

Isabelle Demeestere

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

5,566
citations

87723

38
h-index

82410

72
g-index

105
all docs

105
docs citations

105
times ranked

3780
citing authors

#	ARTICLE	IF	CITATIONS
1	Fertility Preservation: Successful Transplantation of Cryopreserved Ovarian Tissue in a Young Patient Previously Treated for Hodgkin's Disease. <i>Oncologist</i> , 2007, 12, 1437-1442.	1.9	346
2	Live birth after autograft of ovarian tissue cryopreserved during childhood: Figure 1. <i>Human Reproduction</i> , 2015, 30, 2107-2109.	0.4	310
3	Children born after autotransplantation of cryopreserved ovarian tissue. A review of 13 live births. <i>Annals of Medicine</i> , 2011, 43, 437-450.	1.5	309
4	ESHRE guideline: female fertility preservationâ€. <i>Human Reproduction Open</i> , 2020, 2020, hoaa052.	2.3	282
5	Stable serum levels of anti-Mullerian hormone during the menstrual cycle: a prospective study in normo-ovulatory women. <i>Human Reproduction</i> , 2007, 22, 1837-1840.	0.4	254
6	Fertility preservation and post-treatment pregnancies in post-pubertal cancer patients: ESMO Clinical Practice Guidelinesâ€. <i>Annals of Oncology</i> , 2020, 31, 1664-1678.	0.6	243
7	Orthotopic and heterotopic ovarian tissue transplantation. <i>Human Reproduction Update</i> , 2009, 15, 649-665.	5.2	234
8	Ovarian function and spontaneous pregnancy after combined heterotopic and orthotopic cryopreserved ovarian tissue transplantation in a patient previously treated with bone marrow transplantation: Case Report. <i>Human Reproduction</i> , 2006, 21, 2010-2014.	0.4	232
9	No Evidence for the Benefit of Gonadotropin-Releasing Hormone Agonist in Preserving Ovarian Function and Fertility in Lymphoma Survivors Treated With Chemotherapy: Final Long-Term Report of a Prospective Randomized Trial. <i>Journal of Clinical Oncology</i> , 2016, 34, 2568-2574.	0.8	199
10	Gonadotropin-releasing hormone analogues for the prevention of chemotherapy-induced premature ovarian failure in cancer women: Systematic review and meta-analysis of randomized trials. <i>Cancer Treatment Reviews</i> , 2014, 40, 675-683.	3.4	169
11	Dynamics of PI3K and Hippo signaling pathways during in vitro human follicle activation. <i>Human Reproduction</i> , 2018, 33, 1705-1714.	0.4	144
12	Premature ovarian aging in mice deficient for Gpr3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8922-8926.	3.3	128
13	Safety and usefulness of cryopreservation of ovarian tissue to preserve fertility: a 12-year retrospective analysis. <i>Human Reproduction</i> , 2014, 29, 1931-1940.	0.4	125
14	Gonadotropin-Releasing Hormone Agonist for the Prevention of Chemotherapy-Induced Ovarian Failure in Patients With Lymphoma: 1-Year Follow-Up of a Prospective Randomized Trial. <i>Journal of Clinical Oncology</i> , 2013, 31, 903-909.	0.8	108
15	Impact of various endocrine and paracrine factors on in vitro culture of preantral follicles in rodents. <i>Reproduction</i> , 2005, 130, 147-156.	1.1	93
16	Fertility preservation for female patients with childhood, adolescent, and young adult cancer: recommendations from the PanCareLIFE Consortium and the International Late Effects of Childhood Cancer Guideline Harmonization Group. <i>Lancet Oncology</i> , The, 2021, 22, e45-e56.	5.1	91
17	Reproductive potential and performance of fertility preservation strategies in BRCA-mutated breast cancer patients. <i>Annals of Oncology</i> , 2018, 29, 237-243.	0.6	90
18	Ovarian protection with gonadotropin-releasing hormone agonists during chemotherapy in cancer patients: From biological evidence to clinical application. <i>Cancer Treatment Reviews</i> , 2019, 72, 65-77.	3.4	83

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19	Follicle-stimulating hormone regulates expression and activity of epidermal growth factor receptor in the murine ovarian follicle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16778-16783.	3.3	80
20	Effect of Insulin-Like Growth Factor-I During Preantral Follicular Culture on Steroidogenesis, In Vitro Oocyte Maturation, and Embryo Development in Mice. <i>Biology of Reproduction</i> , 2004, 70, 1664-1669.	1.2	79
21	Variants of the BMP15 gene in a cohort of patients with premature ovarian failure. <i>Human Reproduction</i> , 2010, 25, 1581-1587.	0.4	79
22	Vitrification of in vitro matured oocytes collected from antral follicles at the time of ovarian tissue cryopreservation. <i>Reproductive Biology and Endocrinology</i> , 2011, 9, 150.	1.4	77
23	The BCY3/BCC 2017 survey on physicians' knowledge, attitudes and practice towards fertility and pregnancy-related issues in young breast cancer patients. <i>Breast</i> , 2018, 42, 41-49.	0.9	75
24	Outcomes of immature oocytes collected from ovarian tissue for cryopreservation in adult and prepubertal patients. <i>Reproductive BioMedicine Online</i> , 2017, 34, 575-582.	1.1	70
25	Pregnancy After Breast Cancer: A Systematic Review and Meta-Analysis. <i>Journal of Clinical Oncology</i> , 2021, 39, 3293-3305.	0.8	70
26	Controversies about fertility and pregnancy issues in young breast cancer patients: current state of the art. <i>Current Opinion in Oncology</i> , 2017, 29, 243-252.	1.1	68
27	Fertility and pregnancy issues in BRCA -mutated breast cancer patients. <i>Cancer Treatment Reviews</i> , 2017, 59, 61-70.	3.4	68
28	In-vitro maturation of human oocytes: before or after vitrification?. <i>Journal of Assisted Reproduction and Genetics</i> , 2012, 29, 507-512.	1.2	67
29	Pregnancy following breast cancer using assisted reproduction and its effect on long-term outcome. <i>European Journal of Cancer</i> , 2015, 51, 1490-1496.	1.3	64
30	Effect of preantral follicle isolation technique on in-vitro follicular growth, oocyte maturation and embryo development in mice. <i>Human Reproduction</i> , 2002, 17, 2152-2159.	0.4	63
31	Anonymity and secrecy options of recipient couples and donors, and ethnic origin influence in three types of oocyte donation. <i>Human Reproduction</i> , 2011, 26, 382-390.	0.4	63
32	Birth of a second healthy girl more than 3 years after cryopreserved ovarian graft. <i>Human Reproduction</i> , 2010, 25, 1590-1591.	0.4	58
33	Fertility and hormone preservation and restoration for female children and adolescents receiving gonadotoxic cancer treatments: A systematic review. <i>Journal of Pediatric Surgery</i> , 2019, 54, 2200-2209.	0.8	51
34	AMH mutations with reduced in vitro bioactivity are related to premature ovarian insufficiency. <i>Human Reproduction</i> , 2015, 30, 1196-1202.	0.4	50
35	Preliminary experience of ovarian tissue cryopreservation procedure: alternatives, perspectives and feasibility. <i>Reproductive BioMedicine Online</i> , 2003, 7, 572-579.	1.1	49
36	Pregnancy outcome after oocyte donation in patients with Turner's syndrome and partial X monosomy. <i>Human Reproduction</i> , 2011, 26, 2061-2068.	0.4	49

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37	Efficacy and Safety of Controlled Ovarian Stimulation With or Without Letrozole Co-administration for Fertility Preservation: A Systematic Review and Meta-Analysis. <i>Frontiers in Oncology</i> , 2020, 10, 574669.	1.3	48
38	Progesterone levels in letrozole associated controlled ovarian stimulation for fertility preservation in breast cancer patients. <i>Human Reproduction</i> , 2015, 30, 2184-2189.	0.4	45
39	Fresh and cryopreserved ovarian tissue transplantation for preserving reproductive and endocrine function: a systematic review and individual patient data meta-analysis. <i>Human Reproduction Update</i> , 2022, 28, 400-416.	5.2	43
40	Safety of fertility preservation techniques before and after anticancer treatments in young women with breast cancer: a systematic review and meta-analysis. <i>Human Reproduction</i> , 2022, 37, 954-968.	0.4	41
41	Impact of Taxanes, Endocrine Therapy, and Deleterious Germline BRCA Mutations on Anti-müllerian Hormone Levels in Early Breast Cancer Patients Treated With Anthracycline- and Cyclophosphamide-Based Chemotherapy. <i>Frontiers in Oncology</i> , 2019, 9, 575.	1.3	40
42	Anti-müllerian hormone as a marker of ovarian reserve and premature ovarian insufficiency in children and women with cancer: a systematic review. <i>Human Reproduction Update</i> , 2022, 28, 417-434.	5.2	40
43	Interaction between PI3K/AKT and Hippo pathways during in vitro follicular activation and response to fragmentation and chemotherapy exposure using a mouse immature ovary model. <i>Biology of Reproduction</i> , 2020, 102, 717-729.	1.2	39
44	Communication and ethical considerations for fertility preservation for patients with childhood, adolescent, and young adult cancer: recommendations from the PanCareLIFE Consortium and the International Late Effects of Childhood Cancer Guideline Harmonization Group. <i>Lancet Oncology</i> , 2021, 22, e68-e80.	5.1	37
45	Association of Germline BRCA Pathogenic Variants With Diminished Ovarian Reserve: A Meta-Analysis of Individual Patient-Level Data. <i>Journal of Clinical Oncology</i> , 2021, 39, 2016-2024.	0.8	36
46	Implications of Nonphysiological Ovarian Primordial Follicle Activation for Fertility Preservation. <i>Endocrine Reviews</i> , 2020, 41, 847-872.	8.9	35
47	Cancer survivorship: Reproductive health outcomes should be included in standard toxicity assessments. <i>European Journal of Cancer</i> , 2021, 144, 310-316.	1.3	34
48	Follicle-Stimulating Hormone Accelerates Mouse Oocyte Development In Vivo. <i>Biology of Reproduction</i> , 2012, 87, 3, 1-11.	1.2	29
49	Knowledge, attitudes and practice of physicians towards fertility and pregnancy-related issues in young BRCA-mutated breast cancer patients. <i>Reproductive BioMedicine Online</i> , 2019, 38, 835-844.	1.1	29
50	Does oocyte donation compared with autologous oocyte IVF pregnancies have a higher risk of preeclampsia?. <i>Reproductive BioMedicine Online</i> , 2017, 34, 11-18.	1.1	27
51	Letrozole-associated controlled ovarian hyperstimulation in breast cancer patients versus conventional controlled ovarian hyperstimulation in infertile patients: assessment of oocyte quality related biomarkers. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 3.	1.4	27
52	MicroRNA profiling and identification of let-7a as a target to prevent chemotherapy-induced primordial follicles apoptosis in mouse ovaries. <i>Scientific Reports</i> , 2019, 9, 9636.	1.6	22
53	Challenges of fertility preservation in non-oncological diseases. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2019, 98, 638-646.	1.3	22
54	Fertility, sexuality and cancer in young adult women. <i>Current Opinion in Oncology</i> , 2019, 31, 259-267.	1.1	20

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55	Multiple Approaches for Individualized Fertility Protective Therapy in Cancer Patients. <i>Obstetrics and Gynecology International</i> , 2012, 2012, 1-12.	0.5	18
56	First live birth after fertility preservation using vitrification of oocytes in a woman with mosaic Turner syndrome. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 543-549.	1.2	18
57	Safety of Ovarian Tissue Autotransplantation for Cancer Patients. <i>Obstetrics and Gynecology International</i> , 2012, 2012, 1-6.	0.5	17
58	Gonadal Function Recovery in Patients With Advanced Hodgkin Lymphoma Treated With a PET-Adapted Regimen: Prospective Analysis of a Randomized Phase III Trial (AHL2011). <i>Journal of Clinical Oncology</i> , 2021, 39, 3251-3260.	0.8	17
59	Folliculogenesis Is Not Fully Inhibited during GnRH Analogues Treatment in Mice Challenging Their Efficiency to Preserve the Ovarian Reserve during Chemotherapy in This Model. <i>PLoS ONE</i> , 2015, 10, e0137164.	1.1	16
60	Risk of contamination of semen, vaginal secretions, follicular fluid and ovarian medulla with SARS-CoV-2 in patients undergoing ART. <i>Human Reproduction</i> , 2022, 37, 235-241.	0.4	16
61	Both in vivo FSH depletion and follicular exposure to Gonadotrophin-releasing hormone analogues in vitro are not effective to prevent follicular depletion during chemotherapy in mice. <i>Molecular Human Reproduction</i> , 2018, 24, 221-232.	1.3	15
62	Oncofertility: Pharmacological Protection and Immature Testicular Tissue (ITT)-Based Strategies for Prepubertal and Adolescent Male Cancer Patients. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5223.	1.8	15
63	The role of microRNAs in ovarian function and the transition toward novel therapeutic strategies in fertility preservation: from bench to future clinical application. <i>Human Reproduction Update</i> , 2020, 26, 174-196.	5.2	15
64	Methods of controlled ovarian stimulation for embryo/oocyte cryopreservation in breast cancer patients. <i>Expert Review of Quality of Life in Cancer Care</i> , 2017, 2, 47-59.	0.6	13
65	GnRH analogue for chemotherapy-induced ovarian damage: too early to say?. <i>Fertility and Sterility</i> , 2009, 92, e33.	0.5	12
66	Hardening of zona pellucida of mouse oocytes and embryos in vivo and in vitro. <i>International Journal of Fertility and Women's Medicine</i> , 1997, 42, 219-22.	0.4	12
67	Evaluation of quantitative polymerase chain reaction markers for the detection of breast cancer cells in ovarian tissue stored for fertility preservation. <i>Fertility and Sterility</i> , 2015, 104, 410-417.e4.	0.5	11
68	Ovarian tissue cryopreservation and transplantation in patients with central nervous system tumours. <i>Human Reproduction</i> , 2021, 36, 1296-1309.	0.4	11
69	OPTIONS TO PRESERVE FERTILITY BEFORE ONCOLOGICAL TREATMENT: CRYOPRESERVATION OF OVARIAN TISSUE AND ITS CLINICAL APPLICATION. <i>Acta Clinica Belgica</i> , 2006, 61, 259-263.	0.5	10
70	Ultrastructure and intercellular contact-mediated communication in cultured human early stage follicles exposed to mTORC1 inhibitor. <i>Molecular Human Reproduction</i> , 2019, 25, 706-716.	1.3	10
71	Viable Options for Fertility Preservation in Breast Cancer Patients: A Focus on Latin America. <i>Revista De Investigacion Clinica</i> , 2017, 69, 103-113.	0.2	9
72	Safety of assisted reproductive techniques in young women harboring germline pathogenic variants in BRCA1/2 with a pregnancy after prior history of breast cancer. <i>ESMO Open</i> , 2021, 6, 100300.	2.0	9

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73	Assessment of ovarian reserve and fertility preservation strategies in children treated for cancer. <i>Minerva Obstetrics and Gynecology</i> , 2017, 69, 57-67.	0.5	8
74	Let-7a mimic transfection reduces chemotherapy-induced damage in a mouse ovarian transplantation model. <i>Scientific Reports</i> , 2022, 12, .	1.6	8
75	Fertility Preservation in Female Cancer Patients. <i>Obstetrics and Gynecology International</i> , 2012, 2012, 1-2.	0.5	7
76	Impact of ARTs on oncological outcomes in young breast cancer survivors. <i>Human Reproduction</i> , 2021, 36, 381-389.	0.4	7
77	Risk of gonadotoxicity with immunotherapy and targeted agents remains an unsolved but crucial issue. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13779.	1.7	7
78	Another step towards improving oncofertility counselling of young women with Hodgkin's lymphoma. <i>Lancet Oncology</i> , The, 2018, 19, 1264-1266.	5.1	6
79	Oncofertility counselling in premenopausal women with HER2-positive breast cancer. <i>Oncotarget</i> , 2019, 10, 926-929.	0.8	6
80	Circulating Tumor DNA to Interrogate the Safety of Letrozole-Associated Controlled Ovarian Stimulation for Fertility Preservation in Breast Cancer Patients. <i>Frontiers in Oncology</i> , 2021, 11, 686625.	1.3	5
81	Unpredictable cases of complicated ovarian hyperstimulation in IVF. <i>International Journal of Fertility and Women's Medicine</i> , 1997, 42, 268-70.	0.4	5
82	Answer to Controversy: miR-10a Replacement Approaches Do Not Offer Protection against Chemotherapy-Induced Gonadotoxicity in Mouse Model. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4958.	1.8	4
83	Ovarian toxicity of carboplatin and paclitaxel in mouse carriers of mutation in BRIP1 tumor suppressor gene. <i>Scientific Reports</i> , 2022, 12, 1658.	1.6	4
84	Nucleoside Analog Stavudine Depletes Mitochondrial DNA with No Organelle Loss in Mouse Oocytes. <i>Current HIV Research</i> , 2010, 8, 127-133.	0.2	3
85	Pregnancy Rate and Preservation of Cyclic Ovarian Function With Gonadotropin-Releasing Hormone Agonist Cotreatment During Chemotherapyâ€”Reply. <i>JAMA Oncology</i> , 2016, 2, 546.	3.4	3
86	Fertility preservation counselling for childhood cancer survivors. <i>Lancet Oncology</i> , The, 2020, 21, 329-330.	5.1	3
87	Response to â€”Is it safe to perform a controlled ovarianâ€”stimulation for assisted reproduction in youngâ€”breastâ€”cancer survivors?â€”TM. <i>European Journal of Cancer</i> , 2016, 54, 165-166.	1.3	2
88	Follicle Activation by Physical Methods and Clinical Applications. , 2022, , 263-278.		2
89	Reply to Z. Blumenfeld et al. <i>Journal of Clinical Oncology</i> , 2013, 31, 3722-3723.	0.8	1
90	Reply to M. Lambertini et al. <i>Journal of Clinical Oncology</i> , 2017, 35, 805-806.	0.8	1

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91	The BCY3/BCC 2017 survey on physicians'™ knowledge, attitudes and practice towards fertility and pregnancy issues in young breast cancer patients. <i>European Journal of Cancer</i> , 2018, 92, S22.	1.3	1
92	Use of GnRH Analogs for Prevention of Chemotherapy-Induced Gonadotoxicity. , 2021, , 171-181.		0
93	Anti-Müllerian hormone (AMH) as a marker of ovarian reserve and premature ovarian insufficiency (POI) in children and women with cancer: A systematic review.. <i>Journal of Clinical Oncology</i> , 2021, 39, e24057-e24057.	0.8	0
94	O-179 Safety of ovarian tissue cryopreservation and transplantation in patients with central nervous system cancers. <i>Human Reproduction</i> , 2021, 36, .	0.4	0
95	Overview of Fertility Preservation Approaches in Cancer Patients. , 2020, , 25-42.		0
96	A retrospective study evaluating the impact of scattering radiation from imaging procedures on oocyte quality during ovarian stimulation for fertility preservation in young breast cancer patients. <i>Breast Cancer Research and Treatment</i> , 2022, 192, 123-130.	1.1	0
97	Abstract PD5-05: Impact of anti-HER2 therapy alone and in association with weekly paclitaxel on the ovarian reserve of young women with HER2-positive early breast cancer: Biomarker analysis of the NeoALTTO trial. <i>Cancer Research</i> , 2022, 82, PD5-05-PD5-05.	0.4	0
98	Reply: Risk of contamination with SARS-CoV-2 in ART. <i>Human Reproduction</i> , 2022, , .	0.4	0
99	Impact of anti-HER2 therapy alone and in association with weekly paclitaxel on the ovarian reserve of young women with HER2-positive early breast cancer: Biomarker analysis of the NeoALTTO trial.. <i>Journal of Clinical Oncology</i> , 2022, 40, 12084-12084.	0.8	0
100	Methods of Ovarian Tissue Cryopreservation: Slow Freezing. , 2022, , 89-98.		0