

Johan E J Smitz

List of Publications by Citations

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172
papers

7,299
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178
ext. papers

8,179
ext. citations

4.3
avg, IF

5.86
L-index

#	Paper	IF	Citations
172	High fertilization and implantation rates after intracytoplasmic sperm injection. <i>Human Reproduction</i> , 1993 , 8, 1061-6	5.7	1007
171	Effect of ovarian stimulation with recombinant follicle-stimulating hormone, gonadotropin releasing hormone antagonists, and human chorionic gonadotropin on endometrial maturation on the day of oocyte pick-up. <i>Fertility and Sterility</i> , 2002 , 78, 1025-9	4.8	275
170	Fertility preservation in women with cancer. <i>Lancet, The</i> , 2014 , 384, 1302-10	4.0	229
169	Comparison of different doses of gonadotropin-releasing hormone antagonist Cetrorelix during controlled ovarian hyperstimulation. <i>Fertility and Sterility</i> , 1997 , 67, 917-22	4.8	209
168	Molecular control of oogenesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 1896-912	6.9	206
167	Endometrial evaluation by aspiration biopsy on the day of oocyte retrieval in the embryo transfer cycles in patients with serum progesterone rise during the follicular phase. <i>Fertility and Sterility</i> , 1997 , 67, 521-6	4.8	185
166	The earliest stages of folliculogenesis in vitro. <i>Reproduction</i> , 2002 , 123, 185-202	3.8	173
165	Endocrine profile in serum and follicular fluid differs after ovarian stimulation with HP-hMG or recombinant FSH in IVF patients. <i>Human Reproduction</i> , 2007 , 22, 676-87	5.7	143
164	Live birth after transplantation of frozen-thawed ovarian tissue after bilateral oophorectomy for benign disease. <i>Fertility and Sterility</i> , 2012 , 98, 720-5	4.8	131
163	Continuous exposure to bisphenol A during in vitro follicular development induces meiotic abnormalities. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008 , 651, 71-81	3	121
162	Luteinizing hormone and human chorionic gonadotropin: origins of difference. <i>Molecular and Cellular Endocrinology</i> , 2014 , 383, 203-13	4.4	119
161	The promise of in vitro maturation in assisted reproduction and fertility preservation. <i>Seminars in Reproductive Medicine</i> , 2011 , 29, 24-37	1.4	119
160	Premature luteinization in in vitro fertilization cycles using gonadotropin-releasing hormone agonist (GnRH-a) and recombinant follicle-stimulating hormone (FSH) and GnRH-a and urinary FSH. <i>Fertility and Sterility</i> , 1996 , 66, 275-80	4.8	110
159	Cumulus cell gene expression is associated with oocyte developmental quality and influenced by patient and treatment characteristics. <i>Human Reproduction</i> , 2010 , 25, 1259-70	5.7	106
158	Cumulus cell gene expression predicts better cleavage-stage embryo or blastocyst development and pregnancy for ICSI patients. <i>Human Reproduction</i> , 2011 , 26, 1035-51	5.7	93
157	In vitro maturation (IVM) of oocytes recovered from ovariectomy specimens in the laboratory: a promising "ex vivo" method of oocyte cryopreservation resulting in the first report of an ongoing pregnancy in Europe. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 1221-31	3.4	92
156	Profound LH suppression after GnRH antagonist administration is associated with a significantly higher ongoing pregnancy rate in IVF. <i>Human Reproduction</i> , 2004 , 19, 2490-6	5.7	91

155	Impact of ovarian stimulation on corpus luteum function and embryonic implantation. <i>Journal of Reproductive Immunology</i> , 2002 , 55, 123-30	4.2	86
154	Human oocytes reversibly arrested in prophase I by phosphodiesterase type 3 inhibitor in vitro. <i>Biology of Reproduction</i> , 2003 , 69, 1042-52	3.9	84
153	Number of ovarian follicles in human fetuses with the 45,X karyotype. <i>Fertility and Sterility</i> , 2004 , 81, 1112-9	4.8	83
152	Vitamin D deficiency and pregnancy rates in women undergoing single embryo, blastocyst stage, transfer (SET) for IVF/ICSI. <i>Human Reproduction</i> , 2014 , 29, 2032-40	5.7	80
151	Alpha-fetoprotein, the major fetal serum protein, is not essential for embryonic development but is required for female fertility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 12865-70	11.5	77
150	Culture of oocytes and risk of imprinting defects. <i>Human Reproduction Update</i> , 2013 , 19, 52-66	15.8	76
149	Comparison of LH concentrations in the early and mid-luteal phase in IVF cycles after treatment with HMG alone or in association with the GnRH antagonist Cetorelix. <i>Human Reproduction</i> , 2001 , 16, 663-7	5.7	74
148	A reproducible two-step culture system for isolated primary mouse ovarian follicles as single functional units. <i>Biology of Reproduction</i> , 2004 , 71, 1730-8	3.9	70
147	The value of anti-Mullerian hormone measurement in the long GnRH agonist protocol: association with ovarian response and gonadotrophin-dose adjustments. <i>Human Reproduction</i> , 2012 , 27, 1829-39	5.7	67
146	Functional AR signaling is evident in an in vitro mouse follicle culture bioassay that encompasses most stages of folliculogenesis. <i>Biology of Reproduction</i> , 2009 , 80, 685-95	3.9	67
145	Elevated progesterone at initiation of stimulation is associated with a lower ongoing pregnancy rate after IVF using GnRH antagonists. <i>Human Reproduction</i> , 2004 , 19, 1525-9	5.7	66
144	Clinical outcome of non-hCG-primed oocyte in vitro maturation treatment in patients with polycystic ovaries and polycystic ovary syndrome. <i>Fertility and Sterility</i> , 2011 , 96, 860-4	4.8	61
143	Effects of recombinant activin A on in vitro culture of mouse preantral follicles. <i>Molecular Reproduction and Development</i> , 1998 , 50, 294-304	2.6	60
142	Endometrial hormone receptors and proliferation index in the periovulatory phase of stimulated embryo transfer cycles in comparison with natural cycles and relation to clinical pregnancy outcome. <i>Fertility and Sterility</i> , 2002 , 78, 237-44	4.8	60
141	Heparin and cAMP modulators interact during pre-in vitro maturation to affect mouse and human oocyte meiosis and developmental competence. <i>Human Reproduction</i> , 2013 , 28, 1536-45	5.7	58
140	Follicular growth and estradiol follow-up after subcutaneous xenografting of fresh and cryopreserved human ovarian tissue. <i>Fertility and Sterility</i> , 2008 , 89, 1787-94	4.8	58
139	Aromatase inhibitors in ovarian stimulation for IVF/ICSI: a pilot study. <i>Reproductive BioMedicine Online</i> , 2006 , 13, 166-72	4	57
138	Melatonin protects against cisplatin-induced ovarian damage in mice via the MT1 receptor and antioxidant activity. <i>Biology of Reproduction</i> , 2017 , 96, 1244-1255	3.9	55

137	Prospective study into the value of the automated Elecsys antimüllerian hormone assay for the assessment of the ovarian growing follicle pool. <i>Fertility and Sterility</i> , 2015 , 103, 1074-1080.e4	4.8	54
136	Creating a Global Community of Practice for Oncofertility. <i>JCO Global Oncology</i> , 2016 , 2, 83-96	3.7	54
135	Exogenous luteinizing hormone activity may influence the treatment outcome in in vitro fertilization but not in intracytoplasmic sperm injection cycles. <i>Fertility and Sterility</i> , 2004 , 81, 1401-4	4.8	53
134	Prematuration with cyclic adenosine monophosphate modulators alters cumulus cell and oocyte metabolism and enhances developmental competence of in vitro-matured mouse oocytes. <i>Biology of Reproduction</i> , 2014 , 91, 47	3.9	52
133	New candidate genes to predict pregnancy outcome in single embryo transfer cycles when using cumulus cell gene expression. <i>Fertility and Sterility</i> , 2012 , 98, 432-9.e1-4	4.8	51
132	Clinical and biologic evaluation of ovarian function in women treated by bone marrow transplantation for various indications during childhood or adolescence. <i>Fertility and Sterility</i> , 2011 , 96, 126-133.e3	4.8	51
131	The definition of IVF is clear-variations need defining. <i>Human Reproduction</i> , 2016 , 31, 2411-2415	5.7	51
130	Preantral follicle culture as a novel in vitro assay in reproductive toxicology testing in mammalian oocytes. <i>Mutagenesis</i> , 2004 , 19, 13-25	2.8	49
129	Luteinizing hormone and human chorionic gonadotropin: distinguishing unique physiologic roles. <i>Gynecological Endocrinology</i> , 2014 , 30, 174-81	2.4	48
128	Clinical and biological characterization of macroprolactinemia with and without prolactin-IgG complexes. <i>European Journal of Endocrinology</i> , 2003 , 149, 201-7	6.5	48
127	Alpha-fetoprotein controls female fertility and prenatal development of the gonadotropin-releasing hormone pathway through an antiestrogenic action. <i>Molecular and Cellular Biology</i> , 2006 , 26, 2012-8	4.8	46
126	Unaltered imprinting establishment of key imprinted genes in mouse oocytes after in vitro follicle culture under variable follicle-stimulating hormone exposure. <i>International Journal of Developmental Biology</i> , 2009 , 53, 541-8	1.9	45
125	Effects of low methyl donor levels in culture medium during mouse follicle culture on oocyte imprinting establishment. <i>Biology of Reproduction</i> , 2010 , 83, 377-86	3.9	44
124	The cumulus cell gene expression profile of oocytes with different nuclear maturity and potential for blastocyst formation. <i>Journal of Assisted Reproduction and Genetics</i> , 2011 , 28, 31-40	3.4	43
123	A "freeze-all" embryo strategy after in vitro maturation: a novel approach in women with polycystic ovary syndrome?. <i>Fertility and Sterility</i> , 2013 , 100, 1002-7	4.8	42
122	Vitrification of human ovarian tissue: a practical and relevant alternative to slow freezing. <i>Reproductive Biology and Endocrinology</i> , 2015 , 13, 67	5	42
121	Normal oxygen atmosphere is essential for the solitary long-term culture of early preantral mouse follicles. <i>Molecular Reproduction and Development</i> , 1996 , 45, 466-75	2.6	42
120	Immature Oocytes from Unprimed Juvenile Mice Become a Valuable Source for Embryo Production When Using C-Type Natriuretic Peptide as Essential Component of Culture Medium. <i>Biology of Reproduction</i> , 2016 , 95, 64	3.9	41

119	Promotion of EGF receptor signaling improves the quality of low developmental competence oocytes. <i>Developmental Biology</i> , 2015 , 403, 139-49	3.1	41
118	Quantification of oocyte-specific transcripts in follicle-enclosed oocytes during antral development and maturation in vitro. <i>Molecular Human Reproduction</i> , 2009 , 15, 539-50	4.4	41
117	Morphological and ultrastructural evaluation of cultured frozen-thawed human fetal ovarian tissue. <i>Fertility and Sterility</i> , 2006 , 85 Suppl 1, 1130-41	4.8	41
116	Time of insemination and its effect on in-vitro fertilization, cleavage and pregnancy rates in GnRH agonist/HMG-stimulated cycles. <i>Human Reproduction</i> , 1989 , 4, 921-6	5.7	40
115	Different follicle-stimulating hormone exposure regimens during antral follicle growth alter gene expression in the cumulus-oocyte complex in mice. <i>Biology of Reproduction</i> , 2010 , 83, 514-24	3.9	39
114	Developmental capacity of in vitro-matured human oocytes retrieved from polycystic ovary syndrome ovaries containing no follicles larger than 6 mm. <i>Fertility and Sterility</i> , 2012 , 98, 503-7.e1-2	4.8	37
113	Biphasic in vitro maturation (CAPA-IVM) specifically improves the developmental capacity of oocytes from small antral follicles. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 2135-2144	3.4	35
112	Timing of nuclear maturation and postovulatory aging in oocytes of in vitro-grown mouse follicles with or without oil overlay. <i>Biology of Reproduction</i> , 2008 , 78, 859-68	3.9	35
111	A prediction model to select PCOS patients suitable for IVM treatment based on anti-Mullerian hormone and antral follicle count. <i>Human Reproduction</i> , 2013 , 28, 1261-6	5.7	34
110	Effect of clomiphene citrate on follicular and luteal phase luteinizing hormone concentrations in in vitro fertilization cycles stimulated with gonadotropins and gonadotropin-releasing hormone antagonist. <i>Fertility and Sterility</i> , 2002 , 77, 733-7	4.8	34
109	Steroidogenesis-disrupting compounds can be effectively studied for major fertility-related endpoints using in vitro cultured mouse follicles. <i>Toxicology Letters</i> , 2009 , 185, 143-52	4.4	33
108	Oocyte maturity and preimplantation development in relation to follicle diameter in gonadotropin-releasing hormone agonist or antagonist treatments. <i>Fertility and Sterility</i> , 2006 , 85, 578-83 ⁸	4.8	33
107	Follicle-Stimulating Hormone: A Review of Form and Function in the Treatment of Infertility. <i>Reproductive Sciences</i> , 2016 , 23, 706-16	3	31
106	Immature oocyte in-vitro maturation: clinical aspects. <i>Reproductive BioMedicine Online</i> , 2005 , 10, 587-92 ⁴	4	31
105	Oocyte and cumulus cell transcripts from cultured mouse follicles are induced to deviate from normal in vivo conditions by combinations of insulin, follicle-stimulating hormone, and human chorionic gonadotropin. <i>Biology of Reproduction</i> , 2011 , 85, 565-74	3.9	30
104	Principal findings from a multicenter trial investigating the safety of follicular-fluid meiosis-activating sterol for in vitro maturation of human cumulus-enclosed oocytes. <i>Fertility and Sterility</i> , 2007 , 87, 949-64	4.8	30
103	Highly purified HMG versus recombinant FSH for ovarian stimulation in IVF cycles. <i>Reproductive BioMedicine Online</i> , 2008 , 17, 190-8	4	28
102	Avoidance of multiple pregnancies after ovulation induction by supernumerary preovulatory follicular reduction. <i>Fertility and Sterility</i> , 2001 , 76, 820-2	4.8	28

101	Quality and functionality of human ovarian tissue after cryopreservation using an original slow freezing procedure. <i>Journal of Assisted Reproduction and Genetics</i> , 2013 , 30, 25-34	3.4	27
100	Acquisition and loss of oocyte meiotic and developmental competence during in vitro antral follicle growth in mouse. <i>Fertility and Sterility</i> , 2010 , 93, 2695-700	4.8	27
99	Follicular phase endocrine characteristics during ovarian stimulation and GnRH antagonist cotreatment for IVF: RCT comparing recFSH initiated on cycle day 2 or 5. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 1122-8	5.6	27
98	Serum S100B protein could help to detect cerebral complications associated with extracorporeal membrane oxygenation (ECMO). <i>Neurocritical Care</i> , 2014 , 20, 367-74	3.3	26
97	First trimester screening for Down's syndrome after assisted reproductive technology: non-male factor infertility is associated with elevated free beta-human chorionic gonadotropin levels at 10-14 weeks of gestation. <i>Fertility and Sterility</i> , 2008 , 90, 1206-10	4.8	26
96	Live births after oocyte in vitro maturation with a prematuration step in women with polycystic ovary syndrome. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 347-357	3.4	26
95	Ammonium accumulation and use of mineral oil overlay do not alter imprinting establishment at three key imprinted genes in mouse oocytes grown and matured in a long-term follicle culture. <i>Biology of Reproduction</i> , 2009 , 81, 666-73	3.9	25
94	Accuracy and reproducibility of automated estradiol-17beta and progesterone assays using native serum samples: results obtained in the Belgian external assessment scheme. <i>Human Reproduction</i> , 2007 , 22, 3204-9	5.7	25
93	Fetal hypothyroidism as a complication of amiodarone treatment for persistent fetal supraventricular tachycardia. <i>Prenatal Diagnosis</i> , 1994 , 14, 762-5	3.2	25
92	follicle culture in the context of IVF. <i>Reproduction</i> , 2018 , 156, F59-F73	3.8	24
91	Differences in collagen expression in cumulus cells after exposure to highly purified menotropin or recombinant follicle-stimulating hormone in a mouse follicle culture model. <i>Biology of Reproduction</i> , 2009 , 80, 1015-25	3.9	23
90	Follicle culture after ovarian cryostorage. <i>Maturitas</i> , 1998 , 30, 171-9	5	23
89	Neurokinin B Exerts Direct Effects on the Ovary to Stimulate Estradiol Production. <i>Endocrinology</i> , 2016 , 157, 3355-65	4.8	23
88	Pregnancy prediction in single embryo transfer cycles after ICSI using QPCR: validation in oocytes from the same cohort. <i>PLoS ONE</i> , 2013 , 8, e54226	3.7	22
87	Aneuploidy in mouse metaphase II oocytes exposed in vivo and in vitro in preantral follicle culture to nocodazole. <i>Mutagenesis</i> , 2005 , 20, 65-75	2.8	22
86	Ovarian follicle bioassay reveals adverse effects of diazepam exposure upon follicle development and oocyte quality. <i>Reproductive Toxicology</i> , 2005 , 20, 183-93	3.4	22
85	Luteal phase oestradiol suppression by letrozole: a pilot study in oocyte donors. <i>Reproductive BioMedicine Online</i> , 2008 , 17, 307-11	4	21
84	Survey of Fertility Preservation Options Available to Patients With Cancer Around the Globe. <i>JCO Global Oncology</i> , 2020 , 6,	3.7	21

83	Testosterone for Poor Ovarian Responders: Lessons From Ovarian Physiology. <i>Reproductive Sciences</i> , 2018 , 25, 980-982	3	20
82	Cortisol is an associated-risk factor of brain dysfunction in patients with severe sepsis and septic shock. <i>BioMed Research International</i> , 2014 , 2014, 712742	3	20
81	Multicenter evaluation of a rapid electrochemiluminescent adrenocorticotrophic hormone (ACTH) immunoassay. <i>Clinica Chimica Acta</i> , 2007 , 380, 75-80	6.2	20
80	Rapid detection of macroprolactin in the form of prolactin-immunoglobulin G complexes by immunoprecipitation with anti-human IgG-agarose. <i>Clinical Chemistry and Laboratory Medicine</i> , 2001 , 39, 1244-8	5.9	20
79	Estrogen receptor subtypes localization shifts in cultured mouse ovarian follicles. <i>Histochemistry and Cell Biology</i> , 2008 , 129, 827-40	2.4	18
78	Administration of gonadotropin-releasing hormone antagonist from day 1 of stimulation in in vitro fertilization. <i>Fertility and Sterility</i> , 2004 , 82, 223-6	4.8	18
77	The effects of chemicals on mammalian fertility. The report and recommendations of ECVAM Workshop 53—the first strategic workshop of the EU ReProTect Project. <i>ATLA Alternatives To Laboratory Animals</i> , 2005 , 33, 391-416	2.1	18
76	Transient fetal hypothyroidism due to direct fetal administration of amiodarone for drug resistant fetal tachycardia. <i>American Journal of Perinatology</i> , 2001 , 18, 113-6	3.3	18
75	In vitro follicle growth under non-attachment conditions and decreased FSH levels reduces Lhcgr expression in cumulus cells and promotes oocyte developmental competence. <i>Journal of Assisted Reproduction and Genetics</i> , 2012 , 29, 141-52	3.4	17
74	Interferences in Immunoassays 2012 ,		17
73	A differential cytokine expression profile is induced by highly purified human menopausal gonadotropin and recombinant follicle-stimulating hormone in a pre- and postovulatory mouse follicle culture model. <i>Fertility and Sterility</i> , 2010 , 93, 1464-76	4.8	17
72	Redox Biology of Human Cumulus Cells: Basic Concepts, Impact on Oocyte Quality, and Potential Clinical Use. <i>Antioxidants and Redox Signaling</i> , 2020 , 32, 522-535	8.4	17
71	Survey of Third-Party Parenting Options Associated With Fertility Preservation Available to Patients With Cancer Around the Globe. <i>JCO Global Oncology</i> , 2020 , 6,	3.7	17
70	Ovine secondary follicles vitrified out the ovarian tissue grow and develop in vitro better than those vitrified into the ovarian fragments. <i>Theriogenology</i> , 2016 , 85, 1203-10	2.8	16
69	Epiregulin can effectively mature isolated cumulus-oocyte complexes, but fails as a substitute for the hCG/epidermal growth factor stimulus on cultured follicles. <i>Reproduction</i> , 2009 , 137, 997-1005	3.8	16
68	Exposing cultured mouse ovarian follicles under increased gonadotropin tonus to aromatizable androgens influences the steroid balance and reduces oocyte meiotic capacity. <i>Endocrine</i> , 2010 , 38, 243-53	4.3	16
67	Trichlorfon-induced polyploidy and nondisjunction in mouse oocytes from preantral follicle culture. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008 , 651, 114-24	3	16
66	In-vitro maturation of oocytes versus conventional IVF in women with infertility and a high antral follicle count: a randomized non-inferiority controlled trial. <i>Human Reproduction</i> , 2020 , 35, 2537-2547	5.7	16

65	Effects of chilling on structural aspects of early preantral mouse follicles. <i>Biology of Reproduction</i> , 2004 , 70, 1041-8	3.9	15
64	Connexin 37 and 43 gene and protein expression and developmental competence of isolated ovine secondary follicles cultured in vitro after vitrification of ovarian tissue. <i>Theriogenology</i> , 2016 , 85, 1457-67	2.8	15
63	Hypotension and a positive fluid balance are associated with delirium in patients with shock. <i>PLoS ONE</i> , 2018 , 13, e0200495	3.7	14
62	Anti-Müllerian hormone for the assessment of ovarian response in GnRH-antagonist-treated oocyte donors. <i>Reproductive BioMedicine Online</i> , 2012 , 24, 532-9	4	14
61	Endometrial integrin expression in the early luteal phase in natural and stimulated cycles for in vitro fertilization. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2003 , 108, 67-71	2.4	14
60	Oocyte developmental competence after heterotopic transplantation of cryopreserved ovarian tissue. <i>Lancet, The</i> , 2004 , 363, 832-3	4.0	14
59	Clinical validation of a fully automated 17beta-estradiol and progesterone assay (VIDAS) for use in monitoring assisted reproduction treatment. <i>Clinical Chemistry and Laboratory Medicine</i> , 2002 , 40, 824-31	5.9	14
58	Sheep Isolated Secondary Follicles Are Able to Produce Metaphase II Oocytes After Vitrification and Long-Term In Vitro Growth. <i>Biopreservation and Biobanking</i> , 2017 , 15, 321-331	2.1	13
57	Multicentre performance evaluation of the E170 module for modular analytics. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004 , 42, 1186-202	5.9	13
56	Genome-wide assessment of DNA methylation in mouse oocytes reveals effects associated with in vitro growth, superovulation, and sexual maturity. <i>Clinical Epigenetics</i> , 2019 , 11, 197	7.7	12
55	Plasma and follicular fluid concentrations of LHRH antagonist cetrorelix (Cetrotide) in controlled ovarian stimulation for IVF. <i>Archives of Gynecology and Obstetrics</i> , 2002 , 266, 12-7	2.5	11
54	Evaluation of a new automated electrochemiluminescent sex hormone-binding globulin (SHBG) immunoassay. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005 , 43, 86-9	5.9	11
53	Effectiveness and safety of in vitro maturation of oocytes versus in vitro fertilisation in women with high antral follicle count: study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2018 , 8, e023413	3	11
52	The Role of Mitochondria in Oocyte Maturation. <i>Cells</i> , 2021 , 10,	7.9	11
51	The Place of In Vitro Maturation in Assisted Reproductive Technology. <i>Fertility & Reproduction</i> , 2019 , 01, 11-15	0.7	10
50	Immunoprecipitation for rapid detection of macroprolactin in the form of prolactin-immunoglobulin complexes. <i>Clinical Chemistry</i> , 2005 , 51, 1746-8	5.5	10
49	Accelerated follicle growth during the culture of isolated caprine preantral follicles is detrimental to follicular survival and oocyte meiotic resumption. <i>Theriogenology</i> , 2016 , 86, 1530-1540	2.8	9
48	Gene expression differences induced by equimolar low doses of LH or hCG in combination with FSH in cultured mouse antral follicles. <i>Journal of Endocrinology</i> , 2012 , 215, 269-80	4.7	9

47	Dynamics of imprinted DNA methylation and gene transcription for imprinting establishment in mouse oocytes in relation to culture duration variability. <i>Biology of Reproduction</i> , 2013 , 89, 130	3.9	9
46	Current status and future trends of the clinical practice of human oocyte in vitro maturation 186-198		9
45	Mouse cumulus-oocyte complexes from in vitro-cultured preantral follicles suggest an anti-luteinizing role for the EGF cascade in the cumulus cells. <i>Biology of Reproduction</i> , 2011 , 84, 1164-70	3.9	9
44	Are human oocytes from stem cells next?. <i>Nature Biotechnology</i> , 2016 , 34, 1247-1248	44.5	9
43	Stroma cell-derived factor 1 and connexins (37 and 43) are preserved after vitrification and in vitro culture of goat ovarian cortex. <i>Theriogenology</i> , 2018 , 116, 83-88	2.8	9
42	Improvement of in vitro culture of mouse cumulus-oocyte complexes using PDE3-inhibitor followed by meiosis induction with epiregulin. <i>Fertility and Sterility</i> , 2010 , 93, 936-44	4.8	8
41	Improving in vitro maturation of oocytes in the human taking lessons from experiences in animal species. <i>Reproduction in Domestic Animals</i> , 2001 , 36, 11-7	1.6	8
40	High prolactin levels are associated with more delirium in septic patients. <i>Journal of Critical Care</i> , 2016 , 33, 56-61	4	7
39	The effect of ovarian puncture on the endocrine profile of PCOS patients who undergo IVM. <i>Reproductive Biology and Endocrinology</i> , 2014 , 12, 18	5	7
38	IVM media are designed specifically to support immature cumulus-oocyte complexes not denuded oocytes that have failed to respond to hyperstimulation. <i>Fertility and Sterility</i> , 2011 , 96, e141; author reply e142	4.8	7
37	First childbirth from transplanted cryopreserved ovarian tissue brings hope for cancer survivors. <i>Lancet, The</i> , 2004 , 364, 1379-80	40	7
36	Supplementation of in vitro culture medium with FSH to grow follicles and mature oocytes can be replaced by extracts of <i>Justicia insularis</i> . <i>PLoS ONE</i> , 2018 , 13, e0208760	3.7	7
35	ATP-binding cassette (ABC) transporters in caprine preantral follicles: gene and protein expression. <i>Cell and Tissue Research</i> , 2018 , 372, 611-620	4.2	6
34	Performance evaluation of an automated electrochemiluminescent calcitonin (CT) immunoassay in diagnosis of medullary thyroid carcinoma. <i>Clinical Biochemistry</i> , 2016 , 49, 929-31	3.5	6
33	Exogenous hCG activity, but not endogenous LH activity, is positively associated with live birth rates in anovulatory infertility. <i>Human Fertility</i> , 2011 , 14, 192-9	1.9	6
32	Can peri-ovulatory putrescine supplementation improve egg quality in older infertile women?. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 395-402	3.4	6
31	Cumulus-corona gene expression analysis combined with morphological embryo scoring in single embryo transfer cycles increases live birth after fresh transfer and decreases time to pregnancy. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 433-443	3.4	6
30	In vitro growth and development of isolated secondary follicles from vitrified caprine ovarian cortex. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 359-370	1.8	6

29	Improved maturation competence of ovarian tissue oocytes using a biphasic in vitro maturation system for patients with gynecological malignancy: a study on sibling oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , 2021 , 38, 1331-1340	3.4	5
28	The endocannabinoid system modulates the ovarian physiology and its activation can improve in vitro oocyte maturation. <i>Journal of Cellular Physiology</i> , 2020 , 235, 7580-7591	7	4
27	Live-birth rates after HP-hMG stimulation in the long GnRH agonist protocol: association with mid-follicular hCG and progesterone concentrations, but not with LH concentrations. <i>Gynecological Endocrinology</i> , 2013 , 29, 46-50	2.4	4
26	Expression patterns of poliovirus receptor, erythrocyte protein band 4.1-like 3, regulator of g-protein signaling 11, and oxytocin receptor in mouse ovarian cells during follicle growth and early luteinization in vitro and in vivo. <i>Biology of Reproduction</i> , 2012 , 86, 1-11	3.9	4
25	Serum hormones for predicting pregnancy outcome after assisted reproductive technology. <i>Reproductive BioMedicine Online</i> , 2005 , 11, 183-8	4	4
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