

Petra De Sutter

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,761
citations

304743

22
h-index

315739

38
g-index

61
all docs

61
docs citations

61
times ranked

2131
citing authors

#	ARTICLE	IF	CITATIONS
1	Fertility options in transgender people. <i>International Review of Psychiatry</i> , 2016, 28, 112-119.	2.8	150
2	Ovarian tissue cryopreservation in female-to-male transgender people: insights into ovarian histology and physiology after prolonged androgen treatment. <i>Reproductive BioMedicine Online</i> , 2017, 34, 557-566.	2.4	148
3	Alternative Routes to Induce Naïve Pluripotency in Human Embryonic Stem Cells. <i>Stem Cells</i> , 2015, 33, 2686-2698.	3.2	118
4	PLC η is the physiological trigger of the Ca ²⁺ oscillations that induce embryogenesis in mammals but offspring can be conceived in its absence. <i>Development (Cambridge)</i> , 2017, 144, 2914-2924.	2.5	95
5	Prediction of implantation after blastocyst transfer in in vitro fertilization: a machine-learning perspective. <i>Fertility and Sterility</i> , 2019, 111, 318-326.	1.0	76
6	Variance in total levels of phospholipase C zeta (PLC ζ) in human sperm may limit the applicability of quantitative immunofluorescent analysis as a diagnostic indicator of oocyte activation capability. <i>Fertility and Sterility</i> , 2013, 99, 107-117.e3.	1.0	70
7	Effect of two assisted oocyte activation protocols used to overcome fertilization failure on the activation potential and calcium releasing pattern. <i>Fertility and Sterility</i> , 2016, 105, 798-806.e2.	1.0	59
8	Novel reproductive technologies to prevent mitochondrial disease. <i>Human Reproduction Update</i> , 2017, 23, 501-519.	10.8	59
9	Suboptimal culture conditions induce more deviations in gene expression in male than female bovine blastocysts. <i>BMC Genomics</i> , 2016, 17, 72.	2.8	58
10	Comparative analysis of naive, primed and ground state pluripotency in mouse embryonic stem cells originating from the same genetic background. <i>Scientific Reports</i> , 2018, 8, 5884.	3.3	54
11	Assisted oocyte activation significantly increases fertilization and pregnancy outcome in patients with low and total failed fertilization after intracytoplasmic sperm injection: a 17-year retrospective study. <i>Fertility and Sterility</i> , 2019, 112, 266-274.	1.0	53
12	Identification of histone H3 clipping activity in human embryonic stem cells. <i>Stem Cell Research</i> , 2014, 13, 123-134.	0.7	44
13	Whole genome amplification with SurePlex results in better copy number alteration detection using sequencing data compared to the MALBAC method. <i>Scientific Reports</i> , 2015, 5, 11711.	3.3	42
14	Shallow whole genome sequencing is well suited for the detection of chromosomal aberrations in human blastocysts. <i>Fertility and Sterility</i> , 2015, 104, 1276-1285.e1.	1.0	40
15	The Meaning of the Sperm Donor for Heterosexual Couples: Confirming the Position of the Father. <i>Family Process</i> , 2017, 56, 203-216.	2.6	37
16	Reproductive Options for Transpeople: Recommendations for Revision of the WPATH's Standards of Care. <i>International Journal of Transgenderism</i> , 2009, 11, 183-185.	3.5	35
17	Self-operated endovaginal telemonitoring versus traditional monitoring of ovarian stimulation in assisted reproduction: an RCT. <i>Human Reproduction</i> , 2014, 29, 1941-1948.	0.9	33
18	Single Ca ²⁺ transients vs oscillatory Ca ²⁺ signaling for assisted oocyte activation: limitations and benefits. <i>Reproduction</i> , 2018, 155, R105-R119.	2.6	31

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19	Access to human tissues for research and product development. <i>EMBO Reports</i> , 2015, 16, 557-562.	4.5	28
20	Assessment of nuclear transfer techniques to prevent the transmission of heritable mitochondrial disorders without compromising embryonic development competence in mice. <i>Mitochondrion</i> , 2014, 18, 27-33.	3.4	27
21	Low feasibility of in vitro matured oocytes originating from cumulus complexes found during ovarian tissue preparation at the moment of gender confirmation surgery and during testosterone treatment for fertility preservation in transgender men. <i>Fertility and Sterility</i> , 2021, 116, 1068-1076.	1.0	27
22	Exogenous supplementation of Activin A enhances germ cell differentiation of human embryonic stem cells. <i>Molecular Human Reproduction</i> , 2015, 21, 410-423.	2.8	26
23	Follicles of various maturation stages react differently to enzymatic isolation: a comparison of different isolation protocols. <i>Reproductive BioMedicine Online</i> , 2015, 30, 181-190.	2.4	23
24	Mutation-free baby born from a mitochondrial encephalopathy, lactic acidosis and stroke-like syndrome carrier after blastocyst trophectoderm preimplantation genetic diagnosis. <i>Mitochondrion</i> , 2014, 18, 12-17.	3.4	22
25	Endometrial stromal cell proteome mapping in repeated implantation failure and recurrent pregnancy loss cases and fertile women. <i>Reproductive BioMedicine Online</i> , 2019, 38, 442-454.	2.4	21
26	Sperm involved in recurrent partial hydatidiform moles cannot induce the normal pattern of calcium oscillations. <i>Fertility and Sterility</i> , 2014, 102, 581-588.e1.	1.0	20
27	Family Communication about Donor Conception: A Qualitative Study with Lesbian Parents. <i>Family Process</i> , 2016, 55, 139-154.	2.6	19
28	Multi family member interview studies: a focus on data analysis. <i>Journal of Family Therapy</i> , 2017, 39, 386-401.	1.0	18
29	Human blastocyst outgrowths recapitulate primordial germ cell specification events. <i>Molecular Human Reproduction</i> , 2019, 25, 519-526.	2.8	18
30	The post-inner cell mass intermediate: implications for stem cell biology and assisted reproductive technology. <i>Human Reproduction Update</i> , 2015, 21, 616-626.	10.8	17
31	Application Of Small Molecules Favoring Naïve Pluripotency during Human Embryonic Stem Cell Derivation. <i>Cellular Reprogramming</i> , 2015, 17, 170-180.	0.9	16
32	Preimplantation genetic diagnosis for chromosomal rearrangements with the use of array comparative genomic hybridization at the blastocyst stage. <i>Fertility and Sterility</i> , 2017, 107, 212-219.e3.	1.0	16
33	Parental (in)equality and the genetic link in lesbian families. <i>Journal of Reproductive and Infant Psychology</i> , 2014, 32, 457-468.	1.8	15
34	Performance of a TthPrimPol-based whole genome amplification kit for copy number alteration detection using massively parallel sequencing. <i>Scientific Reports</i> , 2016, 6, 31825.	3.3	15
35	Cycle-Related Changes in Mood, Sexual Desire, and Sexual Activity in Oral Contraception-Using and Nonhormonal-Contraception-Using Couples. <i>Journal of Sex Research</i> , 2016, 53, 125-136.	2.5	15
36	How to create a family? Decision making in lesbian couples using donor sperm. <i>Sexual and Reproductive Healthcare</i> , 2017, 11, 13-18.	1.2	15

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37	Cellular Heterogeneity in the Level of mtDNA Heteroplasmy in Mouse Embryonic Stem Cells. <i>Cell Reports</i> , 2015, 13, 1304-1309.	6.4	14
38	Untargeted histone profiling during naive conversion uncovers conserved modification markers between mouse and human. <i>Scientific Reports</i> , 2019, 9, 17240.	3.3	14
39	Assessment of the calcium releasing machinery in oocytes that failed to fertilize after conventional ICSI and assisted oocyte activation. <i>Reproductive BioMedicine Online</i> , 2019, 38, 497-507.	2.4	13
40	Vitrification negatively affects the Ca ²⁺ -releasing and activation potential of mouse oocytes, but vitrified oocytes are potentially useful for diagnostic purposes. <i>Reproductive BioMedicine Online</i> , 2020, 40, 13-25.	2.4	13
41	<i>â€˜No daddyâ€™, â€˜A kind of daddyâ€™</i>: words used by donor conceived children and (aspiring) parents to refer to the sperm donor. <i>Culture, Health and Sexuality</i> , 2018, 20, 381-396.	1.8	12
42	Culture conditions affect Ca ²⁺ release in artificially activated mouse and human oocytes. <i>Reproduction, Fertility and Development</i> , 2018, 30, 991.	0.4	12
43	Fertility options in transgender and gender diverse adolescents. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2017, 96, 1269-1272.	2.8	11
44	Activin A-derived human embryonic stem cells show increased competence to differentiate into primordial germ cell-like cells. <i>Stem Cells</i> , 2021, 39, 551-563.	3.2	11
45	Sex-Specific Isolation and Propagation of Human Premeiotic Fetal Germ Cells and Germ Cell-Like Cells. <i>Stem Cells</i> , 2021, 10, 1214.	4.1	11
46	Human germline nuclear transfer to overcome mitochondrial disease and failed fertilization after ICSI. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 609-618.	2.5	11
47	Recipients' views on payment of sperm donors. <i>Reproductive BioMedicine Online</i> , 2015, 31, 225-231.	2.4	10
48	In-vitro development of embryos derived from vitrifiedâ€œwarmed oocytes is delayed compared with embryos derived from fresh oocytes: a time-lapse sibling oocyte study. <i>Reproductive BioMedicine Online</i> , 2020, 40, 82-90.	2.4	10
49	Patients with a high proportion of immature and meiotically resistant oocytes experience defective nuclear oocyte maturation patterns and impaired pregnancy outcomes. <i>Reproductive BioMedicine Online</i> , 2018, 36, 396-407.	2.4	9
50	WNT Inhibition and Increased FGF Signaling Promotes Derivation of Less Heterogeneous Primed Human Embryonic Stem Cells, Compatible with Differentiation. <i>Stem Cells and Development</i> , 2019, 28, 579-592.	2.1	9
51	Constructing and enacting kinship in sisterâ€œsister egg donation families: a multiâ€œfamily member interview study. <i>Sociology of Health and Illness</i> , 2017, 39, 847-862.	2.1	7
52	Assessment of uterine activity during IVF by quantitative ultrasound imaging: a pilot study. <i>Reproductive BioMedicine Online</i> , 2020, 41, 1045-1053.	2.4	7
53	Ten years of fertility treatment experience and reproductive options in transgender men. <i>International Journal of Transgender Health</i> , 2021, 22, 294-303.	2.3	7
54	Impaired implantation in endometriosis compared with couples with male subfertility after transfer of equal quality embryos: a matched cohort study. <i>Reproductive BioMedicine Online</i> , 2021, 42, 165-174.	2.4	6

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55	Toxic effects of Hoechst staining and UV irradiation on preimplantation development of parthenogenetically activated mouse oocytes. <i>Zygote</i> , 2014, 22, 32-40.	1.1	3
56	Detailed method description for noninvasive monitoring of differentiation status of human embryonic stem cells. <i>Analytical Biochemistry</i> , 2014, 461, 60-66.	2.4	3
57	Assessing the impact of minimizing arginine conversion in fully defined SILAC culture medium in human embryonic stem cells. <i>Proteomics</i> , 2016, 16, 2605-2614.	2.2	2
58	External validation of a prediction model to select the best day-three embryo for transfer in in vitro fertilization or intracytoplasmic sperm injection procedures. <i>Fertility and Sterility</i> , 2018, 110, 917-924.	1.0	2
59	The last vial. What it means to (aspiring) parents to use the same sperm donor for siblings. <i>Journal of Psychosomatic Obstetrics and Gynaecology</i> , 2020, 41, 62-68.	2.1	2
60	Sister-to-sister oocyte donation: couples' experiences with regard to genetic ties. <i>Journal of Reproductive and Infant Psychology</i> , 2016, 34, 314-323.	1.8	1
61	Donor insemination disclosure in social networks: heterosexual couples' experiences. <i>Culture, Health and Sexuality</i> , 2020, 22, 292-306.	1.8	1