Johan E J Smitz

List of Publications by Year
in descending order

176	9,141	34076 52	48277 88
papers	citations	h-index	g-index

178	178	178	6039
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High fertilization and implantation rates after intracytoplasmic sperm injection. Human Reproduction, 1993, 8, 1061-1066.	0.4	1,136
2	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. Fertility and Sterility, 2002, 78, 1025-1029.	0.5	323
3	Molecular control of oogenesis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1896-1912.	1.8	285
4	Fertility preservation in women with cancer. Lancet, The, 2014, 384, 1302-1310.	6.3	272
5	Comparison of different doses of gonadotropin-releasing hormone antagonist Cetrorelix during controlled ovarian hyperstimulation. Fertility and Sterility, 1997, 67, 917-922.	0.5	233
6	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. Fertility and Sterility, 1997, 67, 521-526.	0.5	208
7	The earliest stages of folliculogenesis in vitro. Reproduction, 2002, 123, 185-202.	1.1	201
8	Endocrine profile in serum and follicular fluid differs after ovarian stimulation with HP-hMG or recombinant FSH in IVF patients. Human Reproduction, 2006, 22, 676-687.	0.4	168
9	Luteinizing hormone and human chorionic gonadotropin: Origins of difference. Molecular and Cellular Endocrinology, 2014, 383, 203-213.	1.6	147
10	Live birth after transplantation ofÂfrozen-thawed ovarian tissue afterÂbilateral oophorectomy for benign disease. Fertility and Sterility, 2012, 98, 720-725.	0.5	145
11	The Promise of in Vitro Maturation in Assisted Reproduction and Fertility Preservation. Seminars in Reproductive Medicine, 2011, 29, 024-037.	0.5	141
12	Continuous exposure to bisphenol A during in vitro follicular development induces meiotic abnormalities. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 651, 71-81.	0.9	136
13	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. Fertility and Sterility, 1996, 66, 275-280.	0.5	125
14	In vitro maturation (IVM) of oocytes recovered from ovariectomy specimens in the laboratory: a promising â€œex vivoâ€•method of oocyte cryopreservation resulting in the first report of an ongoing pregnancy in Europe. Journal of Assisted Reproduction and Genetics, 2015, 32, 1221-1231.	1.2	124
15	Cumulus cell gene expression is associated with oocyte developmental quality and influenced by patient and treatment characteristics. Human Reproduction, 2010, 25, 1259-1270.	0.4	120
16	Cumulus cell gene expression predicts better cleavage-stage embryo or blastocyst development and pregnancy for ICSI patients. Human Reproduction, 2011, 26, 1035-1051.	0.4	116
17	Number of ovarian follicles in human fetuses with the 45,x karyotype. Fertility and Sterility, 2004, 81, 1112-1119.	0.5	111
18	Impact of ovarian stimulation on corpus luteum function and embryonic implantation. Journal of Reproductive Immunology, 2002, 55, 123-130.	0.8	104

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19	Vitamin D deficiency and pregnancy rates in women undergoing single embryo, blastocyst stage, transfer (SET) for IVF/ICSI. Human Reproduction, 2014, 29, 2032-2040.	0.4	100
20	The Role of Mitochondria in Oocyte Maturation. Cells, 2021, 10, 2484.	1.8	98
21	Profound LH suppression after GnRH antagonist administration is associated with a significantly higher ongoing pregnancy rate in IVF. Human Reproduction, 2004, 19, 2490-2496.	0.4	97
22	Human Oocytes Reversibly Arrested in Prophase I by Phosphodiesterase Type 3 Inhibitor In Vitro1. Biology of Reproduction, 2003, 69, 1042-1052.	1.2	92
23	Culture of oocytes and risk of imprinting defects. Human Reproduction Update, 2013, 19, 52-66.	5.2	90
24	Alpha-fetoprotein, the major fetal serum protein, is not essential for embryonic development but is required for female fertility. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12865-12870.	3.3	84
25	Melatonin protects against cisplatin-induced ovarian damage in mice via the MT1 receptor and antioxidant activityâ€. Biology of Reproduction, 2017, 96, 1244-1255.	1.2	83
26	The value of anti-Mullerian hormone measurement in the long GnRH agonist protocol: association with ovarian response and gonadotrophin-dose adjustments. Human Reproduction, 2012, 27, 1829-1839.	0.4	81
27	The definition of IVM is clearâ€"variations need defining. Human Reproduction, 2016, 31, 2411-2415.	0.4	81
28	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 Cetrorelix. Human Reproduction, 2001, 16, 663-667.	0.4	80
29	Elevated progesterone at initiation of stimulation is associated with a lower ongoing pregnancy rate after IVF using GnRH antagonists. Human Reproduction, 2004, 19, 1525-1529.	0.4	79
30	A Reproducible Two-Step Culture System for Isolated Primary Mouse Ovarian Follicles as Single Functional Units1. Biology of Reproduction, 2004, 71, 1730-1738.	1.2	77
31	Prospective study into the value of the automated Elecsys antimÃ¼llerian hormone assay for the assessment of the ovarian growing follicle pool. Fertility and Sterility, 2015, 103, 1074-1080.e4.	0.5	77
32	Functional AR Signaling Is Evident in an In Vitro Mouse Follicle Culture Bioassay That Encompasses Most Stages of Folliculogenesis1. Biology of Reproduction, 2009, 80, 685-695.	1.2	75
33	Clinical outcome of nonâ€"hCG-primed oocyte inÂvitro maturation treatment in patients with polycystic ovaries and polycystic ovary syndrome. Fertility and Sterility, 2011, 96, 860-864.e1.	0.5	75
34	Heparin and cAMP modulators interact during pre-in vitro maturation to affect mouse and human oocyte meiosis and developmental competence. Human Reproduction, 2013, 28, 1536-1545.	0.4	73
35	Biphasic in vitro maturation (CAPA-IVM) specifically improves the developmental capacity of oocytes from small antral follicles. Journal of Assisted Reproduction and Genetics, 2019, 36, 2135-2144.	1.2	72
36	Creating a Global Community of Practice for Oncofertility. JCO Global Oncology, 2016, 2, 83-96.	0.8	69

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37	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. Fertility and Sterility, 2002, 78, 237-244.	0.5	68
38	New candidate genes to predict pregnancy outcome in single embryo transfer cycles when using cumulus cell gene expression. Fertility and Sterility, 2012, 98, 432-439.e4.	0.5	68
39	Live births after oocyte in vitro maturation with a prematuration step in women with polycystic ovary syndrome. Journal of Assisted Reproduction and Genetics, 2020, 37, 347-357.	1.2	66
40	Clinical and biologic evaluation of ovarian function in women treated by bone marrow transplantation for various indications during childhood or adolescence. Fertility and Sterility, 2011, 96, 126-133.e3.	0.5	65
41	Luteinizing hormone and human chorionic gonadotropin: distinguishing unique physiologic roles. Gynecological Endocrinology, 2014, 30, 174-181.	0.7	65
42	Effects of recombinant activin A on in vitro culture of mouse preantral follicles. Molecular Reproduction and Development, 1998, 50, 294-304.	1.0	64
43	Prematuration with Cyclic Adenosine Monophosphate Modulators Alters Cumulus Cell and Oocyte Metabolism and Enhances Developmental Competence of In Vitro-Matured Mouse Oocytes1. Biology of Reproduction, 2014, 91, 47.	1.2	64
44	Aromatase inhibitors in ovarian stimulation for IVF/ICSI: a pilot study. Reproductive BioMedicine Online, 2006, 13, 166-172.	1.1	63
45	Follicular growth and estradiol follow-up after subcutaneous xenografting of fresh and cryopreserved human ovarian tissue. Fertility and Sterility, 2008, 89, 1787-1794.	0.5	63
46	In-vitro maturation of oocytes versus conventional IVF in women with infertility and a high antral follicle count: a randomized non-inferiority controlled trial. Human Reproduction, 2020, 35, 2537-2547.	0.4	62
47	Clinical and biological characterization of macroprolactinemia with and without prolactin-IgG complexes. European Journal of Endocrinology, 2003, 149, 201-207.	1.9	59
48	Exogenous luteinizing hormone activity may influence the treatment outcome in in vitro fertilization but not in intracytoplasmic sperm injection cycles. Fertility and Sterility, 2004, 81, 1401-1404.	0.5	59
49	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. Biology of Reproduction, 2016, 95, 64-64.	1.2	59
50	Promotion of EGF receptor signaling improves the quality of low developmental competence oocytes. Developmental Biology, 2015, 403, 139-149.	0.9	58
51	Unaltered imprinting establishment of key imprinted genes in mouse oocytes after in vitro follicle culture under variable follicle-stimulating hormone exposure. International Journal of Developmental Biology, 2009, 53, 541-548.	0.3	56
52	Preantral follicle culture as a novel in vitro assay in reproductive toxicology testing in mammalian oocytes. Mutagenesis, 2004, 19, 13-25.	1.0	55
53	Vitrification of human ovarian tissue: a practical and relevant alternative to slow freezing. Reproductive Biology and Endocrinology, 2015, 13, 67.	1.4	55
54	The cumulus cell gene expression profile of oocytes with different nuclear maturity and potential for blastocyst formation. Journal of Assisted Reproduction and Genetics, 2011, 28, 31-40.	1.2	53

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55	Developmental capacity of inÂvitroâ€“matured human oocytes retrieved from polycystic ovary syndrome ovaries containing no follicles larger than 6 mm. Fertility and Sterility, 2012, 98, 503-507.e2.	0.5	53
56	Alpha-Fetoprotein Controls Female Fertility and Prenatal Development of the Gonadotropin-Releasing Hormone Pathway through an Antiestrogenic Action. Molecular and Cellular Biology, 2006, 26, 2012-2018.	1.1	51
57	A â€œfreeze-allâ€•embryo strategy afterÂinÂvitro maturation: a novel approach in women with polycystic ovary syndrome?. Fertility and Sterility, 2013, 100, 1002-1007.e1.	0.5	51
58	Redox Biology of Human Cumulus Cells: Basic Concepts, Impact on Oocyte Quality, and Potential Clinical Use. Antioxidants and Redox Signaling, 2020, 32, 522-535.	2.5	49
59	Morphological and ultrastructural evaluation of cultured frozenâ€“thawed human fetal ovarian tissue. Fertility and Sterility, 2006, 85, 1130-1141.	0.5	47
60	Quantification of oocyte-specific transcripts in follicle-enclosed oocytes during antral development and maturation in vitro. Molecular Human Reproduction, 2009, 15, 539-550.	1.3	47
61	Effects of Low Methyl Donor Levels in Culture Medium During Mouse Follicle Culture on Oocyte Imprinting Establishment1. Biology of Reproduction, 2010, 83, 377-386.	1.2	47
62	Time of insemination and its effect on in-vitro fertilization, cleavage and pregnancy rates in GnRH agonist/HMG-stimulated cycles. Human Reproduction, 1989, 4, 921-926.	0.4	46
63	Normal oxygen atmosphere is essential for the solitary long-term culture of early preantral mouse follicles. Molecular Reproduction and Development, 1996, 45, 466-475.	1.0	46
64	Oocyte maturity and preimplantation development in relation to follicle diameter in gonadotropin-releasing hormone agonist or antagonist treatments. Fertility and Sterility, 2006, 85, 578-583.	0.5	46
65	Neurokinin B Exerts Direct Effects on the Ovary to Stimulate Estradiol Production. Endocrinology, 2016, 157, 3355-3365.	1.4	45
66	Different Follicle-Stimulating Hormone Exposure Regimens During Antral Follicle Growth Alter Gene Expression in the Cumulus-Oocyte Complex in Mice1. Biology of Reproduction, 2010, 83, 514-524.	1.2	43
67	A prediction model to select PCOS patients suitable for IVM treatment based on anti-Mullerian hormone and antral follicle count. Human Reproduction, 2013, 28, 1261-1266.	0.4	43
68	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. Fertility and Sterility, 2002, 77, 733-737.	0.5	42
69	Serum S100B Protein Could Help to Detect Cerebral Complications Associated with Extracorporeal Membrane Oxygenation (ECMO). Neurocritical Care, 2014, 20, 367-374.	1.2	42
70	In vitro follicle culture in the context of IVF. Reproduction, 2018, 156, F59-F73.	1.1	42
71	Survey of Fertility Preservation Options Available to Patients With Cancer Around the Globe. JCO Global Oncology, 2020, 6, 331-344.	0.8	40
72	Accuracy and reproducibility of automated estradiol-17beta and progesterone assays using native serum samples: results obtained in the Belgian external assessment scheme. Human Reproduction, 2007, 22, 3204-3209.	0.4	38

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73	Steroidogenesis-disrupting compounds can be effectively studied for major fertility-related endpoints using in vitro cultured mouse follicles. Toxicology Letters, 2009, 185, 143-152.	0.4	38
74	Timing of Nuclear Maturation and Postovulatory Aging in Oocytes of In Vitro-Grown Mouse Follicles with or Without Oil Overlay1. Biology of Reproduction, 2008, 78, 859-868.	1.2	37
75	Immature oocyte in-vitro maturation: clinical aspects. Reproductive BioMedicine Online, 2005, 10, 587-592.	1.1	35
76	Fetal hypothyroidism as a complication of amiodarone treatment for persistent fetal supraventricular tachycardia. Prenatal Diagnosis, 1994, 14, 762-765.	1.1	34
77	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. Biology of Reproduction, 2011, 85, 565-574.	1.2	34
78	Quality and functionality of human ovarian tissue after cryopreservation using an original slow freezing procedure. Journal of Assisted Reproduction and Genetics, 2013, 30, 25-34.	1.2	34
79	Follicle-Stimulating Hormone: A Review of Form and Function in the Treatment of Infertility. Reproductive Sciences, 2016, 23, 706-716.	1.1	34
80	Principal findings from a multicenter trial investigating the safety of follicular-fluid meiosis-activating sterol for in vitro maturation of human cumulus-enclosed oocytes. Fertility and Sterility, 2007, 87, 949-964.	0.5	33
81	Pregnancy Prediction in Single Embryo Transfer Cycles after ICSI Using QPCR: Validation in Oocytes from the Same Cohort. PLoS ONE, 2013, 8, e54226.	1.1	32
82	Avoidance of multiple pregnancies after ovulation induction by supernumerary preovulatory follicular reduction. Fertility and Sterility, 2001, 76, 820-822.	0.5	31
83	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 Culture1. Biology of Reproduction, 2009, 81, 666-673.	1.2	31
84	Acquisition and loss of oocyte meiotic and developmental competence during in vitro antral follicle growth in mouse. Fertility and Sterility, 2010, 93, 2695-2700.	0.5	29
85	Follicular Phase Endocrine Characteristics during Ovarian Stimulation and GnRH Antagonist Cotreatment for IVF: RCT Comparing recFSH Initiated on Cycle Day 2 or 5. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 1122-1128.	1.8	29
86	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 10â€“14 weeks of gestation. Fertility and Sterility, 2008, 90, 1206-1210.	0.5	28
87	Highly purified HMG versus recombinant FSH for ovarian stimulation in IVF cycles. Reproductive BioMedicine Online, 2008, 17, 190-198.	1.1	28
88	Cortisol Is an Associated-Risk Factor of Brain Dysfunction in Patients with Severe Sepsis and Septic Shock. BioMed Research International, 2014, 2014, 1-7.	0.9	28
89	Genome-wide assessment of DNA methylation in mouse oocytes reveals effects associated with in vitro growth, superovulation, and sexual maturity. Clinical Epigenetics, 2019, 11, 197.	1.8	28
90	Interferences in Immunoassays. , 0, , .		27

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91	Rapid Detection of Macroprolactin in tHe Form of Prolactin-Immunoglobulin G Complexes by Immunoprecipitation with Anti-human IgG-Agarose. Clinical Chemistry and Laboratory Medicine, 2001, 39, 1244-8.	1.4	26
92	Transient Fetal Hypothyroidism Due to Direct Fetal Administration of Amiodarone for Drug Resistant Fetal Tachycardia. American Journal of Perinatology, 2001, 18, 113-116.	0.6	26
93	Differences in Collagen Expression in Cumulus Cells after Exposure to Highly Purified Menotropin or Recombinant Follicle-Stimulating Hormone in a Mouse Follicle Culture Model1. Biology of Reproduction, 2009, 80, 1015-1025.	1.2	26
94	Survey of Third-Party Parenting Options Associated With Fertility Preservation Available to Patients With Cancer Around the Globe. JCO Global Oncology, 2020, 6, 345-349.	0.8	26
95	The Effects of Chemicals on Mammalian Fertility. ATLA Alternatives To Laboratory Animals, 2005, 33, 391-416.	0.7	25
96	Testosterone for Poor Ovarian Responders: Lessons From Ovarian Physiology. Reproductive Sciences, 2018, 25, 980-982.	1.1	25
97	Follicle culture after ovarian cryostorage. Maturitas, 1998, 30, 171-179.	1.0	24
98	Ovarian follicle bioassay reveals adverse effects of diazepam exposure upon follicle development and oocyte quality. Reproductive Toxicology, 2005, 20, 183-193.	1.3	24
99	Aneuploidy in mouse metaphase II oocytes exposed in vivo and in vitro in preantral follicle culture to nocodazole. Mutagenesis, 2005, 20, 65-75.	1.0	24
100	Luteal phase oestradiol suppression by letrozole: a pilot study in oocyte donors. Reproductive BioMedicine Online, 2008, 17, 307-311.	1.1	23
101	Hypotension and a positive fluid balance are associated with delirium in patients with shock. PLoS ONE, 2018, 13, e0200495.	1.1	23
102	In vitro follicle growth under non-attachment conditions and decreased FSH levels reduces Lhcgr expression in cumulus cells and promotes oocyte developmental competence. Journal of Assisted Reproduction and Genetics, 2012, 29, 141-152.	1.2	22
103	Exposing cultured mouse ovarian follicles under increased gonadotropin tonus to aromatizable androgens influences the steroid balance and reduces oocyte meiotic capacity. Endocrine, 2010, 38, 243-253.	1.1	21
104	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. BMJ Open, 2018, 8, e023413.	0.8	21
105	Improved maturation competence of ovarian tissue oocytes using a biphasic in vitro maturation system for patients with gynecological malignancy: a study on sibling oocytes. Journal of Assisted Reproduction and Genetics, 2021, 38, 1331-1340.	1.2	21
106	Administration of gonadotropin-releasing hormone antagonist from day 1 of stimulation in in vitro fertilization. Fertility and Sterility, 2004, 82, 223-226.	0.5	20
107	Multicenter evaluation of a rapid electrochemiluminescent adrenocorticotropic hormone (ACTH) immunoassay. Clinica Chimica Acta, 2007, 380, 75-80.	0.5	20
108	Estrogen receptor subtypes localization shifts in cultured mouse ovarian follicles. Histochemistry and Cell Biology, 2008, 129, 827-840.	0.8	19

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109	Connexin 37 and 43 gene and protein expression and developmental competence of isolated ovine secondary follicles cultured inÂvitro after vitrification of ovarian tissue. Theriogenology, 2016, 85, 1457-1467.	0.9	19
110	The Place of In Vitro Maturation in Assisted Reproductive Technology. Fertility & Reproduction, 2019, 01, 11-15.	0.0	19
111	Trichlorfon-induced polyploidy and nondisjunction in mouse oocytes from preantral follicle culture. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 651, 114-124.	0.9	18
112	Epiregulin can effectively mature isolated cumulusâ€“oocyte complexes, but fails as a substitute for the hCG/epidermal growth factor stimulus on cultured follicles. Reproduction, 2009, 137, 997-1005.	1.1	18
113	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. Fertility and Sterility, 2010, 93, 1464-1476.	0.5	18
114	Ovine secondary follicles vitrified out the ovarian tissue grow and develop inÂvitro better than those vitrified into the ovarian fragments. Theriogenology, 2016, 85, 1203-1210.	0.9	18
115	Endometrial integrin expression in the early luteal phase in natural and stimulated cycles for in vitro fertilization. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2003, 108, 67-71.	0.5	17
116	Multicentre performance evaluation of the E170 Module for MODULAR ANALYTICS. Clinical Chemistry and Laboratory Medicine, 2004, 42, 1186-202.	1.4	17
117	Effects of Chilling on Structural Aspects of Early Preantral Mouse Follicles1. Biology of Reproduction, 2004, 70, 1041-1048.	1.2	17
118	Glucose metabolism characterization during mouse in vitro maturation identifies alterations in cumulus cellsâ€. Biology of Reproduction, 2021, 104, 902-913.	1.2	17
119	Clinical Validation of a Fully Automated 17Î²-Estradiol and Progesterone Assay (VIDASÂ®) for Use in Monitoring Assisted Reproduction Treatment. Clinical Chemistry and Laboratory Medicine, 2002, 40, 824-31.	1.4	16
120	Oocyte developmental competence after heterotopic transplantation of cryopreserved ovarian tissue. Lancet, The, 2004, 363, 832-833.	6.3	15
121	Anti-MÃ¼llerian hormone for the assessment of ovarian response in GnRH-antagonist-treated oocyte donors. Reproductive BioMedicine Online, 2012, 24, 532-539.	1.1	15
122	Sheep Isolated Secondary Follicles Are Able to Produce Metaphase II Oocytes After Vitrification and Long-TermIn VitroGrowth. Biopreservation and Biobanking, 2017, 15, 321-331.	0.5	15
123	Can peri-ovulatory putrescine supplementation improve egg quality in older infertile women?. Journal of Assisted Reproduction and Genetics, 2019, 36, 395-402.	1.2	15
124	Positive effects of amphiregulin on human oocyte maturation and its molecular drivers in patients with polycystic ovary syndrome. Human Reproduction, 2021, 37, 30-43.	0.4	15
125	Evaluation of a new automated electrochemiluminescent sex hormone-binding globulin (SHBG) immunoassay. Clinical Chemistry and Laboratory Medicine, 2005, 43, 86-9.	1.4	14
126	Accelerated follicle growth during the culture of isolated caprine preantral follicles is detrimental to follicular survival and oocyte meiotic resumption. Theriogenology, 2016, 86, 1530-1540.	0.9	14

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127	Influence of human chorionic gonadotrophin during ovarian stimulation: an overview. Reproductive Biology and Endocrinology, 2020, 18, 80.	1.4	14
128	Plasma and follicular fluid concentrations of LHRH antagonist cetrorelix (CetrotideÂ®) in controlled ovarian stimulation for IVF. Archives of Gynecology and Obstetrics, 2002, 266, 12-17.	0.8	13
129	Fresh embryo transfer versus freeze-only after in vitro maturation with a pre-maturation step in women with high antral follicle count: a randomized controlled pilot study. Journal of Assisted Reproduction and Genetics, 2021, 38, 1293-1302.	1.2	13
130	Gene expression differences induced by equimolar low doses of LH or hCG in combination with FSH in cultured mouse antral follicles. Journal of Endocrinology, 2012, 215, 269-280.	1.2	12
131	Stroma cell-derived factor 1 and connexins (37 and 43) are preserved after vitrification and inÂvitro culture of goat ovarian cortex. Theriogenology, 2018, 116, 83-88.	0.9	12
132	Immunoprecipitation for Rapid Detection of Macroprolactin in the Form of Prolactinâ€“Immunoglobulin Complexes. Clinical Chemistry, 2005, 51, 1746-1748.	1.5	11
133	IVM media are designed specifically to support immature cumulus-oocyte complexes not denuded oocytes that have failed to respond to hyperstimulation. Fertility and Sterility, 2011, 96, e141.	0.5	11
134	Dynamics of Imprinted DNA Methylation and Gene Transcription for Imprinting Establishment in Mouse Oocytes in Relation to Culture Duration Variability1. Biology of Reproduction, 2013, 89, 130.	1.2	11
135	ATP-binding cassette (ABC) transporters in caprine preantral follicles: gene and protein expression. Cell and Tissue Research, 2018, 372, 611-620.	1.5	11
136	Current status and future trends of the clinical practice of human oocyte in vitro maturation. , 2011, , 186-198.		10
137	Mouse Cumulus-Oocyte Complexes from In Vitro-Cultured Preantral Follicles Suggest an Anti-Luteinizing Role for the EGF Cascade in the Cumulus Cells1. Biology of Reproduction, 2011, 84, 1164-1170.	1.2	10
138	The effect of ovarian puncture on the endocrine profile of PCOS patients who undergo IVM. Reproductive Biology and Endocrinology, 2014, 12, 18.	1.4	10
139	High prolactin levels are associated with more delirium in septic patients. Journal of Critical Care, 2016, 33, 56-61.	1.0	10
140	Supplementation of in vitro culture medium with FSH to grow follicles and mature oocytes can be replaced by extracts of Justicia insularis. PLoS ONE, 2018, 13, e0208760.	1.1	10
141	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. Journal of Assisted Reproduction and Genetics, 2019, 36, 433-443.	1.2	10
142	Development of children born from IVM versus IVF: 2-year follow-up of a randomized controlled trial. Human Reproduction, 2022, 37, 1871-1879.	0.4	10
143	Improving in vitro Maturation of Oocytes in the Human Taking Lessons from Experiences in Animal Species. Reproduction in Domestic Animals, 2001, 36, 11-17.	0.6	9
144	Are human oocytes from stem cells next?. Nature Biotechnology, 2016, 34, 1247-1248.	9.4	9

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145	In vitro growth and development of isolated secondary follicles from vitrified caprine ovarian cortex. Reproduction, Fertility and Development, 2018, 30, 359.	0.1	9
146	Prospects of Rescuing Young Eggs for Oncofertility. Trends in Endocrinology and Metabolism, 2020, 31, 708-711.	3.1	9
147	Melatonin Attenuates Cyclophosphamide-Induced Primordial Follicle Loss by Interaction with MT1 Receptor and Modulation of PTEN/Akt/FOXO3a Proteins in the Mouse Ovary. Reproductive Sciences, 2021, , 1.	1.1	9
148	Improvement of in vitro culture of mouse cumulusâ€“oocyte complexes using PDE3-inhibitor followed by meiosis induction with epiregulin. Fertility and Sterility, 2010, 93, 936-944.	0.5	8
149	Xenotransplantation of goat ovary as an alternative to analyse follicles after vitrification. Reproduction in Domestic Animals, 2019, 54, 216-224.	0.6	8
150	Improved clinical outcomes after non-invasive oocyte selection and Day 3 eSET in ICSI patients. Reproductive Biology and Endocrinology, 2021, 19, 26.	1.4	8
151	Effect of cumulin and super-GDF9 in standard and biphasic mouse IVM. Journal of Assisted Reproduction and Genetics, 2022, 39, 127-140.	1.2	8
152	Circulating anti-prolactin auto-antibodies must be considered in the differential diagnosis of hyperprolactinaemia in adolescents. European Journal of Pediatrics, 2002, 161, 373-376.	1.3	7
153	First childbirth from transplanted cryopreserved ovarian tissue brings hope for cancer survivors. Lancet, The, 2004, 364, 1379-1380.	6.3	7
154	Folliculogenesis and oogenesis: from basic science to the clinic. Molecular Human Reproduction, 2010, 16, 617-620.	1.3	7
155	Exogenous hCG activity, but not endogenous LH activity, is positively associated with live birth rates in anovulatory infertility. Human Fertility, 2011, 14, 192-199.	0.7	7
156	Performance evaluation of an automated electrochemiluminescent calcitonin (CT) immunoassay in diagnosis of medullary thyroid carcinoma. Clinical Biochemistry, 2016, 49, 929-931.	0.8	7
157	The endocannabinoid system modulates the ovarian physiology and its activation can improve in vitro oocyte maturation. Journal of Cellular Physiology, 2020, 235, 7580-7591.	2.0	7
158	Spuriously elevated serum estradiol concentrations measured by an automated immunoassay rarely cause unnecessary cancellation of in vitro fertilization cycles. Fertility and Sterility, 2006, 85, 1822.e5-1822.e8.	0.5	6
159	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. Gynecological Endocrinology, 2013, 29, 46-50.	0.7	6
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