Carlos M Simon

List of Publications by Year
in descending order

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Version: 2024-02-01

369 papers	23,301 citations	5268 83 h-index	14208 128 g-index
377 all docs	377 docs citations	377 times ranked	15046 citing authors

#	Article	IF	Citations
1	Evidence that the endometrial microbiota has an effect on implantation success or failure. American Journal of Obstetrics and Gynecology, 2016, 215, 684-703.	1.3	535
2	A genomic diagnostic tool for human endometrial receptivity based on the transcriptomic signature. Fertility and Sterility, 2011, 95, 50-60.e15.	1.0	502
3	The endometrial receptivity array for diagnosis and personalized embryo transfer as a treatment for patients with repeated implantation failure. Fertility and Sterility, 2013, 100, 818-824.	1.0	398
4	Gene expression profiling of human endometrial receptivity on days LH+2 versus LH+7 by microarray technology. Molecular Human Reproduction, 2003, 9, 253-264.	2.8	375
5	Genome-wide parent-of-origin DNA methylation analysis reveals the intricacies of human imprinting and suggests a germline methylation-independent mechanism of establishment. Genome Research, 2014, 24, 554-569.	5.5	311
6	Premature luteinization during gonadotropin-releasing hormone antagonist cycles and its relationship with in vitro fertilization outcome. Fertility and Sterility, 2003, 80, 1444-1449.	1.0	299
7	InÂvitro fertilization with preimplantation genetic diagnosis for aneuploidies in advanced maternal age: a randomized, controlled study. Fertility and Sterility, 2017, 107, 1122-1129.	1.0	291
8	Human pre-implantation embryo development. Development (Cambridge), 2012, 139, 829-841.	2.5	289
9	Single-cell transcriptomic atlas of the human endometrium during the menstrual cycle. Nature Medicine, 2020, 26, 1644-1653.	30.7	287
10	Increasing levels of estradiol are deleterious to embryonic implantation because they directly affect the embryo. Fertility and Sterility, 2001, 76, 962-968.	1.0	270
11	Effect of controlled ovarian hyperstimulation in IVF on endometrial gene expression profiles. Molecular Human Reproduction, 2004, 11, 195-205.	2.8	255
12	The accuracy and reproducibility of the endometrial receptivity array is superior to histology as a diagnostic method for endometrial receptivity. Fertility and Sterility, 2013, 99, 508-517.	1.0	244
13	Obesity and the risk of spontaneous abortion after oocyte donation. Fertility and Sterility, 2003, 79, 1136-1140.	1.0	238
14	Autologous cell therapy with CD133+ bone marrow-derived stem cells for refractory Asherman's syndrome and endometrial atrophy: a pilot cohort study. Human Reproduction, 2016, 31, 1087-1096.	0.9	237
15	Human germ cell differentiation from fetal- and adult-derived induced pluripotent stem cells. Human Molecular Genetics, 2011, 20, 752-762.	2.9	230
16	Defective decidualization during and after severe preeclampsia reveals a possible maternal contribution to the etiology. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8468-E8477.	7.1	230
17	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. Fertility and Sterility, 1998, 70, 234-239.	1.0	227
18	Forty years of IVF. Fertility and Sterility, 2018, 110, 185-324.e5.	1.0	211

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19	Hsa-miR-30d, secreted by the human endometrium, is taken up by the pre-implantation embryo and might modify its transcriptome. Development (Cambridge), 2015, 142, 3210-3221.	2.5	205
20	Impact of stage iiiâ€“iv endometriosis on recipients of sibling oocytes: matched case-control study. Fertility and Sterility, 2000, 74, 31-34.	1.0	204
21	Mitochondrial DNA content as a viability score in human euploid embryos: less is better. Fertility and Sterility, 2015, 104, 534-541.e1.	1.0	198
22	Twins born after transplantation of ovarian cortical tissue and oocyte vitrification. Fertility and Sterility, 2010, 93, 268.e11-268.e13.	1.0	196
23	The pathogenesis of ovarian hyperstimulation syndrome: in vivo studies investigating the role of interleukin-1Î², interleukin-6, and vascular endothelial growth factor. Fertility and Sterility, 1999, 71, 482-489.	1.0	193
24	Interactions of the hormones leptin, ghrelin, adiponectin, resistin, and PYY3-36 with the reproductive system. Fertility and Sterility, 2006, 85, 1563-1581.	1.0	189
25	Dopamine Agonist Cabergoline Reduces Hemoconcentration and Ascites in Hyperstimulated Women Undergoing Assisted Reproduction. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 2931-2937.	3.6	189
26	The diagnosis of chronic endometritis in infertile asymptomatic women: a comparative study of histology, microbial cultures, hysteroscopy, and molecular microbiology. American Journal of Obstetrics and Gynecology, 2018, 218, 602.e1-602.e16.	1.3	188
27	Targeting the vascular endothelial growth factor system to prevent ovarian hyperstimulation syndrome. Human Reproduction Update, 2008, 14, 321-333.	10.8	187
28	Meta-signature of human endometrial receptivity: a meta-analysis and validation study of transcriptomic biomarkers. Scientific Reports, 2017, 7, 10077.	3.3	182
29	Paracrine regulators of implantation. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2000, 14, 815-826.	2.8	177
30	Controlled Ovarian Stimulation Induces a Functional Genomic Delay of the Endometrium with Potential Clinical Implications. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4500-4510.	3.6	177
31	The follicular and endocrine environment in women with endometriosis: local and systemic cytokine production. Fertility and Sterility, 1998, 70, 425-431.	1.0	173
32	Age and Uterine Receptiveness: Predicting the Outcome of Oocyte Donation Cycles. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 4399-4404.	3.6	164
33	Lower implantation rates in high responders: evidence for an altered endocrine milieu during the preimplantation period. Fertility and Sterility, 1996, 65, 1190-1195.	1.0	163
34	Vascular Endothelial Growth Factor Receptor-2 Activation Induces Vascular Permeability in Hyperstimulated Rats, and this Effect Is Prevented by Receptor Blockade. Endocrinology, 2002, 143, 4339-4348.	2.8	161
35	Human Endometrial Side Population Cells Exhibit Genotypic, Phenotypic and Functional Features of Somatic Stem Cells. PLoS ONE, 2010, 5, e10964.	2.5	161
36	Follicular hormonal environment and embryo quality in women with endometriosis. Human Reproduction Update, 2000, 6, 67-74.	10.8	157

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37	Cytokines and embryo implantation. Journal of Reproductive Immunology, 1998, 39, 117-131.	1.9	154
38	Reconstruction of Endometrium from Human Endometrial Side Population Cell Lines. PLoS ONE, 2011, 6, e21221.	2.5	154
39	Endometrial Decidualization: The Primary Driver of Pregnancy Health. International Journal of Molecular Sciences, 2020, 21, 4092.	4.1	151
40	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. Endocrinology, 2006, 147, 5400-5411.	2.8	150
41	Menstruation: science and society. American Journal of Obstetrics and Gynecology, 2020, 223, 624-664.	1.3	149
42	Role of Endometrial Factors in Regulating Secretion of Components of the Immunoreactive Human Embryonic Interleukin-1 System during Embryonic Development1. Biology of Reproduction, 1996, 54, 563-574.	2.7	146
43	Divergent RNAâ€binding Proteins, DAZL and VASA, Induce Meiotic Progression in Human Germ Cells Derived in Vitro. Stem Cells, 2012, 30, 441-451.	3.2	146
44	Extracellular Vesicles in Human Reproduction in Health and Disease. Endocrine Reviews, 2018, 39, 292-332.	20.1	146
45	Bacterial vaginosis and its association with infertility, endometritis, and pelvic inflammatory disease. American Journal of Obstetrics and Gynecology, 2021, 224, 251-257.	1.3	146
46	Profiling the gene signature of endometrial receptivity: clinical results. Fertility and Sterility, 2013, 99, 1078-1085.	1.0	141
47	Preimplantation genetic screening using fluorescence in situ hybridization in patients with repetitive implantation failure andÂadvanced maternal age: twoÂrandomized trials. Fertility and Sterility, 2013, 99, 1400-1407.	1.0	138
48	In vitro fertilization plus preimplantation genetic diagnosis in patients with recurrent miscarriage: an analysis of chromosome abnormalities in human preimplantation embryos. Fertility and Sterility, 1999, 71, 1033-1039.	1.0	129
49	Adenomyosis does not affect implantation, but is associated with miscarriage in patients undergoing oocyte donation. Fertility and Sterility, 2011, 96, 943-950.e1.	1.0	125
50	Effect of age on sperm fertility potential: oocyte donation as a model. Fertility and Sterility, 1996, 66, 260-264.	1.0	123
51	MicroRNA: key gene expression regulators. Fertility and Sterility, 2014, 101, 1516-1523.	1.0	123
52	Guidelines for the design, analysis and interpretation of â€˜omicsâ€™ data: focus on human endometrium. Human Reproduction Update, 2014, 20, 12-28.	10.8	123
53	Human CD133+ bone marrow-derived stem cells promote endometrial proliferation in a murine model of Asherman syndrome. Fertility and Sterility, 2015, 104, 1552-1560.e3.	1.0	120
54	Aging and the environment affect gamete and embryo potential: can we intervene?. Fertility and Sterility, 2016, 105, 548-559.	1.0	120

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55	Hormonal and embryonic regulation of chemokine receptors CXCR1, CXCR4, CCR5 and CCR2B in the human endometrium and the human blastocyst. Molecular Human Reproduction, 2003, 9, 189-198.	2.8	118
56	The genomics of the human endometrium. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1931-1942.	3.8	117
57	Interleukin-1 receptor antagonist prevents embryonic implantation by a direct effect on the endometrial epithelium. Fertility and Sterility, 1998, 70, 896-906.	1.0	116
58	Impact of luteinizing hormone administration on gonadotropin-releasing hormone antagonist cycles: an age-adjusted analysis. Fertility and Sterility, 2011, 95, 1031-1036.	1.0	116
59	The why, the how and the when of PGS 2.0: current practices and expert opinions of fertility specialists, molecular biologists, and embryologists. Molecular Human Reproduction, 2016, 22, 845-857.	2.8	116
60	Relevance of assessing the uterine microbiota in infertility. Fertility and Sterility, 2018, 110, 337-343.	1.0	110
61	Impact of chromosomal abnormalities on preimplantation embryo development. Prenatal Diagnosis, 2007, 27, 748-756.	2.3	109
62	Prediction model for aneuploidy in early human embryo development revealed by single-cell analysis. Nature Communications, 2015, 6, 7601.	12.8	109
63	Evaluation of the ovarian reserve in young low responders with normal basal levels of follicle-stimulating hormone using three-dimensional ultrasonography. Fertility and Sterility, 1998, 70, 671-675.	1.0	108
64	A 5-year multicentre randomized controlled trial comparing personalized, frozen and fresh blastocyst transfer in IVF. Reproductive BioMedicine Online, 2020, 41, 402-415.	2.4	108
65	Dopamine agonist administration causes a reduction in endometrial implants through modulation of angiogenesis in experimentally induced endometriosis. Human Reproduction, 2009, 24, 1025-1035.	0.9	107
66	Pregnancy and birth rates after oocyte donation. Fertility and Sterility, 1997, 67, 717-723.	1.0	106
67	Implantation failure of endometrial origin: it is not pathology, but our failure to synchronize the developing embryo with a receptive endometrium. Fertility and Sterility, 2017, 108, 15-18.	1.0	106
68	Regulation of embryonic implantation. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2003, 110, S2-S9.	1.1	105
69	The role of in vitro fertilization and intracytoplasmic sperm injection in couples with unexplained infertility after failed intrauterine insemination. Fertility and Sterility, 1997, 68, 171-173.	1.0	103
70	Understanding and improving endometrial receptivity. Current Opinion in Obstetrics and Gynecology, 2015, 27, 187-192.	2.0	103
71	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. Human Reproduction, 2007, 22, 3210-3214.	0.9	102
72	Physiology and Pathology of Ovarian Hyperstimulation Syndrome. Seminars in Reproductive Medicine, 2010, 28, 448-457.	1.1	101

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73	Identification and characterization of the human leiomyoma side population as putative tumor-initiating cells. Fertility and Sterility, 2012, 98, 741-751.e6.	1.0	101
74	ART and uterine pathology: how relevant is the maternal side for implantation?. Human Reproduction Update, 2015, 21, 13-38.	10.8	101
75	Comparative protein-profile analysis of implanted versus non-implanted human blastocysts. Human Reproduction, 2008, 23, 1993-2000.	0.9	96
76	Soluble Ligands and Their Receptors in Human Embryo Development and Implantation. Endocrine Reviews, 2015, 36, 92-130.	20.1	94
77	Human Oocyte-Derived Methylation Differences Persist in the Placenta Revealing Widespread Transient Imprinting. PLoS Genetics, 2016, 12, e1006427.	3.5	94
78	Cumulative live-birth rates per total number of embryos needed to reach newborn in consecutive inÂvitro fertilization (IVF) cycles: a new approach to measuring the likelihood of IVF success. Fertility and Sterility, 2011, 96, 40-46.	1.0	92
79	Oocyte quality in polycystic ovaries revisited: Identification of a particular subgroup of women. Journal of Assisted Reproduction and Genetics, 1997, 14, 254-261.	2.5	91
80	Deciphering the effect of reproductive tract microbiota on human reproduction. Reproductive Medicine and Biology, 2019, 18, 40-50.	2.4	91
81	Distribution patterns of segmental aneuploidies in human blastocysts identified by next-generation sequencing. Fertility and Sterility, 2016, 105, 1047-1055.e2.	1.0	89
82	Fertility rescue and ovarian follicle growth promotion by bone marrow stem cell infusion. Fertility and Sterility, 2018, 109, 908-918.e2.	1.0	88
83	miRNA Signature and Dicer Requirement during Human Endometrial Stromal Decidualization In Vitro. PLoS ONE, 2012, 7, e41080.	2.5	87
84	Use of array comparative genomic hybridization (array-CGH) for embryo assessment: clinical results. Fertility and Sterility, 2013, 99, 1044-1048.	1.0	86
85	The Leptin System during Human Endometrial Receptivity and Preimplantation Development. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 2442-2451.	3.6	85
86	Global gene expression profiling of human endometrial receptivity. Journal of Reproductive Immunology, 2004, 63, 41-49.	1.9	85
87	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. Fertility and Sterility, 2004, 82, 1059-1066.	1.0	85
88	Bone Marrow-Derived Cells from Male Donors Do Not Contribute to the Endometrial Side Population of the Recipient. PLoS ONE, 2012, 7, e30260.	2.5	85
89	Implications of sperm chromosome abnormalities in recurrent miscarriage. Journal of Assisted Reproduction and Genetics, 1999, 16, 253-258.	2.5	83
90	Uterine stem cells: from basic research to advanced cell therapies. Human Reproduction Update, 2018, 24, 673-693.	10.8	83

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91	Molecular aspects of implantation. Molecular Human Reproduction, 1996, 2, 405-424.	2.8	81
92	Circulating miR-200â€“family micro-RNAs have altered plasma levels in patients with endometriosis and vary with blood collection time. Fertility and Sterility, 2015, 104, 938-946.e2.	1.0	81
93	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. Human Reproduction, 2004, 19, 2581-2586.	0.9	80
94	Immortalized human skin fibroblast feeder cells support growth and maintenance of both human embryonic and induced pluripotent stem cells. Human Reproduction, 2009, 24, 2567-2581.	0.9	79
95	Embryologic outcome and secretome profile of implanted blastocysts obtained after coculture in human endometrial epithelial cells versus the sequential system. Fertility and Sterility, 2010, 93, 774-782.e1.	1.0	77
96	Lipidomics as an emerging tool to predict endometrial receptivity. Fertility and Sterility, 2013, 99, 1100-1106.	1.0	77
97	Endometrial Receptivity and Implantation Are Not Affected by the Presence of Uterine Intramural Leiomyomas: A Clinical and Functional Genomics Analysis. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 3490-3498.	3.6	76
98	Multicenter prospective study of concordance between embryonic cell-free DNA and trophectoderm biopsies from 1301 human blastocysts. American Journal of Obstetrics and Gynecology, 2020, 223, 751.e1-751.e13.	1.3	75
99	Transabdominal ultrasound-guided embryo transfer does not increase pregnancy rates in oocyte recipients. Fertility and Sterility, 2002, 78, 534-539.	1.0	74
100	Embryonic cell-free DNA versus trophectoderm biopsy for aneuploidy testing: concordance rate and clinical implications. Fertility and Sterility, 2019, 112, 510-519.	1.0	73
101	Semen characteristics in human immunodeficiency virus (HIV)- and hepatitis C (HCV)-seropositive males: predictors of the success of viral removal after sperm washing. Human Reproduction, 2005, 20, 1028-1034.	0.9	72
102	Clinical experience and perinatal outcome of blastocyst transfer after coculture of human embryos with human endometrial epithelial cells: a 5-year follow-up study. Fertility and Sterility, 2003, 80, 1162-1168.	1.0	71
103	Reprogramming with defined factors: from induced pluripotency to induced transdifferentiation. Molecular Human Reproduction, 2010, 16, 856-868.	2.8	71
104	Somatic stem cells and tissue engineering shed light on unsolved clinical issues in reproductive medicine: in stem cells we trust. Fertility and Sterility, 2012, 98, 1-2.	1.0	71
105	The impact of next-generation sequencing technology on preimplantation genetic diagnosis and screening. Fertility and Sterility, 2013, 99, 1054-1061.e3.	1.0	71
106	First derivation in Spain of human embryonic stem cell lines: Use of long-term cryopreserved embryos and animal-free conditions. Fertility and Sterility, 2005, 83, 246-249.	1.0	70
107	Increased incidence of disomic sperm nuclei in a 47,XYY male assessed by fluorescent in situ hybridization (FISH). Human Genetics, 1997, 99, 413.	3.8	69
108	The Follicular Endocrine Environment in Stimulated Cycles of Women with Endometriosis: Steroid Levels and Embryo Quality. Fertility and Sterility, 1998, 69, 1135-1141.	1.0	69

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109	Embryo Aneuploidy Screening for Unexplained Recurrent Miscarriage: A Minireview. American Journal of Reproductive Immunology, 2005, 53, 159-165.	1.2	69
110	The effects of ergot and non-ergot-derived dopamine agonists in an experimental mouse model of endometriosis. Reproduction, 2011, 142, 745-755.	2.6	69
111	Efficiency and purity provided by the existing methods for the isolation of luteinized granulosa cells: a comparative study. Human Reproduction, 2012, 27, 1781-1789.	0.9	69
112	De- and recellularization of the pig uterus: a bioengineering pilot study. Biology of Reproduction, 2017, 96, 34-45.	2.7	68
113	The effect of pronuclear morphology on early development and chromosomal abnormalities in cleavage-stage embryos. Human Reproduction, 2003, 18, 2413-2419.	0.9	67
114	Functional Genomics of 5- to 8-Cell Stage Human Embryos by Blastomere Single-Cell cDNA Analysis. PLoS ONE, 2010, 5, e13615.	2.5	67
115	The role of estrogen in uterine receptivity and blastocyst implantation. Trends in Endocrinology and Metabolism, 2003, 14, 197-199.	7.1	66
116	CB1 Expression Is Attenuated in Fallopian Tube and Decidua of Women with Ectopic Pregnancy. PLoS ONE, 2008, 3, e3969.	2.5	66
117	Annexin A2 is critical for embryo adhesiveness to the human endometrium by RhoA activation through Fâ€actin regulation. FASEB Journal, 2012, 26, 3715-3727.	0.5	66
118	The role of the leptin in reproduction. Current Opinion in Obstetrics and Gynecology, 2006, 18, 297-303.	2.0	65
119	The non-ergot derived dopamine agonist quinagolide in prevention of early ovarian hyperstimulation syndrome in IVF patients: a randomized, double-blind, placebo-controlled trialÂ. Human Reproduction, 2010, 25, 995-1004.	0.9	65
120	Human endometrial receptivity: gene regulation. Journal of Reproductive Immunology, 2002, 55, 131-139.	1.9	64
121	Unified diagnostic criteria for chronic endometritis at fluid hysteroscopy: proposal and reliability evaluation through an international randomized-controlled observer study. Fertility and Sterility, 2019, 112, 162-173.e2.	1.0	64
122	Comparison of polymerase chain reactionâ€“dependent methods for determining the presence of human immunodeficiency virus and hepatitis C virus in washed sperm. Fertility and Sterility, 2002, 78, 1199-1202.	1.0	63
123	Scratching beneath 'The Scratching Case': systematic reviews and meta-analyses, the back door for evidence-based medicine. Human Reproduction, 2014, 29, 1618-1621.	0.9	63
124	Clinical application of embryo aneuploidy testing by next-generation sequencing. Biology of Reproduction, 2019, 101, 1083-1090.	2.7	63
125	Hormonal regulation of serum and endometrial IL-1Î±, IL-1Î² and IL-1ra: IL-1 endometrial microenvironment of the human embryo at the apposition phase under physiological and supraphysiological steroid level conditions. Journal of Reproductive Immunology, 1996, 31, 165-184.	1.9	62
126	Comprehensive carrier genetic test using next-generation deoxyribonucleic acid sequencing inÂinfertile couples wishing to conceive through assisted reproductive technology. Fertility and Sterility, 2015, 104, 1286-1293.	1.0	62

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127	Human stem cells from single blastomeres reveal pathways of Embryonic or trophoblast fate specification. Development (Cambridge), 2015, 142, 4010-25.	2.5	62
128	Factors that determine discordant outcome from shared oocytes. Fertility and Sterility, 2003, 80, 54-60.	1.0	61
129	Intravenous albumin does not prevent moderate-severe ovarian hyperstimulation syndrome in high-risk IVF patients: a randomized controlled study. Human Reproduction, 2003, 18, 2283-2288.	0.9	61
130	Effects of hyperprolactinemia treatment with the dopamine agonist quinagolide on endometriotic lesions in patients with endometriosis-associated hyperprolactinemia. Fertility and Sterility, 2011, 95, 882-888.e1.	1.0	61
131	Tissue-derived mesenchymal stromal cells used as vehicles for anti-tumor therapy exert different in vivoeffects on migration capacity and tumor growth. BMC Medicine, 2013, 11, 139.	5.5	61
132	Human spermatogonial stem cells display limited proliferation inÂvitro under mouse spermatogonial stem cell culture conditions. Fertility and Sterility, 2016, 106, 1539-1549.e8.	1.0	61
133	Determinants of Endometrial Receptivity. Annals of the New York Academy of Sciences, 2004, 1034, 166-175.	3.8	60
134	FISH screening of aneuploidies in preimplantation embryos to improve IVF outcome. Reproductive BioMedicine Online, 2005, 11, 497-506.	2.4	60
135	Outpatient thoracic surgical programme in 300 patients: clinical results and economic impactâ˜†. European Journal of Cardio-thoracic Surgery, 2006, 29, 271-275.	1.4	60
136	Incidence, Origin, and Predictive Model for the Detection and Clinical Management of Segmental Aneuploidies in Human Embryos. American Journal of Human Genetics, 2020, 106, 525-534.	6.2	60
137	Potential implications of chemokines in reproductive function: an attractive idea. Journal of Reproductive Immunology, 1998, 38, 169-193.	1.9	58
138	Plasma levels of soluble vascular endothelial growth factor receptor-1 may determine the onset of early and late ovarian hyperstimulation syndrome. Human Reproduction, 2006, 21, 1453-1460.	0.9	58
139	Is ovarian stimulation detrimental to the endometrium?. Reproductive BioMedicine Online, 2007, 15, 45-50.	2.4	58
140	Implantation failure of endometrial origin: what is new?. Current Opinion in Obstetrics and Gynecology, 2018, 30, 229-236.	2.0	58
141	Identification and Quantification of Dopamine Receptor 2 in Human Eutopic and Ectopic Endometrium: A Novel Molecular Target for Endometriosis Therapy1. Biology of Reproduction, 2010, 83, 866-873.	2.7	57
142	Comparison of two different starting multiple dose gonadotropin-releasing hormone antagonist protocols in a selected group of in vitro fertilizationâ€“embryo transfer patients. Fertility and Sterility, 2004, 81, 562-566.	1.0	55
143	Effect of sperm glutathione peroxidases 1 and 4 on embryo asymmetry and blastocyst quality in oocyte donation cycles. Fertility and Sterility, 2006, 86, 1376-1385.	1.0	55
144	Clinical factors affecting endometrial receptiveness in oocyte donation cycles. Fertility and Sterility, 2008, 89, 491-501.	1.0	55

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145	Follicular fluid and mural granulosa cells microRNA profiles vary inÂinÂvitro fertilization patients depending on their age and oocyte maturation stage. Fertility and Sterility, 2015, 104, 1037-1046.e1.	1.0	55
146	Is endometrial receptivity transcriptomics affected in women with endometriosis? A pilot study. Reproductive BioMedicine Online, 2015, 31, 647-654.	2.4	55
147	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. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 1849-1857.	3.6	54
148	Disruption of Apical-Basal Polarity of Human Embryonic Stem Cells Enhances Hematoendothelial Differentiation. Stem Cells, 2007, 25, 2215-2223.	3.2	54
149	Variable maternal methylation overlapping thenc886/vtRNA2-1locus is locked between hypermethylated repeats and is frequently altered in cancer. Epigenetics, 2014, 9, 783-790.	2.7	54
150	Modeling Human Endometrial Decidualization from the Interaction between Proteome and Secretome. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 706-716.	3.6	53
151	Inhibition of Histone Deacetylase Activity in Human Endometrial Stromal Cells Promotes Extracellular Matrix Remodelling and Limits Embryo Invasion. PLoS ONE, 2012, 7, e30508.	2.5	53
152	New Tools for Embryo Selection: Comprehensive Chromosome Screening by Array Comparative Genomic Hybridization. BioMed Research International, 2014, 2014, 1-9.	1.9	53
153	Endometrial receptivity revisited: endometrial transcriptome adjusted for tissue cellular heterogeneity. Human Reproduction, 2018, 33, 2074-2086.	0.9	53
154	Role of cholesterol, calcium, and mitochondrial activity in the susceptibility for cryodamage after a cycle of freezing and thawing. Fertility and Sterility, 2004, 81, 588-594.	1.0	52
155	Transcriptomics of the human endometrium. International Journal of Developmental Biology, 2014, 58, 127-137.	0.6	52
156	New strategy for diagnosing embryoÂimplantation potential byÂcombining proteomics and time-lapse technologies. Fertility and Sterility, 2015, 104, 908-914.	1.0	52
157	Uterine Receptivity and the Ramifications of Ovarian Stimulation on Endometrial Function. Seminars in Reproductive Medicine, 2007, 25, 454-460.	1.1	51
158	Evidences for the Existence of a Low Dopaminergic Tone in Polycystic Ovarian Syndrome: Implications for OHSS Development and Treatment. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 2484-2492.	3.6	51
159	Overcoming Challenges of Ovarian Cancer Stem Cells: Novel Therapeutic Approaches. Stem Cell Reviews and Reports, 2012, 8, 994-1010.	5.6	51
160	Stro-1/CD44 as putative human myometrial and fibroid stem cell markers. Fertility and Sterility, 2015, 104, 225-234.e3.	1.0	50
161	Ashermanâ€™s Syndrome: it may not be all our fault. Human Reproduction, 2018, 33, 1374-1380.	0.9	50
162	Lack of Population Diversity in Commonly Used Human Embryonic Stem-Cell Lines. New England Journal of Medicine, 2010, 362, 183-185.	27.0	49

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163	The Effects of Anesthetic Preconditioning with Sevoflurane in an Experimental Lung Autotransplant Model in Pigs. Anesthesia and Analgesia, 2011, 113, 742-748.	2.2	49
164	Deciphering the proteomic signature of human endometrial receptivity. Human Reproduction, 2014, 29, 1957-1967.	0.9	49
165	Decidualization resistance in the origin of preeclampsia. American Journal of Obstetrics and Gynecology, 2022, 226, S886-S894.	1.3	49
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