

Carlos M Simon

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

383
papers

18,084
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75
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112
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416
ext. papers

21,132
ext. citations

4
avg, IF

6.71
L-index

#	Paper	IF	Citations
383	A genomic diagnostic tool for human endometrial receptivity based on the transcriptomic signature. <i>Fertility and Sterility</i> , 2011 , 95, 50-60, 60.e1-15	4.8	334
382	Gene expression profiling of human endometrial receptivity on days LH+2 versus LH+7 by microarray technology. <i>Molecular Human Reproduction</i> , 2003 , 9, 253-64	4.4	316
381	Evidence that the endometrial microbiota has an effect on implantation success or failure. <i>American Journal of Obstetrics and Gynecology</i> , 2016 , 215, 684-703	6.4	314
380	The endometrial receptivity array for diagnosis and personalized embryo transfer as a treatment for patients with repeated implantation failure. <i>Fertility and Sterility</i> , 2013 , 100, 818-24	4.8	269
379	Premature luteinization during gonadotropin-releasing hormone antagonist cycles and its relationship with in vitro fertilization outcome. <i>Fertility and Sterility</i> , 2003 , 80, 1444-9	4.8	244
378	Increasing levels of estradiol are deleterious to embryonic implantation because they directly affect the embryo. <i>Fertility and Sterility</i> , 2001 , 76, 962-8	4.8	237
377	Genome-wide parent-of-origin DNA methylation analysis reveals the intricacies of human imprinting and suggests a germline methylation-independent mechanism of establishment. <i>Genome Research</i> , 2014 , 24, 554-69	9.7	232
376	Human pre-implantation embryo development. <i>Development (Cambridge)</i> , 2012 , 139, 829-41	6.6	218
375	Effect of controlled ovarian hyperstimulation in IVF on endometrial gene expression profiles. <i>Molecular Human Reproduction</i> , 2005 , 11, 195-205	4.4	215
374	Increasing uterine receptivity by decreasing estradiol levels during the preimplantation period in high responders with the use of a follicle-stimulating hormone step-down regimen. <i>Fertility and Sterility</i> , 1998 , 70, 234-9	4.8	197
373	In vitro fertilization with preimplantation genetic diagnosis for aneuploidies in advanced maternal age: a randomized, controlled study. <i>Fertility and Sterility</i> , 2017 , 107, 1122-1129	4.8	196
372	Obesity and the risk of spontaneous abortion after oocyte donation. <i>Fertility and Sterility</i> , 2003 , 79, 1136-40	4.8	196
371	Human germ cell differentiation from fetal- and adult-derived induced pluripotent stem cells. <i>Human Molecular Genetics</i> , 2011 , 20, 752-62	5.6	194
370	Impact of stage III-IV endometriosis on recipients of sibling oocytes: matched case-control study. <i>Fertility and Sterility</i> , 2000 , 74, 31-4	4.8	179
369	Autologous cell therapy with CD133+ bone marrow-derived stem cells for refractory Asherman's syndrome and endometrial atrophy: a pilot cohort study. <i>Human Reproduction</i> , 2016 , 31, 1087-96	5.7	177
368	The accuracy and reproducibility of the endometrial receptivity array is superior to histology as a diagnostic method for endometrial receptivity. <i>Fertility and Sterility</i> , 2013 , 99, 508-17	4.8	176
367	The pathogenesis of ovarian hyperstimulation syndrome: in vivo studies investigating the role of interleukin-1beta, interleukin-6, and vascular endothelial growth factor. <i>Fertility and Sterility</i> , 1999 , 71, 482-9	4.8	169

366	Dopamine agonist cabergoline reduces hemoconcentration and ascites in hyperstimulated women undergoing assisted reproduction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 2931-7	5.6	162
365	Interactions of the hormones leptin, ghrelin, adiponectin, resistin, and PYY3-36 with the reproductive system. <i>Fertility and Sterility</i> , 2006 , 85, 1563-81	4.8	162
364	Leptin and leptin receptor are expressed in the human endometrium and endometrial leptin secretion is regulated by the human blastocyst. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 4883-8	5.6	162
363	The follicular and endocrine environment in women with endometriosis: local and systemic cytokine production. <i>Fertility and Sterility</i> , 1998 , 70, 425-31	4.8	158
362	Targeting the vascular endothelial growth factor system to prevent ovarian hyperstimulation syndrome. <i>Human Reproduction Update</i> , 2008 , 14, 321-33	15.8	150
361	Controlled ovarian stimulation induces a functional genomic delay of the endometrium with potential clinical implications. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 4500-10	5.6	150
360	Paracrine regulators of implantation. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2000 , 14, 815-26	4.6	149
359	Mitochondrial DNA content as a viability score in human euploid embryos: less is better. <i>Fertility and Sterility</i> , 2015 , 104, 534-41.e1	4.8	147
358	Age and uterine receptiveness: predicting the outcome of oocyte donation cycles. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 4399-404	5.6	147
357	Hsa-miR-30d, secreted by the human endometrium, is taken up by the pre-implantation embryo and might modify its transcriptome. <i>Development (Cambridge)</i> , 2015 , 142, 3210-21	6.6	144
356	Human endometrial side population cells exhibit genotypic, phenotypic and functional features of somatic stem cells. <i>PLoS ONE</i> , 2010 , 5, e10964	3.7	144
355	Lower implantation rates in high responders: evidence for an altered endocrine milieu during the preimplantation period. <i>Fertility and Sterility</i> , 1996 , 65, 1190-5	4.8	144
354	Defective decidualization during and after severe preeclampsia reveals a possible maternal contribution to the etiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8468-E8477	11.5	141
353	Role of endometrial factors in regulating secretion of components of the immunoreactive human embryonic interleukin-1 system during embryonic development. <i>Biology of Reproduction</i> , 1996 , 54, 563-74	7.9	140
352	Vascular endothelial growth factor receptor-2 activation induces vascular permeability in hyperstimulated rats, and this effect is prevented by receptor blockade. <i>Endocrinology</i> , 2002 , 143, 4339-48	4.8	138
351	Reconstruction of endometrium from human endometrial side population cell lines. <i>PLoS ONE</i> , 2011 , 6, e21221	3.7	132
350	Cytokines and embryo implantation. <i>Journal of Reproductive Immunology</i> , 1998 , 39, 117-31	4.2	131
349	Divergent RNA-binding proteins, DAZL and VASA, induce meiotic progression in human germ cells derived in vitro. <i>Stem Cells</i> , 2012 , 30, 441-51	5.8	128

348	Low-dose dopamine agonist administration blocks vascular endothelial growth factor (VEGF)-mediated vascular hyperpermeability without altering VEGF receptor 2-dependent luteal angiogenesis in a rat ovarian hyperstimulation model. <i>Endocrinology</i> , 2006 , 147, 5400-11	4.8	126
347	Follicular hormonal environment and embryo quality in women with endometriosis. <i>Human Reproduction Update</i> , 2000 , 6, 67-74	15.8	126
346	Preimplantation genetic screening using fluorescence in situ hybridization in patients with repetitive implantation failure and advanced maternal age: two randomized trials. <i>Fertility and Sterility</i> , 2013 , 99, 1400-7	4.8	121
345	Profiling the gene signature of endometrial receptivity: clinical results. <i>Fertility and Sterility</i> , 2013 , 99, 1078-85	4.8	116
344	In vitro fertilization plus preimplantation genetic diagnosis in patients with recurrent miscarriage: an analysis of chromosome abnormalities in human preimplantation embryos. <i>Fertility and Sterility</i> , 1999 , 71, 1033-9	4.8	115
343	Immunohistochemical localization of the interleukin-1 system in the mouse ovary during follicular growth, ovulation, and luteinization. <i>Biology of Reproduction</i> , 1994 , 50, 449-57	3.9	111
342	Forty years of IVF. <i>Fertility and Sterility</i> , 2018 , 110, 185-324.e5	4.8	108
341	Interleukin-1 receptor antagonist prevents embryonic implantation by a direct effect on the endometrial epithelium. <i>Fertility and Sterility</i> , 1998 , 70, 896-906	4.8	106
340	Hormonal and embryonic regulation of chemokines IL-8, MCP-1 and RANTES in the human endometrium during the window of implantation. <i>Molecular Human Reproduction</i> , 2002 , 8, 375-84	4.4	105
339	Meta-signature of human endometrial receptivity: a meta-analysis and validation study of transcriptomic biomarkers. <i>Scientific Reports</i> , 2017 , 7, 10077	4.9	103
338	Effect of age on sperm fertility potential: oocyte donation as a model. <i>Fertility and Sterility</i> , 1996 , 66, 260-4	4.8	103
337	The diagnosis of chronic endometritis in infertile asymptomatic women: a comparative study of histology, microbial cultures, hysteroscopy, and molecular microbiology. <i>American Journal of Obstetrics and Gynecology</i> , 2018 , 218, 602.e1-602.e16	6.4	100
336	MicroRNA: key gene expression regulators. <i>Fertility and Sterility</i> , 2014 , 101, 1516-23	4.8	100
335	The why, the how and the when of PGS 2.0: current practices and expert opinions of fertility specialists, molecular biologists, and embryologists. <i>Molecular Human Reproduction</i> , 2016 , 22, 845-57	4.4	99
334	Guidelines for the design, analysis and interpretation of OmicsSdata: focus on human endometrium. <i>Human Reproduction Update</i> , 2014 , 20, 12-28	15.8	99
333	Hormonal and embryonic regulation of chemokine receptors CXCR1, CXCR4, CCR5 and CCR2B in the human endometrium and the human blastocyst. <i>Molecular Human Reproduction</i> , 2003 , 9, 189-98	4.4	98
332	The genomics of the human endometrium. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 1931-42	6.9	96
331	Human CD133(+) bone marrow-derived stem cells promote endometrial proliferation in a murine model of Asherman syndrome. <i>Fertility and Sterility</i> , 2015 , 104, 1552-60.e1-3	4.8	95

330	Aging and the environment affect gamete and embryo potential: can we intervene?. <i>Fertility and Sterility</i> , 2016 , 105, 548-559	4.8	95
329	Evaluation of the ovarian reserve in young low responders with normal basal levels of follicle-stimulating hormone using three-dimensional ultrasonography. <i>Fertility and Sterility</i> , 1998 , 70, 671-5	4.8	95
328	Dopamine agonist administration causes a reduction in endometrial implants through modulation of angiogenesis in experimentally induced endometriosis. <i>Human Reproduction</i> , 2009 , 24, 1025-35	5.7	94
327	Adenomyosis does not affect implantation, but is associated with miscarriage in patients undergoing oocyte donation. <i>Fertility and Sterility</i> , 2011 , 96, 943-50	4.8	93
326	Regulation of embryonic implantation. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2003 , 110 Suppl 1, S2-9	2.4	93
325	Impact of luteinizing hormone administration on gonadotropin-releasing hormone antagonist cycles: an age-adjusted analysis. <i>Fertility and Sterility</i> , 2011 , 95, 1031-6	4.8	91
324	Pregnancy and birth rates after oocyte donation. <i>Fertility and Sterility</i> , 1997 , 67, 717-23	4.8	91
323	Implantation is apparently unaffected by the dopamine agonist Cabergoline when administered to prevent ovarian hyperstimulation syndrome in women undergoing assisted reproduction treatment: a pilot study. <i>Human Reproduction</i> , 2007 , 22, 3210-4	5.7	91
322	Impact of chromosomal abnormalities on preimplantation embryo development. <i>Prenatal Diagnosis</i> , 2007 , 27, 748-56	3.2	86
321	Effect of aging on the female reproductive system: evidence for a role of uterine senescence in the decline in female fecundity. <i>Fertility and Sterility</i> , 1995 , 64, 584-9	4.8	86
320	Extracellular Vesicles in Human Reproduction in Health and Disease. <i>Endocrine Reviews</i> , 2018 , 39, 292-332	7.2	85
319	Single-cell transcriptomic atlas of the human endometrium during the menstrual cycle. <i>Nature Medicine</i> , 2020 , 26, 1644-1653	50.5	85
318	Ovarian stimulation and endometrial receptivity. <i>Human Reproduction</i> , 1999 , 14 Suppl 2, 107-11	5.7	84
317	Identification and characterization of the human leiomyoma side population as putative tumor-initiating cells. <i>Fertility and Sterility</i> , 2012 , 98, 741-751.e6	4.8	83
316	Comparative protein-profile analysis of implanted versus non-implanted human blastocysts. <i>Human Reproduction</i> , 2008 , 23, 1993-2000	5.7	83
315	Physiology and pathology of ovarian hyperstimulation syndrome. <i>Seminars in Reproductive Medicine</i> , 2010 , 28, 448-57	1.4	82
314	The role of in vitro fertilization and intracytoplasmic sperm injection in couples with unexplained infertility after failed intrauterine insemination. <i>Fertility and Sterility</i> , 1997 , 68, 171-3	4.8	82
313	Global gene expression profiling of human endometrial receptivity. <i>Journal of Reproductive Immunology</i> , 2004 , 63, 41-9	4.2	81

312	The leptin system during human endometrial receptivity and preimplantation development. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2442-51	5.6	78
311	Implantation failure of endometrial origin: it is not pathology, but our failure to synchronize the developing embryo with a receptive endometrium. <i>Fertility and Sterility</i> , 2017 , 108, 15-18	4.8	76
310	Bone marrow-derived cells from male donors do not contribute to the endometrial side population of the recipient. <i>PLoS ONE</i> , 2012 , 7, e30260	3.7	76
309	ART and uterine pathology: how relevant is the maternal side for implantation?. <i>Human Reproduction Update</i> , 2015 , 21, 13-38	15.8	75
308	Cytokines-adhesion molecules-invasive proteinases. The missing paracrine/autocrine link in embryonic implantation?. <i>Molecular Human Reproduction</i> , 1996 , 2, 405-24	4.4	75
307	Oocyte quality in polycystic ovaries revisited: identification of a particular subgroup of women. <i>Journal of Assisted Reproduction and Genetics</i> , 1997 , 14, 254-61	3.4	75
306	Soluble ligands and their receptors in human embryo development and implantation. <i>Endocrine Reviews</i> , 2015 , 36, 92-130	27.2	74
305	miRNA signature and Dicer requirement during human endometrial stromal decidualization in vitro. <i>PLoS ONE</i> , 2012 , 7, e41080	3.7	74
304	Cumulative live-birth rates per total number of embryos needed to reach newborn in consecutive in vitro fertilization (IVF) cycles: a new approach to measuring the likelihood of IVF success. <i>Fertility and Sterility</i> , 2011 , 96, 40-6	4.8	73
303	Prediction model for aneuploidy in early human embryo development revealed by single-cell analysis. <i>Nature Communications</i> , 2015 , 6, 7601	17.4	72
302	Use of array comparative genomic hybridization (array-CGH) for embryo assessment: clinical results. <i>Fertility and Sterility</i> , 2013 , 99, 1044-8	4.8	72
301	Obesity and assisted reproductive technology outcomes. <i>Reproductive BioMedicine Online</i> , 2006 , 12, 562-8	4	70
300	Distribution patterns of segmental aneuploidies in human blastocysts identified by next-generation sequencing. <i>Fertility and Sterility</i> , 2016 , 105, 1047-1055.e2	4.8	69
299	Report of the results of a 2 year programme of sperm wash and ICSI treatment for human immunodeficiency virus and hepatitis C virus serodiscordant couples. <i>Human Reproduction</i> , 2004 , 19, 2581-6	5.7	68
298	Immortalized human skin fibroblast feeder cells support growth and maintenance of both human embryonic and induced pluripotent stem cells. <i>Human Reproduction</i> , 2009 , 24, 2567-81	5.7	67
297	Clinical experience and perinatal outcome of blastocyst transfer after coculture of human embryos with human endometrial epithelial cells: a 5-year follow-up study. <i>Fertility and Sterility</i> , 2003 , 80, 1162-8	4.8	67
296	Relationship among standard semen parameters, glutathione peroxidase/glutathione reductase activity, and mRNA expression and reduced glutathione content in ejaculated spermatozoa from fertile and infertile men. <i>Fertility and Sterility</i> , 2004 , 82 Suppl 3, 1059-66	4.8	67
295	Interleukin-1 type I receptor messenger ribonucleic acid expression in human endometrium throughout the menstrual cycle. <i>Fertility and Sterility</i> , 1993 , 59, 791-6	4.8	67

294	Mutations in STN1 cause Coats plus syndrome and are associated with genomic and telomere defects. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1429-40	16.6	65
293	Understanding and improving endometrial receptivity. <i>Current Opinion in Obstetrics and Gynecology</i> , 2015 , 27, 187-92	2.4	65
292	Endometrial receptivity and implantation are not affected by the presence of uterine intramural leiomyomas: a clinical and functional genomics analysis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 3490-8	5.6	65
291	Relevance of assessing the uterine microbiota in infertility. <i>Fertility and Sterility</i> , 2018 , 110, 337-343	4.8	64
290	Semen characteristics in human immunodeficiency virus (HIV)- and hepatitis C (HCV)-seropositive males: predictors of the success of viral removal after sperm washing. <i>Human Reproduction</i> , 2005 , 20, 1028-34	5.7	64
289	First derivation in Spain of human embryonic stem cell lines: use of long-term cryopreserved embryos and animal-free conditions. <i>Fertility and Sterility</i> , 2005 , 83, 246-9	4.8	64
288	Implications of sperm chromosome abnormalities in recurrent miscarriage. <i>Journal of Assisted Reproduction and Genetics</i> , 1999 , 16, 253-8	3.4	64
287	Interleukin-1 receptor antagonist suppresses human chorionic gonadotropin-induced ovulation in the rat. <i>Biology of Reproduction</i> , 1994 , 51, 662-7	3.9	63
286	Lipidomics as an emerging tool to predict endometrial receptivity. <i>Fertility and Sterility</i> , 2013 , 99, 1100-64.8	6.2	62
285	Functional genomics of 5- to 8-cell stage human embryos by blastomere single-cell cDNA analysis. <i>PLoS ONE</i> , 2010 , 5, e13615	3.7	62
284	Fertility rescue and ovarian follicle growth promotion by bone marrow stem cell infusion. <i>Fertility and Sterility</i> , 2018 , 109, 908-918.e2	4.8	61
283	Embryologic outcome and secretome profile of implanted blastocysts obtained after coculture in human endometrial epithelial cells versus the sequential system. <i>Fertility and Sterility</i> , 2010 , 93, 774-782.e1	4.8	61
282	Human Oocyte-Derived Methylation Differences Persist in the Placenta Revealing Widespread Transient Imprinting. <i>PLoS Genetics</i> , 2016 , 12, e1006427	6	61
281	Human endometrial receptivity: gene regulation. <i>Journal of Reproductive Immunology</i> , 2002 , 55, 131-9	4.2	60
280	The impact of next-generation sequencing technology on preimplantation genetic diagnosis and screening. <i>Fertility and Sterility</i> , 2013 , 99, 1054-61.e3	4.8	59
279	Transabdominal ultrasound-guided embryo transfer does not increase pregnancy rates in oocyte recipients. <i>Fertility and Sterility</i> , 2002 , 78, 534-9	4.8	59
278	Scratching beneath the Scratching Cases systematic reviews and meta-analyses, the back door for evidence-based medicine. <i>Human Reproduction</i> , 2014 , 29, 1618-21	5.7	58
277	Somatic stem cells and tissue engineering shed light on unsolved clinical issues in reproductive medicine: in stem cells we trust. <i>Fertility and Sterility</i> , 2012 , 98, 1-2	4.8	58

276	The effects of ergot and non-ergot-derived dopamine agonists in an experimental mouse model of endometriosis. <i>Reproduction</i> , 2011 , 142, 745-55	3.8	58
275	Efficiency and purity provided by the existing methods for the isolation of luteinized granulosa cells: a comparative study. <i>Human Reproduction</i> , 2012 , 27, 1781-9	5.7	58
274	CB1 expression is attenuated in Fallopian tube and decidua of women with ectopic pregnancy. <i>PLoS ONE</i> , 2008 , 3, e3969	3.7	58
273	The effect of pronuclear morphology on early development and chromosomal abnormalities in cleavage-stage embryos. <i>Human Reproduction</i> , 2003 , 18, 2413-9	5.7	58
272	Comparison of polymerase chain reaction-dependent methods for determining the presence of human immunodeficiency virus and hepatitis C virus in washed sperm. <i>Fertility and Sterility</i> , 2002 , 78, 1199-202	4.8	58
271	The follicular endocrine environment in stimulated cycles of women with endometriosis: steroid levels and embryo quality. <i>Fertility and Sterility</i> , 1998 , 69, 1135-41	4.8	58
270	The role of the leptin in reproduction. <i>Current Opinion in Obstetrics and Gynecology</i> , 2006 , 18, 297-303	2.4	57
269	Determinants of endometrial receptivity. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1034, 166-76.5		57
268	Hormonal regulation of serum and endometrial IL-1 alpha, IL-1 beta and IL-1ra: IL-1 endometrial microenvironment of the human embryo at the apposition phase under physiological and supraphysiological steroid level conditions. <i>Journal of Reproductive Immunology</i> , 1996 , 31, 165-84	4.2	57
267	The non-ergot derived dopamine agonist quinagolide in prevention of early ovarian hyperstimulation syndrome in IVF patients: a randomized, double-blind, placebo-controlled trial. <i>Human Reproduction</i> , 2010 , 25, 995-1004	5.7	56
266	Potential implications of chemokines in reproductive function: an attractive idea. <i>Journal of Reproductive Immunology</i> , 1998 , 38, 169-93	4.2	55
265	FISH screening of aneuploidies in preimplantation embryos to improve IVF outcome. <i>Reproductive BioMedicine Online</i> , 2005 , 11, 497-506	4	55
264	Intravenous albumin does not prevent moderate-severe ovarian hyperstimulation syndrome in high-risk IVF patients: a randomized controlled study. <i>Human Reproduction</i> , 2003 , 18, 2283-8	5.7	55
263	The role of estrogen in uterine receptivity and blastocyst implantation. <i>Trends in Endocrinology and Metabolism</i> , 2003 , 14, 197-9	8.8	55
262	Uterine stem cells: from basic research to advanced cell therapies. <i>Human Reproduction Update</i> , 2018 , 24, 673-693	15.8	53
261	Increased incidence of disomic sperm nuclei in a 47,XY male assessed by fluorescent in situ hybridization (FISH). <i>Human Genetics</i> , 1997 , 99, 413-6	6.3	52
260	Factors that determine discordant outcome from shared oocytes. <i>Fertility and Sterility</i> , 2003 , 80, 54-60	4.8	52
259	Effects of aging on the human ovary: the secretion of immunoreactive alpha-inhibin and progesterone. <i>Fertility and Sterility</i> , 1994 , 61, 663-8	4.8	52

258	Identification and quantification of dopamine receptor 2 in human eutopic and ectopic endometrium: a novel molecular target for endometriosis therapy. <i>Biology of Reproduction</i> , 2010 , 83, 866-73	3.9	51
257	Plasma levels of soluble vascular endothelial growth factor receptor-1 may determine the onset of early and late ovarian hyperstimulation syndrome. <i>Human Reproduction</i> , 2006 , 21, 1453-60	5.7	51
256	Endometrial quality in infertile women with endometriosis. <i>Annals of the New York Academy of Sciences</i> , 2001 , 943, 122-30	6.5	51
255	Tissue-derived mesenchymal stromal cells used as vehicles for anti-tumor therapy exert different in vivo effects on migration capacity and tumor growth. <i>BMC Medicine</i> , 2013 , 11, 139	11.4	50
254	Disruption of apical-basal polarity of human embryonic stem cells enhances hematoendothelial differentiation. <i>Stem Cells</i> , 2007 , 25, 2215-23	5.8	50
253	Embryo aneuploidy screening for unexplained recurrent miscarriage: a minireview. <i>American Journal of Reproductive Immunology</i> , 2005 , 53, 159-65	3.8	50
252	Comprehensive carrier genetic test using next-generation deoxyribonucleic acid sequencing in infertile couples wishing to conceive through assisted reproductive technology. <i>Fertility and Sterility</i> , 2015 , 104, 1286-93	4.8	49
251	Human stem cells from single blastomeres reveal pathways of embryonic or trophoblast fate specification. <i>Development (Cambridge)</i> , 2015 , 142, 4010-25	6.6	49
250	A 5-year multicentre randomized controlled trial comparing personalized, frozen and fresh blastocyst transfer in IVF. <i>Reproductive BioMedicine Online</i> , 2020 , 41, 402-415	4	49
249	Clinical factors affecting endometrial receptiveness in oocyte donation cycles. <i>Fertility and Sterility</i> , 2008 , 89, 491-501	4.8	49
248	Is ovarian stimulation detrimental to the endometrium?. <i>Reproductive BioMedicine Online</i> , 2007 , 15, 45-50		49
247	The interleukin-1 system and human implantation. <i>American Journal of Reproductive Immunology</i> , 1997 , 37, 64-72	3.8	48
246	Effects of hyperprolactinemia treatment with the dopamine agonist quinagolide on endometriotic lesions in patients with endometriosis-associated hyperprolactinemia. <i>Fertility and Sterility</i> , 2011 , 95, 882-8.e1	4.8	47
245	Uterine receptivity and the ramifications of ovarian stimulation on endometrial function. <i>Seminars in Reproductive Medicine</i> , 2007 , 25, 454-60	1.4	47
244	Inhibition of histone deacetylase activity in human endometrial stromal cells promotes extracellular matrix remodelling and limits embryo invasion. <i>PLoS ONE</i> , 2012 , 7, e30508	3.7	46
243	Effect of sperm glutathione peroxidases 1 and 4 on embryo asymmetry and blastocyst quality in oocyte donation cycles. <i>Fertility and Sterility</i> , 2006 , 86, 1376-85	4.8	46
242	Is endometrial receptivity transcriptomics affected in women with endometriosis? A pilot study. <i>Reproductive BioMedicine Online</i> , 2015 , 31, 647-54	4	45
241	Annexin A2 is critical for embryo adhesiveness to the human endometrium by RhoA activation through F-actin regulation. <i>FASEB Journal</i> , 2012 , 26, 3715-27	0.9	45

240	Modeling human endometrial decidualization from the interaction between proteome and secretome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 706-16	5.6	45
239	A combined approach for gene discovery identifies insulin-like growth factor-binding protein-related protein 1 as a new gene implicated in human endometrial receptivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 1849-57	5.6	45
238	De- and recellularization of the pig uterus: a bioengineering pilot study. <i>Biology of Reproduction</i> , 2017 , 96, 34-45	3.9	44
237	Lack of population diversity in commonly used human embryonic stem-cell lines. <i>New England Journal of Medicine</i> , 2010 , 362, 183-5	59.2	44
236	Gene regulation of interleukin-1 beta, interleukin-1 receptor type I, and plasminogen activator inhibitor-1 and -2 in human granulosa-luteal cells. <i>Fertility and Sterility</i> , 1994 , 62, 760-70	4.8	44
235	Overcoming challenges of ovarian cancer stem cells: novel therapeutic approaches. <i>Stem Cell Reviews and Reports</i> , 2012 , 8, 994-1010	6.4	43
234	Follicular fluid and mural granulosa cells microRNA profiles vary in in vitro fertilization patients depending on their age and oocyte maturation stage. <i>Fertility and Sterility</i> , 2015 , 104, 1037-1046.e1	4.8	42
233	Relationship between standard semen parameters, calcium, cholesterol contents, and mitochondrial activity in ejaculated spermatozoa from fertile and infertile males. <i>Journal of Assisted Reproduction and Genetics</i> , 2004 , 21, 445-51	3.4	42
232	Human spermatogonial stem cells display limited proliferation in vitro under mouse spermatogonial stem cell culture conditions. <i>Fertility and Sterility</i> , 2016 , 106, 1539-1549.e8	4.8	42
231	Deciphering the effect of reproductive tract microbiota on human reproduction. <i>Reproductive Medicine and Biology</i> , 2019 , 18, 40-50	4.1	42
230	New tools for embryo selection: comprehensive chromosome screening by array comparative genomic hybridization. <i>BioMed Research International</i> , 2014 , 2014, 517125	3	41
229	Role of cholesterol, calcium, and mitochondrial activity in the susceptibility for cryodamage after a cycle of freezing and thawing. <i>Fertility and Sterility</i> , 2004 , 81, 588-94	4.8	40
228	Clinical application of embryo aneuploidy testing by next-generation sequencing. <i>Biology of Reproduction</i> , 2019 , 101, 1083-1090	3.9	39
227	Transcriptomics of the human endometrium. <i>International Journal of Developmental Biology</i> , 2014 , 58, 127-37	1.9	39
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