Sjoerd Repping

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The male-specific region of the human Y chromosome is a mosaic of discrete sequence classes. Nature, 2003, 423, 825-837.	13.7	1,887
2	In Vitro Fertilization with Preimplantation Genetic Screening. New England Journal of Medicine, 2007, 357, 9-17.	13.9	663
3	Recombination between Palindromes P5 and P1 on the Human Y Chromosome Causes Massive Deletions and Spermatogenic Failure. American Journal of Human Genetics, 2002, 71, 906-922.	2.6	410
4	Polymorphism for a 1.6-Mb deletion of the human Y chromosome persists through balance between recurrent mutation and haploid selection. Nature Genetics, 2003, 35, 247-251.	9.4	399
5	Preimplantation genetic screening: a systematic review and meta-analysis of RCTs. Human Reproduction Update, 2011, 17, 454-466.	5.2	364
6	Propagation of Human Spermatogonial Stem Cells In Vitro. JAMA - Journal of the American Medical Association, 2009, 302, 2127.	3.8	334
7	Measuring Sperm DNA Fragmentation and Clinical Outcomes of Medically Assisted Reproduction: A Systematic Review and Meta-Analysis. PLoS ONE, 2016, 11, e0165125.	1.1	252
8	High mutation rates have driven extensive structural polymorphism among human Y chromosomes. Nature Genetics, 2006, 38, 463-467.	9.4	237
9	Chromosomal mosaicism in human preimplantation embryos: a systematic review. Human Reproduction Update, 2011, 17, 620-627.	5.2	234
10	Four DAZ Genes in Two Clusters Found in the AZFc Region of the Human Y Chromosome. Genomics, 2000, 67, 256-267.	1.3	228
11	Cryopreservation of human embryos and its contribution to inÂvitro fertilization success rates. Fertility and Sterility, 2014, 102, 19-26.	0.5	216
12	A family of human Y chromosomes has dispersed throughout northern Eurasia despite a 1.8-Mb deletion in the azoospermia factor c region. Genomics, 2004, 83, 1046-1052.	1.3	196
13	In Vitro Propagation of Human Prepubertal Spermatogonial Stem Cells. JAMA - Journal of the American Medical Association, 2011, 305, 2416.	3.8	196
14	Molecular control of rodent spermatogenesis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1838-1850.	1.8	166
15	Fresh versus frozen embryo transfers in assisted reproduction. The Cochrane Library, 2017, 3, CD011184.	1.5	125
16	Molecular origin of mitotic aneuploidies in preimplantation embryos. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1921-1930.	1.8	119
17	Influence of embryo culture medium (G5 and HTF) on pregnancy and perinatal outcome after IVF: a multicenter RCT. Human Reproduction, 2016, 31, 2219-2230.	0.4	118
18	Unraveling transcriptome dynamics in human spermatogenesis. Development (Cambridge), 2017, 144, 3659-3673.	1.2	117

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19	Prevention of multiple pregnancies in couples with unexplained or mild male subfertility: randomised controlled trial of in vitro fertilisation with single embryo transfer or in vitro fertilisation in modified natural cycle compared with intrauterine insemination with controlled ovarian hyperstimulation. BMI, The, 2015, 350, g7771-g7771.	3.0	107
20	Preimplantation genetic screening: back to the future. Human Reproduction, 2014, 29, 1846-1850.	0.4	101
21	Prediction model for obtaining spermatozoa with testicular sperm extraction in men with non-obstructive azoospermia. Human Reproduction, 2016, 31, 1934-1941.	0.4	87
22	ESHRE PGD consortium data collection VII: cycles from January to December 2004 with pregnancy follow-up to October 2005. Human Reproduction, 2008, 23, 741-755.	0.4	85
23	Female subfertility. Nature Reviews Disease Primers, 2019, 5, 7.	18.1	85
24	Artificial gametes: a systematic review of biological progress towards clinical application. Human Reproduction Update, 2015, 21, 285-296.	5.2	83
25	Transmission of male infertility to future generations: lessons from the Y chromosome. Human Reproduction Update, 2002, 8, 217-229.	5.2	82
26	Y chromosome gr/gr deletions are a risk factor for low semen quality. Human Reproduction, 2009, 24, 2667-2673.	0.4	70
27	Is IVF—served two different ways—more cost-effective than IUI with controlled ovarian hyperstimulation?. Human Reproduction, 2015, 30, 2331-2339.	0.4	68
28	Quantitative Chromatographic Estimation of α-Amino-Acids. Nature, 1948, 161, 763-763.	13.7	66
29	Eliminating acute lymphoblastic leukemia cells from human testicular cell cultures: a pilot study. Fertility and Sterility, 2014, 101, 1072-1078.e1.	0.5	65
30	Subfertility and assisted reproduction techniques are associated with poorer cardiometabolic profiles in childhood. Reproductive BioMedicine Online, 2015, 30, 258-267.	1.1	63
31	Differences in gene expression profiles between human preimplantation embryos cultured in two different IVF culture media. Human Reproduction, 2015, 30, 2303-2311.	0.4	62
32	The human Y chromosome: a masculine chromosome. Current Opinion in Genetics and Development, 2006, 16, 225-232.	1.5	60
33	Establishing reference values for age-related spermatogonial quantity in prepubertal human testes: a systematic review and meta-analysis. Fertility and Sterility, 2016, 106, 1652-1657.e2.	0.5	60
34	Spermatogonial stem cell autotransplantation and germline genomic editing: a future cure for spermatogenic failure and prevention of transmission of genomic diseases. Human Reproduction Update, 2016, 22, 561-573.	5.2	59
35	Prediction models in in vitro fertilization; where are we? A mini review. Journal of Advanced Research, 2014, 5, 295-301.	4.4	56
36	Gene copy number reduction in the azoospermia factor c (AZFc) region and its effect on total motile sperm count. Human Molecular Genetics, 2011, 20, 2457-2463.	1.4	54

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37	Live birth rates after MESA or TESE in men with obstructive azoospermia: is there a difference?. Human Reproduction, 2015, 30, 761-766.	0.4	52
38	The risk of TESE-induced hypogonadism: a systematic review and meta-analysis. Human Reproduction Update, 2018, 24, 442-454.	5.2	52
39	Restoring Fertility in Sterile Childhood Cancer Survivors by Autotransplanting Spermatogonial Stem Cells: Are We There Yet?. BioMed Research International, 2013, 2013, 1-12.	0.9	51
40	Genetic and epigenetic stability of human spermatogonial stem cells during long-term culture. Fertility and Sterility, 2014, 102, 1700-1707.e1.	0.5	50
41	Reproductive medicine: still more <scp>ART</scp> than science?. BJOG: an International Journal of Obstetrics and Gynaecology, 2019, 126, 138-141.	1.1	49
42	Effects of inÂvitro fertilization and maternal characteristics on perinatal outcomes: a population-based study using siblings. Fertility and Sterility, 2016, 105, 590-598.e2.	0.5	47
43	Unravelling the genetics of spermatogenic failure. Reproduction, 2010, 139, 303-307.	1.1	46
44	Massive expression of germ cell-specific genes is a hallmark of cancer and a potential target for novel treatment development. Oncogene, 2018, 37, 5694-5700.	2.6	45
45	Use of the total motile sperm count to predict total fertilization failure in in vitro fertilization. Fertility and Sterility, 2002, 78, 22-28.	0.5	43
46	Perceptions of oocyte banking from women intending to circumvent ageâ€related fertility decline. Acta Obstetricia Et Gynecologica Scandinavica, 2016, 95, 1396-1401.	1.3	43
47	Enrichment of spermatogonial stem cells from long-term cultured human testicular cells. Fertility and Sterility, 2014, 102, 558-565.e5.	0.5	42
48	Assessment of fresh and cryopreserved testicular tissues from (pre)pubertal boys during organ culture as a strategy for in vitro spermatogenesis. Human Reproduction, 2019, 34, 2443-2455.	0.4	41
49	Preferences of subfertile women regarding elective single embryo transfer: additional in vitro fertilization cycles are acceptable, lower pregnancy rates are not. Fertility and Sterility, 2007, 88, 1006-1009.	0.5	40
50	Role for rodent Smc6 in pericentromeric heterochromatin domains during spermatogonial differentiation and meiosis. Cell Death and Disease, 2013, 4, e749-e749.	2.7	40
51	Selection of embryos for transfer in IVF: ranking embryos based on their implantation potential using morphological scoring. Reproductive BioMedicine Online, 2014, 29, 222-230.	1.1	40
52	Minimal stimulation IVF vs conventional IVF: a randomized controlled trial. American Journal of Obstetrics and Gynecology, 2016, 214, 96.e1-96.e8.	0.7	38
53	Development of the testis in pre-pubertal boys with cancer after biopsy for fertility preservation. Human Reproduction, 2017, 32, 2366-2372.	0.4	38
54	Mesenchymal origin of multipotent human testis-derived stem cells in human testicular cell cultures. Molecular Human Reproduction, 2014, 20, 155-167.	1.3	36

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55	Follicle stimulating hormone versus clomiphene citrate in intrauterine insemination for unexplained subfertility: a randomized controlled trial. Human Reproduction, 2018, 33, 1866-1874.	0.4	36
56	The SMC5/6 Complex Is Involved in Crucial Processes During Human Spermatogenesis1. Biology of Reproduction, 2014, 91, 22.	1.2	34
57	A protocol developing, disseminating and implementing a core outcome set for infertility. Human Reproduction Open, 2018, 2018, hoy007.	2.3	33
58	Factors affecting the gene expression of <i>in vitro</i> cultured human preimplantation embryos. Human Reproduction, 2016, 31, dev306.	0.4	32
59	The composition of human preimplantation embryo culture media and their stability during storage and culture. Human Reproduction, 2019, 34, 1450-1461.	0.4	32
60	A comprehensive gene mutation screen in men with asthenozoospermia. Fertility and Sterility, 2011, 95, 1020-1024.e9.	0.5	31
61	"Patient-centered fertility treatment": what is required?. Fertility and Sterility, 2014, 101, 924-926.	0.5	29
62	Potential consequences of clinical application of artificial gametes: a systematic review of stakeholder views. Human Reproduction Update, 2015, 21, 297-309.	5.2	29
63	The ethics of clinical applications of germline genome modification: a systematic review of reasons. Human Reproduction, 2018, 33, 1777-1796.	0.4	29
64	Distinct prophase arrest mechanisms in human male meiosis. Development (Cambridge), 2018, 145, .	1.2	28
65	Prediction model for live birth in ICSI using testicular extracted sperm. Human Reproduction, 2016, 31, 1942-1951.	0.4	27
66	High-quality human preimplantation embryos actively influence endometrial stromal cell migration. Journal of Assisted Reproduction and Genetics, 2018, 35, 659-667.	1.2	27
67	Long-term health in recipients of transplanted in vitro propagated spermatogonial stem cells. Human Reproduction, 2018, 33, 81-90.	0.4	27
68	Perspectives of couples with high risk of transmitting genetic disorders. Fertility and Sterility, 2010, 94, 1239-1243.	0.5	26
69	IUI in male subfertility: are we able to select the proper patients?. Reproductive BioMedicine Online, 2005, 11, 624-631.	1.1	25
70	Cost-effectiveness of assisted conception for male subfertility. Reproductive BioMedicine Online, 2015, 30, 659-666.	1.1	25
71	Impact of assisted reproductive technology on the incidence ofÂmultiple-gestation infants: aÂpopulation perspective. Fertility and Sterility, 2015, 103, 179-183.	0.5	25
72	Non-SMC Element 2 (NSMCE2) of the SMC5/6 Complex Helps to Resolve Topological Stress. International Journal of Molecular Sciences, 2016, 17, 1782.	1.8	25

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73	Limitations of Embryo Selection Methods. Seminars in Reproductive Medicine, 2014, 32, 127-133.	0.5	24
74	Assisted reproductive technologies for male subfertility. The Cochrane Library, 2016, 2016, CD000360.	1.5	24
75	Reproductive outcomes after oocyte banking for fertility preservation. Reproductive BioMedicine Online, 2018, 37, 425-433.	1.1	24
76	The importance of genetic parenthood for infertile men and women. Human Reproduction, 2017, 32, 2076-2087.	0.4	23
77	High-quality human preimplantation embryos stimulate endometrial stromal cell migration via secretion of microRNA hsa-miR-320a. Human Reproduction, 2020, 35, 1797-1807.	0.4	23
78	Constructing the crystal ball: how to get reliable prognostic information for the management of subfertile couples. Human Reproduction, 2017, 32, 2153-2158.	0.4	22
79	The influence of retinoic acid-induced differentiation on the radiation response of male germline stem cells. DNA Repair, 2018, 70, 55-66.	1.3	22
80	Reasons for being in favour of or against genome modification: a survey of the Dutch general public. Human Reproduction Open, 2018, 2018, hoy008.	2.3	22
81	Clinical relevance of partial AZFc deletions. Fertility and Sterility, 2002, 78, 1209-1214.	0.5	21
82	Risk of poor neonatal outcome at term after medically assisted reproduction: a propensity score–matched study. Fertility and Sterility, 2015, 104, 384-390.e1.	0.5	20
83	Cost-effectiveness of single versus double embryo transfer in IVF in relation to female age. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2017, 214, 25-30.	0.5	19
84	Primary human testicular PDGFRα+ cells are multipotent and can be differentiated into cells with Leydig cell characteristics in vitro. Human Reproduction, 2019, 34, 1621-1631.	0.4	19
85	Assessment of Chlamydia trachomatis infection of semen specimens by ligase chain reaction. Journal of Medical Microbiology, 2003, 52, 777-779.	0.7	18
86	The use of spermHALO-FISH to determine DAZ gene copy number. Molecular Human Reproduction, 2003, 9, 183-188.	1.3	18
87	A novel partial deletion of the Y chromosome azoospermia factor c region is caused by non-homologous recombination between palindromes and may be associated with increased sperm counts. Human Reproduction, 2011, 26, 713-723.	0.4	18
88	IUI and IVF for unexplained subfertility: where did we go wrong?. Human Reproduction, 2016, 31, 2665-2667.	0.4	18
89	Strains matter: Success of murine in vitro spermatogenesis is dependent on genetic background. Developmental Biology, 2019, 456, 25-30.	0.9	17
90	Perspectives of infertile men on future stem cell treatments for nonobstructive azoospermia. Reproductive BioMedicine Online, 2014, 28, 650-657.	1.1	16

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91	Behavioral, cognitive, and motor performance and physical development of five-year-old children who were born after intracytoplasmic sperm injection with the use of testicular sperm. Fertility and Sterility, 2016, 106, 1673-1682.e5.	0.5	16
92	Evidence-based medicine and infertility treatment. Lancet, The, 2019, 393, 380-382.	6.3	16
93	Trivial role for NSMCE2 during in vitro proliferation and differentiation of male germline stem cells. Reproduction, 2017, 154, 181-195.	1.1	15
94	Effect of parental and ART treatment characteristics on perinatal outcomes. Human Reproduction, 2021, 36, 1640-1665.	0.4	15
95	Premature expression of the decidualization marker prolactin is associated with repeated implantation failure. Gynecological Endocrinology, 2020, 36, 360-364.	0.7	13
96	Psychosocial counselling of identifiable sperm donors. Human Reproduction, 2016, 31, 1066-1074.	0.4	12
97	The relative importance of genetic parenthood. Reproductive BioMedicine Online, 2019, 39, 103-110.	1.1	12
98	Nurturing Societal Values in and Through Health Innovations Comment on "What Health System Challenges Should Responsible Innovation in Health Address?". International Journal of Health Policy and Management, 2019, 8, 613-615.	0.5	12
99	IVF or IUI as first-line treatment in unexplained subfertility: the conundrum of treatment selection markers. Human Reproduction, 2017, 32, 1028-1032.	0.4	11
100	A practical blueprint to systematically study life-long health consequences of novel medically assisted reproductive treatments. Human Reproduction, 2018, 33, 784-792.	0.4	11
101	A comparative analysis of human adult testicular cells expressing stem Leydig cell markers in the interstitium, vasculature, and peritubular layer. Andrology, 2020, 8, 1265-1276.	1.9	11
102	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.	0.4	11
103	CAG repeat length variation in the polymerase gamma (POLG) gene: effect on semen quality. Molecular Human Reproduction, 2008, 14, 245-249.	1.3	10
104	Age-related gene expression profiles of immature human oocytes. Molecular Human Reproduction, 2018, 24, 469-477.	1.3	10
105	<i>AZFc</i> deletions do not affect the function of human spermatogonia <i>in vitro</i> . Molecular Human Reproduction, 2015, 21, 553-562.	1.3	9
106	pH stability of human preimplantation embryo culture media: effects of culture and batches. Reproductive BioMedicine Online, 2018, 37, 409-414.	1.1	9
107	Gonadotrophins or clomiphene citrate in couples with unexplained infertility undergoing intrauterine insemination: a cost-effectiveness analysis. Reproductive BioMedicine Online, 2020, 40, 99-104.	1.1	9
108	Comparing genome-scale DNA methylation and CNV marks between adult human cultured ITGA6+ testicular cells and seminomas to assess in vitro genomic stability. PLoS ONE, 2020, 15, e0230253.	1.1	9

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109	Couples with non-obstructive azoospermia are interested in future treatments with artificial gametes. Human Reproduction, 2016, 31, 1738-1748.	0.4	8
110	The acceptability of stem cell-based fertility treatments for different indications. Molecular Human Reproduction, 2017, 23, 855-863.	1.3	8
111	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.	2.3	8
112	The â€~Pleasure&Pregnancy' web-based interactive educational programme versus expectant management in the treatment of unexplained subfertility: protocol for a randomised controlled trial. BMJ Open, 2019, 9, e025845.	0.8	8
113	Broad support for regulating the clinical implementation of future reproductive techniques. Human Reproduction, 2018, 33, 39-46.	0.4	7
114	Pregnancy and twinning rates using a tailored embryo transfer policy. Reproductive BioMedicine Online, 2013, 26, 462-469.	1.1	6
115	Endometrial thickness as a biomarker for ongoing pregnancy in IUI for unexplained subfertility: a secondary analysis. Human Reproduction Open, 2020, 2020, hoz024.	2.3	6
116	Temporal and Developmental-Stage Variation in the Occurrence of Mitotic Errors in Tripronuclear Human Preimplantation Embryos1. Biology of Reproduction, 2013, 89, 42.	1.2	5
117	Should germline genome editing be allowed? The effect of treatment characteristics on public acceptability. Human Reproduction, 2021, 36, 465-478.	0.4	5
118	Development and validation of the FertiMed questionnaire assessing patients' experiences with hormonal fertility medication. Human Reproduction, 2016, 31, 1799-1808.	0.4	4
119	Orchidopexy for bilateral undescended testes: A multicentre study on its effects on fertility and comparison of two fixation techniques. Andrologia, 2019, 51, e13194.	1.0	4
120	Simultaneous Purification of Round and Elongated Spermatids from Testis Tissue Using a FACSâ€Based DNA Ploidy Assay. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 309-313.	1.1	4
121	ITGA6+ Human Testicular Cell Populations Acquire a Mesenchymal Rather than Germ Cell Transcriptional Signature during Long-Term Culture. International Journal of Molecular Sciences, 2020, 21, 8269.	1.8	4
122	High incidence of outcome switching observed in follow-up publications of randomized controlled trials: Meta-research study. Journal of Clinical Epidemiology, 2021, 137, 236-240.	2.4	4
123	Evaluation of ribonucleic acid amplification protocols for human oocyte transcriptome analysis. Fertility and Sterility, 2016, 105, 511-519.e4.	0.5	3
124	The SUPER study: protocol for a randomised controlled trial comparing follicle-stimulating hormone and clomiphene citrate for ovarian stimulation in intrauterine insemination. BMJ Open, 2017, 7, e015680.	0.8	3
125	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
126	Current controversies in prenatal diagnosis 1: Is aneuploidy testing by PGD indicated for all infertile patients undergoing IVF?. Prenatal Diagnosis, 2009, 29, 2-5.	1.1	2

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127	Should the individual preterm birth risk be incorporated into the embryo transfer policy in <i>inÂvitro</i> fertilisation? A decision analysis. BJOG: an International Journal of Obstetrics and Gynaecology, 2015, 122, 825-833.	1.1	2
128	Factor V Leiden is associated with increased sperm count. Human Reproduction, 2017, 32, 2332-2339.	0.4	2
129	Follicle stimulating hormone or clomiphene citrate in intrauterine insemination with ovarian stimulation for unexplained subfertility: a role for treatment selection markers?. Reproductive BioMedicine Online, 2019, 38, 938-942.	1.1	2
130	Hormonal medication in medically assisted reproduction: a systematic review of assessments from patients. Reproductive BioMedicine Online, 2019, 38, 341-363.	1.1	2
131	The stepwise development of an interactive web-based sex education programme for subfertile couples: the Pleasure & Pregnancy programme. Human Reproduction, 2020, 35, 1839-1854.	0.4	2
132	In Vitro Maturation of Oocytes in Women at Risk of Ovarian Hyperstimulation Syndrome-A Prospective Multicenter Cohort Study. International Journal of Fertility & Sterility, 2019, 13, 38-44.	0.2	1
133	The AID study: protocol for a randomised controlled trial of intrauterine insemination in the natural cycle compared with intracervical insemination in the natural cycle. BMJ Open, 2019, 9, e026065.	0.8	1
134	Essentiality of biological plausibility. Fertility and Sterility, 2013, 99, 1557.	0.5	0
135	Reply II: Embryo culture media effects. Human Reproduction, 2016, 32, 717-718.	0.4	0
136	Intracervical insemination versus intrauterine insemination with cryopreserved donor sperm in the natural cycle: a randomized controlled trial. Human Reproduction, 2022, 37, 1175-1182.	0.4	0