

Sebastiaan Mastenbroek

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

2,849
citations

24
h-index

53
g-index

76
ext. papers

3,444
ext. citations

7.7
avg, IF

5.09
L-index

#	Paper	IF	Citations
69	In vitro fertilization with preimplantation genetic screening. <i>New England Journal of Medicine</i> , 2007 , 357, 9-17	59.2	558
68	Preimplantation genetic screening: a systematic review and meta-analysis of RCTs. <i>Human Reproduction Update</i> , 2011 , 17, 454-66	15.8	305
67	Chromosomal mosaicism in human preimplantation embryos: a systematic review. <i>Human Reproduction Update</i> , 2011 , 17, 620-7	15.8	185
66	Cryopreservation of human embryos and its contribution to in vitro fertilization success rates. <i>Fertility and Sterility</i> , 2014 , 102, 19-26	4.8	164
65	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, 741-8	3.9	129
64	Pathophysiological aspects of thyroid hormone disorders/thyroid peroxidase autoantibodies and reproduction. <i>Human Reproduction Update</i> , 2015 , 21, 378-87	15.8	108
63	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, 845-57	4.4	99
62	Embryo culture media and IVF/ICSI success rates: a systematic review. <i>Human Reproduction Update</i> , 2013 , 19, 210-20	15.8	92
61	Influence of embryo culture medium (G5 and HTF) on pregnancy and perinatal outcome after IVF: a multicenter RCT. <i>Human Reproduction</i> , 2016 , 31, 2219-30	5.7	88
60	Preimplantation genetic screening: back to the future. <i>Human Reproduction</i> , 2014 , 29, 1846-50	5.7	86
59	Molecular origin of mitotic aneuploidies in preimplantation embryos. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 1921-30	6.9	82
58	Fresh versus frozen embryo transfers in assisted reproduction. <i>The Cochrane Library</i> , 2017 , 3, CD011184	5.2	75
57	Preimplantation genetic screening for abnormal number of chromosomes (aneuploidies) in in vitro fertilisation or intracytoplasmic sperm injection. <i>The Cochrane Library</i> , 2006 , CD005291	5.2	70
56	ESHRE guideline: ovarian stimulation for IVF/ICSI. <i>Human Reproduction Open</i> , 2020 , 2020, hoaa009	6.1	66
55	Embryo selection in IVF. <i>Human Reproduction</i> , 2011 , 26, 964-6	5.7	55
54	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, 2813-7	5.7	54
53	Low oxygen concentrations for embryo culture in assisted reproductive technologies. <i>The Cochrane Library</i> , 2012 , CD008950	5.2	52

52	Time-lapse in the IVF-lab: how should we assess potential benefit?. <i>Human Reproduction</i> , 2015 , 30, 3-8	5.7	47
51	Differences in gene expression profiles between human preimplantation embryos cultured in two different IVF culture media. <i>Human Reproduction</i> , 2015 , 30, 2303-11	5.7	44
50	What next for preimplantation genetic screening? More randomized controlled trials needed?. <i>Human Reproduction</i> , 2008 , 23, 2626-8	5.7	41
49	Female subfertility. <i>Nature Reviews Disease Primers</i> , 2019 , 5, 7	51.1	34
48	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, 2153-7, 2157.e1-3	4.8	33
47	Factors affecting the gene expression of in vitro cultured human preimplantation embryos. <i>Human Reproduction</i> , 2016 , 31, 298-311	5.7	25
46	The effect of recombinant LH on embryo quality: a randomized controlled trial in women with poor ovarian reserve. <i>Human Reproduction</i> , 2012 , 27, 244-50	5.7	24
45	Low oxygen concentrations for embryo culture in assisted reproductive technologies. <i>Human Reproduction Update</i> , 2013 , 19, 209	15.8	23
44	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, 804-10	4.8	21
43	The composition of human preimplantation embryo culture media and their stability during storage and culture. <i>Human Reproduction</i> , 2019 , 34, 1450-1461	5.7	18
42	Culture media for human pre-implantation embryos in assisted reproductive technology cycles. <i>The Cochrane Library</i> , 2015 , CD007876	5.2	18
41	Limitations of embryo selection methods. <i>Seminars in Reproductive Medicine</i> , 2014 , 32, 127-33	1.4	16
40	High-quality human preimplantation embryos actively influence endometrial stromal cell migration. <i>Journal of Assisted Reproduction and Genetics</i> , 2018 , 35, 659-667	3.4	15
39	Don't abandon RCTs in IVF. We don't even understand them. <i>Human Reproduction</i> , 2019 , 34, 2093-2098	5.7	15
38	Trivial role for NSMCE2 during proliferation and differentiation of male germline stem cells. <i>Reproduction</i> , 2017 , 154, 181-195	3.8	13
37	Developmental outcome of 9-year-old children born after PGS: follow-up of a randomized trial. <i>Human Reproduction</i> , 2018 , 33, 147-155	5.7	12
36	The influence of retinoic acid-induced differentiation on the radiation response of male germline stem cells. <i>DNA Repair</i> , 2018 , 70, 55-66	4.3	12
35	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, 2362-3; author reply 2364-5	5.7	11

34	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	5.7	10
33	One swallow does not make a summer. <i>Fertility and Sterility</i> , 2013 , 99, 1205-6	4.8	10
32	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, 408-13	4.8	10
31	Transfer of fresh or frozen embryos: a randomised controlled trial. <i>Human Reproduction</i> , 2021 , 36, 998-1006	5.9	10
30	Fresh versus frozen embryo transfers in assisted reproduction. <i>The Cochrane Library</i> , 2021 , 2, CD011184	5.2	10
29	Equipoise and the RCT. <i>Human Reproduction</i> , 2017 , 32, 257-260	5.7	9
28	Extracellular vesicles in human follicular fluid do not promote coagulation. <i>Reproductive BioMedicine Online</i> , 2016 , 33, 652-655	4	9
27	Cytogenetic testing of pregnancy loss tissue: a meta-analysis. <i>Reproductive BioMedicine Online</i> , 2020 , 40, 867-879	4	8
26	pH stability of human preimplantation embryo culture media: effects of culture and batches. <i>Reproductive BioMedicine Online</i> , 2018 , 37, 409-414	4	8
25	Age-related gene expression profiles of immature human oocytes. <i>Molecular Human Reproduction</i> , 2018 , 24, 469-477	4.4	7
24	PGD--a model to evaluate efficacy?. <i>Fertility and Sterility</i> , 2006 , 85, 534-5; author reply 535-6	4.8	7
23	Premature expression of the decidualization marker prolactin is associated with repeated implantation failure. <i>Gynecological Endocrinology</i> , 2020 , 36, 360-364	2.4	7
22	Preimplantation genetic screening. <i>Reproductive BioMedicine Online</i> , 2008 , 17, 293; author reply 294-5	4	6
21	Fresh versus frozen blastocyst transfer. <i>Lancet, The</i> , 2019 , 394, 1227	4.0	5
20	Between innovation and precaution: how did offspring safety considerations play a role in strategies of introducing new reproductive techniques?. <i>Human Reproduction Open</i> , 2020 , 2020, hoaa003	6.1	4
19	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	6.1	4
18	Fresh versus frozen embryo transfers for assisted reproduction 2014 ,		4
17	Temporal and developmental-stage variation in the occurrence of mitotic errors in tripronuclear human preimplantation embryos. <i>Biology of Reproduction</i> , 2013 , 89, 42	3.9	4

16	The effectiveness of preimplantation genetic screening. <i>Reproductive BioMedicine Online</i> , 2005 , 11, 519-20	4
15	The Imperative of Responsible Innovation in Reproductive Medicine. <i>New England Journal of Medicine</i> , 2021 , 385, 2096-2100	59.2 4
14	Preimplantation genetic testing for aneuploidies (abnormal number of chromosomes) in in vitro fertilisation. <i>The Cochrane Library</i> , 2020 , 9, CD005291	5.2 4
13	Evaluation of ribonucleic acid amplification protocols for human oocyte transcriptome analysis. <i>Fertility and Sterility</i> , 2016 , 105, 511-9.e4	4.8 3
12	SELECTED ORAL COMMUNICATION SESSION, SESSION 46: SAFETY OF IVF CULTURE, Tuesday 5 July 2011 15:15 - 16:30. <i>Human Reproduction</i> , 2011 , 26, i67-i69	5.7 3
11	An informed decision between cleavage-stage and blastocyst-stage transfer in IVF requires data on the transfers of frozen-thawed embryos. <i>Human Reproduction</i> , 2018 , 33, 1370	5.7 3
10	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	5.7 2
9	Effect of parental and ART treatment characteristics on perinatal outcomes. <i>Human Reproduction</i> , 2021 , 36, 1640-1665	5.7 2
8	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 ToF trial). <i>BMJ Open</i> , 2021 , 11, e042395	3 1
7	Longevity pathways are associated with human ovarian ageing. <i>Human Reproduction Open</i> , 2021 , 2021, hoab020	6.1 1
6	Reply: time-lapse in the IVF lab: how should we assess potential benefit?. <i>Human Reproduction</i> , 2015 , 30, 1277	5.7
5	Morphological Abnormalities in 2-Year-Old Children Born After IVF/ICSI with Preimplantation Genetic Screening (PGS). <i>Pediatric Research</i> , 2011 , 70, 407-407	3.2
4	Benefits of PGD in patients with recurrent miscarriages?. <i>Fertility and Sterility</i> , 2008 , 90, 240-1; author reply 241-2	4.8
3	The Inefficacy of Preimplantation Genetic Screening 2009 , 305-309	
2	Reply: Freeze-all vs conventional IVF: a valid and valuable RCT. <i>Human Reproduction</i> , 2021 , 36, 2419-2420	5.7
1	Reply II: Embryo culture media effects. <i>Human Reproduction</i> , 2017 , 32, 717-718	5.7