

Sjoerd Repping

List of Publications by Citations

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137
papers

7,497
citations

38
h-index

85
g-index

140
ext. papers

8,616
ext. citations

7.1
avg. IF

5.66
L-index

#	Paper	IF	Citations
137	The male-specific region of the human Y chromosome is a mosaic of discrete sequence classes. <i>Nature</i> , 2003 , 423, 825-37	50.4	1558
136	In vitro fertilization with preimplantation genetic screening. <i>New England Journal of Medicine</i> , 2007 , 357, 9-17	59.2	558
135	Recombination between palindromes P5 and P1 on the human Y chromosome causes massive deletions and spermatogenic failure. <i>American Journal of Human Genetics</i> , 2002 , 71, 906-22	11	351
134	Polymorphism for a 1.6-Mb deletion of the human Y chromosome persists through balance between recurrent mutation and haploid selection. <i>Nature Genetics</i> , 2003 , 35, 247-51	36.3	339
133	Preimplantation genetic screening: a systematic review and meta-analysis of RCTs. <i>Human Reproduction Update</i> , 2011 , 17, 454-66	15.8	305
132	Propagation of human spermatogonial stem cells in vitro. <i>JAMA - Journal of the American Medical Association</i> , 2009 , 302, 2127-34	27.4	279
131	High mutation rates have driven extensive structural polymorphism among human Y chromosomes. <i>Nature Genetics</i> , 2006 , 38, 463-7	36.3	202
130	Four DAZ genes in two clusters found in the AZFc region of the human Y chromosome. <i>Genomics</i> , 2000 , 67, 256-67	4.3	196
129	Chromosomal mosaicism in human preimplantation embryos: a systematic review. <i>Human Reproduction Update</i> , 2011 , 17, 620-7	15.8	185
128	Measuring Sperm DNA Fragmentation and Clinical Outcomes of Medically Assisted Reproduction: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2016 , 11, e0165125	3.7	173
127	In vitro propagation of human prepubertal spermatogonial stem cells. <i>JAMA - Journal of the American Medical Association</i> , 2011 , 305, 2416-8	27.4	167
126	A family of human Y chromosomes has dispersed throughout northern Eurasia despite a 1.8-Mb deletion in the azoospermia factor c region. <i>Genomics</i> , 2004 , 83, 1046-52	4.3	166
125	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
124	Molecular control of rodent spermatogenesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 1838-50	6.9	127
123	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
122	Preimplantation genetic screening: back to the future. <i>Human Reproduction</i> , 2014 , 29, 1846-50	5.7	86
121	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. <i>BMJ</i> , 2015 , 350, g7771	5.9	82

120	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
119	Unraveling transcriptome dynamics in human spermatogenesis. <i>Development (Cambridge)</i> , 2017 , 144, 3659-3673	6.6	80
118	ESHRE PGD consortium data collection VII: cycles from January to December 2004 with pregnancy follow-up to October 2005. <i>Human Reproduction</i> , 2008 , 23, 741-55	5.7	79
117	Fresh versus frozen embryo transfers in assisted reproduction. <i>The Cochrane Library</i> , 2017 , 3, CD011184	5.2	75
116	Transmission of male infertility to future generations: lessons from the Y chromosome. <i>Human Reproduction Update</i> , 2002 , 8, 217-29	15.8	69
115	Prediction model for obtaining spermatozoa with testicular sperm extraction in men with non-obstructive azoospermia. <i>Human Reproduction</i> , 2016 , 31, 1934-41	5.7	63
114	Y chromosome gr/gr deletions are a risk factor for low semen quality. <i>Human Reproduction</i> , 2009 , 24, 2667-73	5.7	63
113	Artificial gametes: a systematic review of biological progress towards clinical application. <i>Human Reproduction Update</i> , 2015 , 21, 285-96	15.8	61
112	The human Y chromosome: a masculine chromosome. <i>Current Opinion in Genetics and Development</i> , 2006 , 16, 225-32	4.9	52
111	Eliminating acute lymphoblastic leukemia cells from human testicular cell cultures: a pilot study. <i>Fertility and Sterility</i> , 2014 , 101, 1072-1078.e1	4.8	48
110	Quantitative chromatographic estimation of alpha-amino-acids. <i>Nature</i> , 1948 , 161, 763	50.4	48
109	Is IVF-served two different ways-more cost-effective than IUI with controlled ovarian hyperstimulation?. <i>Human Reproduction</i> , 2015 , 30, 2331-9	5.7	47
108	Prediction models in in vitro fertilization; where are we? A mini review. <i>Journal of Advanced Research</i> , 2014 , 5, 295-301	13	46
107	Restoring fertility in sterile childhood cancer survivors by autotransplanting spermatogonial stem cells: are we there yet?. <i>BioMed Research International</i> , 2013 , 2013, 903142	3	46
106	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
105	Subfertility and assisted reproduction techniques are associated with poorer cardiometabolic profiles in childhood. <i>Reproductive BioMedicine Online</i> , 2015 , 30, 258-67	4	44
104	Spermatogonial stem cell autotransplantation and germline genomic editing: a future cure for spermatogenic failure and prevention of transmission of genomic diseases. <i>Human Reproduction Update</i> , 2016 , 22, 561-73	15.8	44
103	Gene copy number reduction in the azoospermia factor c (AZFc) region and its effect on total motile sperm count. <i>Human Molecular Genetics</i> , 2011 , 20, 2457-63	5.6	42

102	Unravelling the genetics of spermatogenic failure. <i>Reproduction</i> , 2010 , 139, 303-7	3.8	41
101	Genetic and epigenetic stability of human spermatogonial stem cells during long-term culture. <i>Fertility and Sterility</i> , 2014 , 102, 1700-7.e1	4.8	40
100	Live birth rates after MESA or TESE in men with obstructive azoospermia: is there a difference?. <i>Human Reproduction</i> , 2015 , 30, 761-6	5.7	38
99	Reproductive medicine: still more ART than science?. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2019 , 126, 138-141	3.7	35
98	Female subfertility. <i>Nature Reviews Disease Primers</i> , 2019 , 5, 7	51.1	34
97	Establishing reference values for age-related spermatogonial quantity in prepubertal human testes: a systematic review and meta-analysis. <i>Fertility and Sterility</i> , 2016 , 106, 1652-1657.e2	4.8	34
96	Enrichment of spermatogonial stem cells from long-term cultured human testicular cells. <i>Fertility and Sterility</i> , 2014 , 102, 558-565.e5	4.8	33
95	Selection of embryos for transfer in IVF: ranking embryos based on their implantation potential using morphological scoring. <i>Reproductive BioMedicine Online</i> , 2014 , 29, 222-30	4	33
94	Use of the total motile sperm count to predict total fertilization failure in in vitro fertilization. <i>Fertility and Sterility</i> , 2002 , 78, 22-8	4.8	33
93	Mesenchymal origin of multipotent human testis-derived stem cells in human testicular cell cultures. <i>Molecular Human Reproduction</i> , 2014 , 20, 155-67	4.4	32
92	Role for rodent Smc6 in pericentromeric heterochromatin domains during spermatogonial differentiation and meiosis. <i>Cell Death and Disease</i> , 2013 , 4, e749	9.8	32
91	Preferences of subfertile women regarding elective single embryo transfer: additional in vitro fertilization cycles are acceptable, lower pregnancy rates are not. <i>Fertility and Sterility</i> , 2007 , 88, 1006-9	4.8	32
90	Perceptions of oocyte banking from women intending to circumvent age-related fertility decline. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2016 , 95, 1396-1401	3.8	32
89	The risk of TESE-induced hypogonadism: a systematic review and meta-analysis. <i>Human Reproduction Update</i> , 2018 , 24, 442-454	15.8	30
88	Massive expression of germ cell-specific genes is a hallmark of cancer and a potential target for novel treatment development. <i>Oncogene</i> , 2018 , 37, 5694-5700	9.2	30
87	A protocol developing, disseminating and implementing a core outcome set for infertility. <i>Human Reproduction Open</i> , 2018 , 2018, hoy007	6.1	30
86	Effects of in vitro fertilization and maternal characteristics on perinatal outcomes: a population-based study using siblings. <i>Fertility and Sterility</i> , 2016 , 105, 590-598.e2	4.8	28
85	Minimal stimulation IVF vs conventional IVF: a randomized controlled trial. <i>American Journal of Obstetrics and Gynecology</i> , 2016 , 214, 96.e1-8	6.4	28

84	Potential consequences of clinical application of artificial gametes: a systematic review of stakeholder views. <i>Human Reproduction Update</i> , 2015 , 21, 297-309	15.8	28
83	Factors affecting the gene expression of in vitro cultured human preimplantation embryos. <i>Human Reproduction</i> , 2016 , 31, 298-311	5.7	25
82	A comprehensive gene mutation screen in men with asthenozoospermia. <i>Fertility and Sterility</i> , 2011 , 95, 1020-4.e1-9	4.8	25
81	Development of the testis in pre-pubertal boys with cancer after biopsy for fertility preservation. <i>Human Reproduction</i> , 2017 , 32, 2366-2372	5.7	24
80	Long-term health in recipients of transplanted in vitro propagated spermatogonial stem cells. <i>Human Reproduction</i> , 2018 , 33, 81-90	5.7	23
79	IUI in male subfertility: are we able to select the proper patients?. <i>Reproductive BioMedicine Online</i> , 2005 , 11, 624-31	4	23
78	Perspectives of couples with high risk of transmitting genetic disorders. <i>Fertility and Sterility</i> , 2010 , 94, 1239-1243	4.8	22
77	Follicle stimulating hormone versus clomiphene citrate in intrauterine insemination for unexplained subfertility: a randomized controlled trial. <i>Human Reproduction</i> , 2018 , 33, 1866-1874	5.7	21
76	"Patient-centered fertility treatment": what is required?. <i>Fertility and Sterility</i> , 2014 , 101, 924-6	4.8	21
75	Impact of assisted reproductive technology on the incidence of multiple-gestation infants: a population perspective. <i>Fertility and Sterility</i> , 2015 , 103, 179-83	4.8	20
74	The SMC5/6 complex is involved in crucial processes during human spermatogenesis. <i>Biology of Reproduction</i> , 2014 , 91, 22	3.9	20
73	The ethics of clinical applications of germline genome modification: a systematic review of reasons. <i>Human Reproduction</i> , 2018 , 33, 1777-1796	5.7	19
72	The importance of genetic parenthood for infertile men and women. <i>Human Reproduction</i> , 2017 , 32, 2076-2087	5.7	19
71	Clinical relevance of partial AZFc deletions. <i>Fertility and Sterility</i> , 2002 , 78, 1209-14	4.8	19
70	Assessment of fresh and cryopreserved testicular tissues from (pre)pubertal boys during organ culture as a strategy for in vitro spermatogenesis. <i>Human Reproduction</i> , 2019 , 34, 2443-2455	5.7	19
69	Constructing the crystal ball: how to get reliable prognostic information for the management of subfertile couples. <i>Human Reproduction</i> , 2017 , 32, 2153-2158	5.7	18
68	Distinct prophase arrest mechanisms in human male meiosis. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	18
67	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

66	Cost-effectiveness of assisted conception for male subfertility. <i>Reproductive BioMedicine Online</i> , 2015 , 30, 659-66	4	18
65	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. <i>Human Reproduction</i> , 2011 , 26, 713-23	5.7	17
64	Prediction model for live birth in ICSI using testicular extracted sperm. <i>Human Reproduction</i> , 2016 , 31, 1942-51	5.7	16
63	Limitations of embryo selection methods. <i>Seminars in Reproductive Medicine</i> , 2014 , 32, 127-33	1.4	16
62	Assessment of Chlamydia trachomatis infection of semen specimens by ligase chain reaction. <i>Journal of Medical Microbiology</i> , 2003 , 52, 777-779	3.2	16
61	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
60	Non-SMC Element 2 (NSMCE2) of the SMC5/6 Complex Helps to Resolve Topological Stress. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	15
59	Assisted reproductive technologies for male subfertility. <i>The Cochrane Library</i> , 2016 , 2, CD000360	5.2	15
58	IUI and IVF for unexplained subfertility: where did we go wrong?. <i>Human Reproduction</i> , 2016 , 31, 2665-2667	5.7	15
57	Risk of poor neonatal outcome at term after medically assisted reproduction: a propensity score-matched study. <i>Fertility and Sterility</i> , 2015 , 104, 384-90.e1	4.8	14
56	Perspectives of infertile men on future stem cell treatments for nonobstructive azoospermia. <i>Reproductive BioMedicine Online</i> , 2014 , 28, 650-7	4	14
55	The use of spermHALO-FISH to determine DAZ gene copy number. <i>Molecular Human Reproduction</i> , 2003 , 9, 183-8	4.4	14
54	Reproductive outcomes after oocyte banking for fertility preservation. <i>Reproductive BioMedicine Online</i> , 2018 , 37, 425-433	4	14
53	Trivial role for NSMCE2 during proliferation and differentiation of male germline stem cells. <i>Reproduction</i> , 2017 , 154, 181-195	3.8	13
52	Primary human testicular PDGFR α cells are multipotent and can be differentiated into cells with Leydig cell characteristics in vitro. <i>Human Reproduction</i> , 2019 , 34, 1621-1631	5.7	13
51	Evidence-based medicine and infertility treatment. <i>Lancet, The</i> , 2019 , 393, 380-382	4.0	12
50	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
49	A practical blueprint to systematically study life-long health consequences of novel medically assisted reproductive treatments. <i>Human Reproduction</i> , 2018 , 33, 784-792	5.7	11

48	Reasons for being in favour of or against genome modification: a survey of the Dutch general public. <i>Human Reproduction Open</i> , 2018 , 2018, hoy008	6.1	11
47	Strains matter: Success of murine in vitro spermatogenesis is dependent on genetic background. <i>Developmental Biology</i> , 2019 , 456, 25-30	3.1	10
46	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
45	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. <i>Fertility and Sterility</i> , 2016 , 106, 1673-1682.e5	4.8	9
44	Psychosocial counselling of identifiable sperm donors. <i>Human Reproduction</i> , 2016 , 31, 1066-74	5.7	9
43	IVF or IUI as first-line treatment in unexplained subfertility: the conundrum of treatment selection markers. <i>Human Reproduction</i> , 2017 , 32, 1028-1032	5.7	9
42	CAG repeat length variation in the polymerase gamma (POLG) gene: effect on semen quality. <i>Molecular Human Reproduction</i> , 2008 , 14, 245-9	4.4	8
41	The Pleasure&PregnancyPweb-based interactive educational programme versus expectant management in the treatment of unexplained subfertility: protocol for a randomised controlled trial. <i>BMJ Open</i> , 2019 , 9, e025845	3	8
40	pH stability of human preimplantation embryo culture media: effects of culture and batches. <i>Reproductive BioMedicine Online</i> , 2018 , 37, 409-414	4	8
39	Cost-effectiveness of single versus double embryo transfer in IVF in relation to female age. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2017 , 214, 25-30	2.4	7
38	AZFc deletions do not affect the function of human spermatogonia in vitro. <i>Molecular Human Reproduction</i> , 2015 , 21, 553-62	4.4	7
37	Age-related gene expression profiles of immature human oocytes. <i>Molecular Human Reproduction</i> , 2018 , 24, 469-477	4.4	7
36	Premature expression of the decidualization marker prolactin is associated with repeated implantation failure. <i>Gynecological Endocrinology</i> , 2020 , 36, 360-364	2.4	7
35	The acceptability of stem cell-based fertility treatments for different indications. <i>Molecular Human Reproduction</i> , 2017 , 23, 855-863	4.4	6
34	The relative importance of genetic parenthood. <i>Reproductive BioMedicine Online</i> , 2019 , 39, 103-110	4	6
33	A comparative analysis of human adult testicular cells expressing stem Leydig cell markers in the interstitium, vasculature, and peritubular layer. <i>Andrology</i> , 2020 , 8, 1265-1276	4.2	6
32	Couples with non-obstructive azoospermia are interested in future treatments with artificial gametes. <i>Human Reproduction</i> , 2016 , 31, 1738-48	5.7	6
31	Broad support for regulating the clinical implementation of future reproductive techniques. <i>Human Reproduction</i> , 2018 , 33, 39-46	5.7	5

30	Nurturing Societal Values in and Through Health Innovations Comment on "What Health System Challenges Should Responsible Innovation in Health Address?". <i>International Journal of Health Policy and Management</i> , 2019 , 8, 613-615	2.5	5
29	Comparing genome-scale DNA methylation and CNV marks between adult human cultured ITGA6+ testicular cells and seminomas to assess in vitro genomic stability. <i>PLoS ONE</i> , 2020 , 15, e0230253	3.7	4
28	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
27	Pregnancy and twinning rates using a tailored embryo transfer policy. <i>Reproductive BioMedicine Online</i> , 2013 , 26, 462-9	4	4
26	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
25	Gonadotrophins or clomiphene citrate in couples with unexplained infertility undergoing intrauterine insemination: a cost-effectiveness analysis. <i>Reproductive BioMedicine Online</i> , 2020 , 40, 99-104	4	4
24	Development and validation of the FertiMed questionnaire assessing patients' experiences with hormonal fertility medication. <i>Human Reproduction</i> , 2016 , 31, 1799-808	5.7	3
23	Evaluation of ribonucleic acid amplification protocols for human oocyte transcriptome analysis. <i>Fertility and Sterility</i> , 2016 , 105, 511-9.e4	4.8	3
22	Should germline genome editing be allowed? The effect of treatment characteristics on public acceptability. <i>Human Reproduction</i> , 2021 , 36, 465-478	5.7	3
21	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
20	The SUPER study: protocol for a randomised controlled trial comparing follicle-stimulating hormone and clomiphene citrate for ovarian stimulation in intrauterine insemination. <i>BMJ Open</i> , 2017 , 7, e015680	3	2
19	Factor V Leiden is associated with increased sperm count. <i>Human Reproduction</i> , 2017 , 32, 2332-2339	5.7	2
18	Should the individual preterm birth risk be incorporated into the embryo transfer policy in in vitro fertilisation? A decision analysis. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2015 , 122, 825-833	3.7	2
17	Endometrial thickness as a biomarker for ongoing pregnancy in IUI for unexplained subfertility: a secondary analysis. <i>Human Reproduction Open</i> , 2020 , 2020, hoz024	6.1	2
16	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
15	Current controversies in prenatal diagnosis 1: Is aneuploidy testing by PGD indicated for all infertile patients undergoing IVF?. <i>Prenatal Diagnosis</i> , 2009 , 29, 2-5	3.2	2
14	Effect of parental and ART treatment characteristics on perinatal outcomes. <i>Human Reproduction</i> , 2021 , 36, 1640-1665	5.7	2
13	Orchidopexy for bilateral undescended testes: A multicentre study on its effects on fertility and comparison of two fixation techniques. <i>Andrologia</i> , 2019 , 51, e13194	2.4	2

12	High incidence of outcome switching observed in follow-up publications of randomized controlled trials: Meta-research study. <i>Journal of Clinical Epidemiology</i> , 2021 , 137, 236-240	5.7	2
11	Follicle stimulating hormone or clomiphene citrate in intrauterine insemination with ovarian stimulation for unexplained subfertility: a role for treatment selection markers?. <i>Reproductive BioMedicine Online</i> , 2019 , 38, 938-942	4	1
10	Hormonal medication in medically assisted reproduction: a systematic review of assessments from patients. <i>Reproductive BioMedicine Online</i> , 2019 , 38, 341-363	4	1
9	ITGA6+ Human Testicular Cell Populations Acquire a Mesenchymal Rather than Germ Cell Transcriptional Signature during Long-Term Culture. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
8	In Vitro Maturation of Oocytes in Women at Risk of Ovarian Hyperstimulation Syndrome-A Prospective Multicenter Cohort Study. <i>International Journal of Fertility & Sterility</i> , 2019 , 13, 38-44	1.9	1
7	Massive expression of germ cell specific genes is a hallmark of cancer and a potential target for novel treatment development		1
6	The stepwise development of an interactive web-based sex education programme for subfertile couples: the Pleasure & Pregnancy programme. <i>Human Reproduction</i> , 2020 , 35, 1839-1854	5.7	1
5	Simultaneous Purification of Round and Elongated Spermatids from Testis Tissue Using a FACS-Based DNA Ploidy Assay. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019 , 95, 309-313	4.6	1
4	The AID study: protocol for a randomised controlled trial of intrauterine insemination in the natural cycle compared with intracervical insemination in the natural cycle. <i>BMJ Open</i> , 2019 , 9, e026065	3	0
3	Essentiality of biological plausibility. <i>Fertility and Sterility</i> , 2013 , 99, 1557	4.8	
2	Pharmacokinetic Profiles of Nevirapine and Indinavir in Various Fractions of Seminal Plasma. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 941-941	5.9	
1	Reply II: Embryo culture media effects. <i>Human Reproduction</i> , 2017 , 32, 717-718	5.7	