

# Geert Hamer

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,151  
citations

257101

24  
h-index

243296

44  
g-index

52  
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52  
docs citations

52  
times ranked

2841  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro spermatogenesis: Why meiotic checkpoints matter. <i>Current Topics in Developmental Biology</i> , 2023, , 345-369.	1.0	3
2	Spermatogonial Stem Cell-Based Therapies: Taking Preclinical Research to the Next Level. <i>Frontiers in Endocrinology</i> , 2022, 13, 850219.	1.5	7
3	Longevity pathways are associated with human ovarian ageing. <i>Human Reproduction Open</i> , 2021, 2021, hoab020.	2.3	11
4	The use of spermatogonial stem cells to correct a mutation causing meiotic arrest. <i>Asian Journal of Andrology</i> , 2021, 23, 600.	0.8	4
5	Transcriptional progression during meiotic prophase I reveals sex-specific features and X chromosome dynamics in human fetal female germline. <i>PLoS Genetics</i> , 2021, 17, e1009773.	1.5	8
6	Bi-allelic variants in DNA mismatch repair proteins MutS Homolog <i>MSH4</i> and <i>MSH5</i> cause infertility in both sexes. <i>Human Reproduction</i> , 2021, 37, 178-189.	0.4	18
7	Meiotic Chromosome Synapsis and XY-Body Formation In Vitro. <i>Frontiers in Endocrinology</i> , 2021, 12, 761249.	1.5	7
8	Premature expression of the decidualization marker prolactin is associated with repeated implantation failure. <i>Gynecological Endocrinology</i> , 2020, 36, 360-364.	0.7	13
9	In Vitro Meiosis of Male Germline Stem Cells. <i>Stem Cell Reports</i> , 2020, 15, 1140-1153.	2.3	18
10	Tumors Widely Express Hundreds of Embryonic Germline Genes. <i>Cancers</i> , 2020, 12, 3812.	1.7	12
11	Early cleavage of preimplantation embryos is regulated by tRNA<sup>Gln</sup>-TTG-derived small RNAs present in mature spermatozoa. <i>Journal of Biological Chemistry</i> , 2020, 295, 10885-10900.	1.6	33
12	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
13	Cytogenetic testing of pregnancy loss tissue: a meta-analysis. <i>Reproductive BioMedicine Online</i> , 2020, 40, 867-879.	1.1	23
14	Responsibility of scientific community in claiming to have found an association with recurrent pregnancy loss. <i>Journal of Reproductive Immunology</i> , 2019, 134-135, 34.	0.8	2
15	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
16	Transcription Factor USF1 Is Required for Maintenance of Germline Stem Cells in Male Mice. <i>Endocrinology</i> , 2019, 160, 1119-1136.	1.4	16
17	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
18	Distinct prophase arrest mechanisms in human male meiosis. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	28

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19	Mutations causing specific arrests in the development of mouse primordial germ cells and gonocytes. <i>Biology of Reproduction</i> , 2018, 99, 75-86.	1.2	21
20	Human uterine fluid composition is distinct from clinically used preimplantation embryo culture media. <i>Fertility and Sterility</i> , 2018, 110, e364.	0.5	1
21	Depletion of SMC5/6 sensitizes male germ cells to DNA damage. <i>Molecular Biology of the Cell</i> , 2018, 29, 3003-3016.	0.9	13
22	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
23	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
24	Preantral follicular atresia occurs mainly through autophagy, while antral follicles degenerate mostly through apoptosis. <i>Biology of Reproduction</i> , 2018, 99, 853-863.	1.2	44
25	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.	2.6	45
26	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
27	Unraveling transcriptome dynamics in human spermatogenesis. <i>Development (Cambridge)</i> , 2017, 144, 3659-3673.	1.2	117
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.	2.3	8
29	Non-SMC Element 2 (NSMCE2) of the SMC5/6 Complex Helps to Resolve Topological Stress. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1782.	1.8	25
30	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, 561-573.	5.2	59
31	Resolving complex chromosome structures during meiosis: versatile deployment of Smc5/6. <i>Chromosoma</i> , 2016, 125, 15-27.	1.0	35
32	Measuring Sperm DNA Fragmentation and Clinical Outcomes of Medically Assisted Reproduction: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2016, 11, e0165125.	1.1	252
33	Potential consequences of clinical application of artificial gametes: a systematic review of stakeholder views. <i>Human Reproduction Update</i> , 2015, 21, 297-309.	5.2	29
34	Artificial gametes: a systematic review of biological progress towards clinical application. <i>Human Reproduction Update</i> , 2015, 21, 285-296.	5.2	83
35	Spatial and temporal expression of immunoglobulin superfamily member 1 in the rat. <i>Journal of Endocrinology</i> , 2015, 226, 181-191.	1.2	28
36	The SMC5/6 Complex Is Involved in Crucial Processes During Human Spermatogenesis1. <i>Biology of Reproduction</i> , 2014, 91, 22.	1.2	34

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37	Role for rodent Smc6 in pericentromeric heterochromatin domains during spermatogonial differentiation and meiosis. <i>Cell Death and Disease</i> , 2013, 4, e749-e749.	2.7	40
38	Molecular control of rodent spermatogenesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1838-1850.	1.8	166
39	A photoconvertible reporter of the ubiquitin-proteasome system in vivo. <i>Nature Methods</i> , 2010, 7, 473-478.	9.0	112
40	Disruption of pairing and synapsis of chromosomes causes stage-specific apoptosis of male meiotic cells. <i>Theriogenology</i> , 2008, 69, 333-339.	0.9	57
41	Progression of meiotic recombination requires structural maturation of the central element of the synaptonemal complex. <i>Journal of Cell Science</i> , 2008, 121, 2445-2451.	1.2	123
42	Characterization of a novel meiosis-specific protein within the central element of the synaptonemal complex. <i>Journal of Cell Science</i> , 2006, 119, 4025-4032.	1.2	144
43	Ataxia Telangiectasia Mutated Expression and Activation in the Testis1. <i>Biology of Reproduction</i> , 2004, 70, 1206-1212.	1.2	65
44	DNA Double-Strand Breaks and $\gamma$ -H2AX Signaling in the Testis1. <i>Biology of Reproduction</i> , 2003, 68, 628-634.	1.2	179
45	Intercellular bridges and apoptosis in clones of male germ cells. <i>Journal of Developmental and Physical Disabilities</i> , 2003, 26, 348-353.	3.6	32
46	Function of DNA-Protein Kinase Catalytic Subunit During the Early Meiotic Prophase Without Ku70 and Ku861. <i>Biology of Reproduction</i> , 2003, 68, 717-721.	1.2	50
47	Role for c-Abl and p73 in the radiation response of male germ cells. <i>Oncogene</i> , 2001, 20, 4298-4304.	2.6	53