Ellen Goossens

List of Publications by Citations

89 papers	2,737 citations	30 h-index	50 g-index
96 ext. papers	3,237 ext. citations	4.6 avg, IF	5.2 L-index

#	Paper	IF	Citations
89	A European perspective on testicular tissue cryopreservation for fertility preservation in prepubertal and adolescent boys. *Human Reproduction*, **2015**, 30, 2463-75	5.7	222
88	Preserving the reproductive potential of men and boys with cancer: current concepts and future prospects. *Human Reproduction Update*, **2004**, 10, 525-32	15.8	137
87	The efficiency of magnetic-activated cell sorting and fluorescence-activated cell sorting in the decontamination of testicular cell suspensions in cancer patients. *Human Reproduction*, **2007**, 22, 733-42	5.7	130
86	Spermatogonial survival after grafting human testicular tissue to immunodeficient mice. *Human Reproduction*, **2006**, 21, 390-6	5.7	122
85	Spermatogonial stem cell preservation and transplantation: from research to clinic. *Human Reproduction*, **2013**, 28, 897-907	5.7	110
84	Cryopreservation of testicular tissue or testicular cell suspensions: a pivotal step in fertility preservation. *Human Reproduction Update*, **2016**, 22, 744-761	15.8	109
83	What is the best cryopreservation protocol for human testicular tissue banking?. *Human Reproduction*, **2013**, 28, 1816-26	5.7	91
82	Exome sequencing reveals a nonsense mutation in TEX15 causing spermatogenic failure in a Turkish family. *Human Molecular Genetics*, **2015**, 24, 5581-8	5.6	79
81	Primary Human Testicular Cells Self-Organize into Organoids with Testicular Properties. *Stem Cell Reports*, **2017**, 8, 30-38	8	78
80	Recovery, survival and functional evaluation by transplantation of frozen-thawed mouse germ cells. *Human Reproduction*, **2004**, 19, 948-53	5.7	72
79	Can pubertal boys with Klinefelter syndrome benefit from spermatogonial stem cell banking?. *Human Reproduction*, **2012**, 27, 323-30	5.7	68
78	Meiotic activity in orthotopic xenografts derived from human postpubertal testicular tissue. *Human Reproduction*, **2011**, 26, 282-93	5.7	68
77	Abnormal sperm in mice with targeted deletion of the act (activator of cAMP-responsive element modulator in testis) gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 10620-5	11.5	66
76	Spermatogonial survival in long-term human prepubertal xenografts. *Fertility and Sterility*, **2008**, 90, 2019-22	4.8	64
75	Derivation and characterization of a cytocompatible scaffold from human testis. *Human Reproduction*, **2015**, 30, 256-67	5.7	62
74	Reproductive capacity of sperm obtained after germ cell transplantation in a mouse model. *Human Reproduction*, **2003**, 18, 1874-80	5.7	59
73	Cryosurvival and spermatogenesis after allografting prepubertal mouse tissue: comparison of two cryopreservation protocols. *Fertility and Sterility*, **2008**, 89, 725-7	4.8	54

72	Autologous spermatogonial stem cell transplantation in man: current obstacles for a future clinical application. *Human Reproduction Update*, **2008**, 14, 121-30	15.8	52
71	Regeneration of spermatogenesis by grafting testicular tissue or injecting testicular cells into the testes of sterile mice: a comparative study. *Fertility and Sterility*, **2009**, 91, 2264-72	4.8	48
70	Fertility preservation in boys: recent developments and new insights. *Human Reproduction Open*, **2020**, 2020, hoaa016	6.1	47
69	Orthotopic grafting of cryopreserved prepubertal testicular tissue: in search of a simple yet effective cryopreservation protocol. *Fertility and Sterility*, **2012**, 97, 1152-7.e1-2	4.8	47
68	DNA methylation patterns of spermatozoa and two generations of offspring obtained after murine spermatogonial stem cell transplantation. *Human Reproduction*, **2009**, 24, 2255-63	5.7	45
67	Failure of a combined clinical- and hormonal-based strategy to detect early spermatogenesis and retrieve spermatogonial stem cells in 47,XXY boys by single testicular biopsy. *Human Reproduction*, **2012**, 27, 998-1004	5.7	44
66	Cryopreservation of testicular tissue before long-term testicular cell culture does not alter in vitro cell dynamics. *Fertility and Sterility*, **2015**, 104, 1244-52.e1-4	4.8	43
65	Human spermatogonial stem cells display limited proliferation in vitro under mouse spermatogonial stem cell culture conditions. *Fertility and Sterility*, **2016**, 106, 1539-1549.e8	4.8	42
64	When does germ cell loss and fibrosis occur in patients with Klinefelter syndrome?. *Human Reproduction*, **2018**, 33, 1009-1022	5.7	40
63	Spermatogonial stem cell preservation in boys with Klinefelter syndrome: to bank or not to bank, that's the question. *Fertility and Sterility*, **2012**, 98, 284-9	4.8	36
62	Mouse germ cells go through typical epigenetic modifications after intratesticular tissue grafting. *Human Reproduction*, **2011**, 26, 3388-400	5.7	33
61	Array comparative genomic hybridization analysis does not show genetic alterations in spermatozoa and offspring generated after spermatogonial stem cell transplantation in the mouse. *Human Reproduction*, **2010**, 25, 1836-42	5.7	32
60	Exogenous administration of recombinant human FSH does not improve germ cell survival in human prepubertal xenografts. *Reproductive BioMedicine Online*, **2013**, 26, 286-98	4	31
59	Basic and Clinical Approaches for Fertility Preservation and Restoration in Cancer Patients. *Trends in Biotechnology*, **2018**, 36, 199-215	15.1	30
58	A no-stop mutation in MAGEB4 is a possible cause of rare X-linked azoospermia and oligozoospermia in a consanguineous Turkish family. *Journal of Assisted Reproduction and Genetics*, **2017**, 34, 683-694	3.4	27
57	In search of an efficient injection technique for future clinical application of spermatogonial stem cell transplantation: infusion of contrast dyes in isolated cadaveric human testes. *Fertility and Sterility*, **2012**, 98, 1443-8.e1	4.8	27
56	Presence of spermatogonia in 47,XXY men with no spermatozoa recovered after testicular sperm extraction. *Fertility and Sterility*, **2012**, 97, 319-23	4.8	27
55	Testicular cell transplantation into the human testes. *Fertility and Sterility*, **2013**, 100, 981-8	4.8	26

54	Cell selection by selective matrix adhesion is not sufficiently efficient for complete malignant cell depletion from contaminated human testicular cell suspensions. *Fertility and Sterility*, **2011**, 95, 787-91	4.8	25
53	Co-transplantation of mesenchymal stem cells improves spermatogonial stem cell transplantation efficiency in mice. *Stem Cell Research and Therapy*, **2018**, 9, 317	8.3	25
52	Mouse in vitro spermatogenesis on alginate-based 3D bioprinted scaffolds. *Biofabrication*, **2019**, 11, 035011	10.5	23
51	Computer-assisted motility analysis of spermatozoa obtained after spermatogonial stem cell transplantation in the mouse. *Fertility and Sterility*, **2008**, 90, 1411-6	4.8	21
50	Evaluation of in vivo conception after testicular stem cell transplantation in a mouse model shows altered post-implantation development. *Human Reproduction*, **2006**, 21, 2057-60	5.7	21
49	Mouse spermatogonial stem cells obtain morphologic and functional characteristics of hematopoietic cells in vivo. *Human Reproduction*, **2010**, 25, 3101-9	5.7	20
48	Setting Up a Cryopreservation Programme for Immature Testicular Tissue: Lessons Learned After More Than 15 Years of Experience. *Clinical Medicine Insights Reproductive Health*, **2019**, 13, 1179558119886342	6.5	17
47	Testicular stem cells. *Seminars in Reproductive Medicine*, **2006**, 24, 370-8	1.4	16
46	In-vitro spermatogenesis through testis modelling: Toward the generation of testicular organoids. *Andrology*, **2020**, 8, 879-891	4.2	15
45	Is the protein expression window during testicular development affected in patients at risk for stem cell loss?. *Human Reproduction*, **2015**, 30, 2859-70	5.7	14
44	Review of injection techniques for spermatogonial stem cell transplantation. *Human Reproduction Update*, **2020**, 26, 368-391	15.8	14
43	Can mesenchymal stem cells improve spermatogonial stem cell transplantation efficiency?. *Andrology*, **2017**, 5, 2-9	4.2	13
42	Effect of recombinant human vascular endothelial growth factor on testis tissue xenotransplants from prepubertal boys: a three-case study. *Reproductive BioMedicine Online*, **2019**, 39, 119-133	4	13
41	Scaffold-Based and Scaffold-Free Testicular Organoids from Primary Human Testicular Cells. *Methods in Molecular Biology*, **2019**, 1576, 283-290	1.4	13
40	Testicular tissue cryopreservation is the preferred method to preserve spermatogonial stem cells prior to transplantation. *Reproductive BioMedicine Online*, **2020**, 40, 261-269	4	13
39	Does co-transplantation of mesenchymal and spermatogonial stem cells improve reproductive efficiency and safety in mice?. *Stem Cell Research and Therapy*, **2019**, 10, 310	8.3	12
38	Is there a clinical future for spermatogonial stem cells?. *Current Stem Cell Research and Therapy*, **2007**, 2, 189-95	3.6	12
37	In search of an improved injection technique for the clinical application of spermatogonial stem cell transplantation. *Reproductive BioMedicine Online*, **2017**, 34, 291-297	4	11

36	Preparation of Scaffolds from Decellularized Testicular Matrix. *Methods in Molecular Biology*, **2018**, 1577, 121-127	1.4	11
35	Human in vitro spermatogenesis from pluripotent stem cells: in need of a stepwise differentiation protocol?. *Molecular Human Reproduction*, **2018**, 24, 47-54	4.4	11
34	Blastocyst development after assisted reproduction using spermatozoa obtained after testicular stem cell transplantation in mice. *Human Reproduction*, **2006**, 21, 1759-64	5.7	11
33	First Successful Conception Induced by a Male Cystinosis Patient. *JIMD Reports*, **2018**, 38, 1-6	1.9	10
32	Oncofertility: Pharmacological Protection and Immature Testicular Tissue (ITT)-Based Strategies for Prepubertal and Adolescent Male Cancer Patients. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	10
31	Bone marrow stem cells transplanted to the testis of sterile mice do not differentiate into spermatogonial stem cells and have no protective effect on fertility. *Fertility and Sterility*, **2009**, 91, 1549-52	4.8	10
30	Short-term storage of human testicular tissue: effect of storage temperature and tissue size. *Reproductive BioMedicine Online*, **2017**, 35, 180-188	4	9
29	What is the best protocol to cryopreserve immature mouse testicular cell suspensions?. *Reproductive BioMedicine Online*, **2018**, 37, 6-17	4	9
28	Exogenous Gonadotrophin Stimulation Induces Partial Maturation of Human Sertoli Cells in a Testicular Xenotransplantation Model for Fertility Preservation. *Journal of Clinical Medicine*, **2020**, 9,	5.1	8
27	Cryopreservation of Human Testicular Tissue by Isopropyl-Controlled Slow Freezing. *Methods in Molecular Biology*, **2018**, 1748, 287-294	1.4	8
26	Male fertility preservation, where are we in 2014?. *Annales DEndocrinologie*, **2014**, 75, 115-7	1.7	8
25	Does early cell death cause germ cell loss after intratesticular tissue grafting?. *Fertility and Sterility*, **2013**, 99, 1264-1272.e1	4.8	8
24	Short-term hypothermic preservation of human testicular tissue: the effect of storage medium and storage period. *Fertility and Sterility*, **2016**, 105, 1162-1169.e5	4.8	7
23	Adult stem cells in the human testis. *Seminars in Reproductive Medicine*, **2013**, 31, 39-48	1.4	6
22	Balancing animal welfare and assisted reproduction: ethics of preclinical animal research for testing new reproductive technologies. *Medicine, Health Care and Philosophy*, **2018**, 21, 537-545	2	5
21	Spermatogonial stem cells as a source for regenerative medicine. *Middle East Fertility Society Journal*, **2012**, 17, 1-7	1.4	5
20	Testicular immune cells and vasculature in Klinefelter syndrome from childhood up to adulthood. *Human Reproduction*, **2020**, 35, 1753-1764	5.7	4
19	Characterisation of testicular function and spermatogenesis in transgender women. *Human Reproduction*, **2021**, 36, 5-15	5.7	4

18	Reply: Isolation of germ cells from leukaemic cells. *Human Reproduction*, **2007**, 22, 2797-2798	5.7	3
17	Characterization of the stem cell niche components within the seminiferous tubules in testicular biopsies of Klinefelter patients. *Fertility and Sterility*, **2020**, 113, 1183-1195.e3	4.8	3
16	Fertility Preservation in Childhood Cancer: Endocrine Activity in Prepubertal Human Testis Xenografts Exposed to a Pubertal Hormone Environment. *Cancers*, **2020**, 12,	6.6	3
15	Of mice and human embryos: is there an ethically preferred order of preclinical research on new assisted reproductive technologies?. *Human Reproduction*, **2018**, 33, 1581-1585	5.7	2
14	Functional sperm produced after spermatogonial stem cell transplantation into rhesus. *Asian Journal of Andrology*, **2013**, 15, 216-7	2.8	2
13	The Effect of a Unilateral Orchiectomy before Gonadotoxic Treatment on the Contralateral Testis in Adult and Prepubertal Rats. *PLoS ONE*, **2016**, 11, e0164922	3.7	2
12	Gelatin Electrospun Mat as a Potential Co-culture System for Production of Sperm Cells from Embryonic Stem Cells. *ACS Biomaterials Science and Engineering*, **2020**, 6, 5823-5832	5.5	2
11	Spermatogenesis1-20		1
10	Studying nonobstructive azoospermia in cystinosis: histologic examination of testes and epididymis and sperm analysis in a Ctns?/? mouse model. *Fertility and Sterility*, **2012**, 98, 162-5	4.8	1
9	Human and animal fertility studies in cystinosis reveal signs of obstructive azoospermia, an altered blood-testis barrier and a subtherapeutic effect of cysteamine in testis. *Journal of Inherited Metabolic Disease*, **2021**, 44, 1393-1408	5.4	1
8	Testicular Tissue Banking for Fertility Preservation in Young Boys: Which Patients Should Be Included?. *Frontiers in Endocrinology*, **2022**, 13, 854186	5.7	1
7	Long-Term Maintenance and Meiotic Entry of Early Germ Cells in Murine Testicular Organoids Functionalized by 3D Printed Scaffolds and Air-Medium Interface Cultivation.. *Frontiers in Physiology*, **2021**, 12, 757565	4.6	0
6	Testicular Tissue Cryopreservation **2016**, 141-148		
5	Adult stem-cell population in the human testis52-62		
4	Testicular Tissue Transplantation **2022**, 529-554		
3	Adult Stem Cell Population in the Testis. *Reproductive Medicine and Assisted Reproductive Techniques Series*, **2009**, 112-125		
2	Adult Stem Cell Population in the Testis. *Reproductive Medicine and Assisted Reproductive Techniques Series*, **2009**, 112-125		
1	Germ Line Stem Cells: A Promising Alternative Source for Stem-Cell-Based Therapies in Regenerative Medicine **2013**, 279-300		