in IVF children born after embryo culture in different culture media. Human Reproduction, 2021, 36, .	0.4	0
72	The Inefficacy of Preimplantation Genetic Screening. , 2009, , 305-309.		0