

Catherine Racowsky

List of Publications by Year in descending order

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Version: 2024-02-01

130
papers

7,169
citations

66250

44
h-index

71088

80
g-index

131
all docs

131
docs citations

131
times ranked

5936
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronavirus disease 2019, reproductive health, and public policy: lessons learned after two years of the ongoing pandemicâ€”the American Society for Reproductive Medicineâ€™s Center for Policy and Leadership. <i>Fertility and Sterility</i> , 2022, 117, 708-712.	0.5	2
2	The impact of single-step and sequential embryo culture systems on obstetric and perinatal outcomes in singleton pregnancies: the Massachusetts Outcomes Study of Assisted Reproductive Technology. <i>Fertility and Sterility</i> , 2022, 117, 1246-1254.	0.5	6
3	Electronic whiteboard implementation as a quality management tool optimizes IVF laboratory standardization and improves clinical outcomes. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 203-210.	1.2	0
4	The clinical relevance of luteal phase progesterone support in true natural cycle cryopreserved blastocyst stage embryo transfers: a retrospective cohort study. <i>Fertility Research and Practice</i> , 2021, 7, 4.	4.1	4
5	Quality of embryos on day 7 after medium refreshment on day 6: a prospective trial. <i>Human Reproduction</i> , 2021, 36, 1253-1259.	0.4	3
6	Utilization of preimplantation genetic testing in the USA. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 1045-1053.	1.2	25
7	Inferring simple but precise quantitative models of human oocyte and early embryo development. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210475.	1.5	2
8	Validation of the French IVF guidelines during the COVID-19 pandemic. <i>Reproductive BioMedicine Online</i> , 2021, 43, 491-493.	1.1	0
9	Metabolic imaging of human cumulus cells reveals associations among metabolic profiles of cumulus cells, patient clinical factors, and oocyte maturity. <i>Fertility and Sterility</i> , 2021, 116, 1651-1662.	0.5	7
10	Intramuscular progesterone versus 8% Crinone vaginal gel for luteal phase support following blastocyst cryopreserved single embryo transfer: a retrospective cohort study. <i>Fertility Research and Practice</i> , 2020, 6, 10.	4.1	3
11	Trophectoderm biopsyâ€”perhaps not such a benign intervention. <i>Fertility and Sterility</i> , 2020, 114, 748-749.	0.5	2
12	Machine learning vs. classic statistics for the prediction of IVF outcomes. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 2405-2412.	1.2	29
13	Letter to editor. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 2653-2655.	1.2	1
14	Assisted Reproduction. , 2019, , 779-822.e16.		5
15	Time-Lapse Microscopy for Embryo Culture and Selection. , 2019, , 227-245.		0
16	The Implications of Reproductive Aging for the Health, Vitality, and Economic Welfare of Human Societies. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3821-3825.	1.8	16
17	Association between blastocyst morphology and pregnancy and perinatal outcomes following fresh and cryopreserved embryo transfer. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 2315-2324.	1.2	46
18	Supraphysiological Concentrations of Bisphenol A Alter the Expression of Extracellular Vesicle-Enriched miRNAs From Human Primary Granulosa Cells. <i>Toxicological Sciences</i> , 2019, 169, 5-13.	1.4	18

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19	Noninvasive preimplantation genetic testing for aneuploidy in spent medium may be more reliable than trophoctoderm biopsy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14105-14112.	3.3	130
20	Body mass index in relation to extracellular vesicle-linked microRNAs in human follicular fluid. Fertility and Sterility, 2019, 112, 387-396.e3.	0.5	15
21	Maternal-biased H3K27me3 correlates with paternal-specific gene expression in the human morula. Genes and Development, 2019, 33, 382-387.	2.7	47
22	Reply to Gleicher and Barad: Noninvasive preimplantation genetic testing may provide the solution to the problem of embryo mosaicism. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21978-21979.	3.3	3
23	Urinary concentrations of phenols and phthalate metabolites reflect extracellular vesicle microRNA expression in follicular fluid. Environment International, 2019, 123, 20-28.	4.8	39
24	Embryonic Factors Associated with Recurrent Implantation Failure. , 2018, , 59-75.		0
25	Time-lapse imaging: clearly useful to both laboratory personnel and patient outcomes versus just because we can doesn't mean we should. Fertility and Sterility, 2018, 109, 584-591.	0.5	21
26	Abnormal human chorionic gonadotropin (hCG) trends after transfer of multiple embryos resulting in viable singleton pregnancies. Journal of Assisted Reproduction and Genetics, 2018, 35, 483-489.	1.2	3
27	Cumulus cell gene expression as a potential biomarker for oocyte quality. Fertility and Sterility, 2018, 109, 438-439.	0.5	13
28	Stress, anxiety, and depression of both partners in infertile couples are associated with cytokine levels and adverse <sc>IVF</sc> outcome. American Journal of Reproductive Immunology, 2018, 79, e12832.	1.2	60
29	Urinary concentrations of biomarkers of phthalates and phthalate alternatives and IVF outcomes. Environment International, 2018, 111, 23-31.	4.8	85
30	Extracellular microRNAs profile in human follicular fluid and IVF outcomes. Scientific Reports, 2018, 8, 17036.	1.6	64
31	Making evidence-based decisions in reproductive medicine. Fertility and Sterility, 2018, 110, 1227-1230.	0.5	9
32	The association between quality of supernumerary embryos in a cohort and implantation potential of the transferred blastocyst. Journal of Assisted Reproduction and Genetics, 2018, 35, 1651-1656.	1.2	6
33	Urinary concentrations of phthalate metabolites, bisphenols and personal care product chemical biomarkers in pregnant women in Israel. Environment International, 2018, 116, 319-325.	4.8	53
34	Randomized controlled trial of low (5%) versus ultralow (2%) oxygen for extended culture using bipronucleate and tripronucleate human preimplantation embryos. Fertility and Sterility, 2018, 109, 1030-1037.e2.	0.5	25
35	Oocyte, embryo and blastocyst cryopreservation in ART: systematic review and meta-analysis comparing slow-freezing versus vitrification to produce evidence for the development of global guidance. Human Reproduction Update, 2017, 23, 139-155.	5.2	432
36	Extracellular microRNAs in follicular fluid and their potential association with oocyte fertilization and embryo quality: an exploratory study. Journal of Assisted Reproduction and Genetics, 2017, 34, 525-533.	1.2	76

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37	Bisphenol-A exposure and gene expression in human luteinized membrana granulosa cells in vitro. Human Reproduction, 2017, 32, 409-417.	0.4	19
38	Susceptibility of human cumulus cells to bisphenol a In vitro. Reproductive Toxicology, 2017, 74, 189-194.	1.3	14
39	Association between preconception maternal beverage intake and in vitro fertilization outcomes. Fertility and Sterility, 2017, 108, 1026-1033.	0.5	30
40	A pilot randomized controlled trial of Day 3 single embryo transfer with adjunctive time-lapse selection versus Day 5 single embryo transfer with or without adjunctive time-lapse selection. Human Reproduction, 2017, 32, 1598-1603.	0.4	38
41	The International Glossary on Infertility and Fertility Care, 2017. Fertility and Sterility, 2017, 108, 393-406.	0.5	736
42	The International Glossary on Infertility and Fertility Care, 2017. Human Reproduction, 2017, 32, 1786-1801.	0.4	776
43	Use of imaging software for assessment of the associations among zona pellucida thickness variation, assisted hatching, and implantation of day 3 embryos. Journal of Assisted Reproduction and Genetics, 2017, 34, 1261-1269.	1.2	7
44	Prospective study of automated versus manual annotation of early time-lapse markers in the human preimplantation embryo. Human Reproduction, 2017, 32, 1604-1611.	0.4	11
45	Effectiveness and safety of time-lapse imaging for embryo culture and selection: it is still too early for any conclusions?. Fertility and Sterility, 2017, 108, 450-452.	0.5	19
46	Blastocyst culture using single versus sequential media in clinical IVF: a systematic review and meta-analysis of randomized controlled trials. Journal of Assisted Reproduction and Genetics, 2016, 33, 1261-1272.	1.2	81
47	Reply: Clinical outcomes following selection of human preimplantation embryos with time-lapse monitoring: a systematic review. Human Reproduction Update, 2015, 21, 154-154.	5.2	65
48	Cryopreserved embryo transfer is an independent risk factor for placenta accreta. Fertility and Sterility, 2015, 103, 1176-1184.e2.	0.5	129
49	Is the presence of an uncleaved embryo on day 3 a useful predictor of outcomes following day 5 transfer?. Journal of Assisted Reproduction and Genetics, 2015, 32, 1379-1384.	1.2	6
50	A critical appraisal of time-lapse imaging for embryo selection: where are we and where do we need to go?. Journal of Assisted Reproduction and Genetics, 2015, 32, 1025-1030.	1.2	79
51	Is the presence of a non-cleaved embryo on day 3 associated with poorer quality of the remaining embryos in the cohort?. Journal of Assisted Reproduction and Genetics, 2015, 32, 677-683.	1.2	7
52	Current Status of Time-Lapse Microscopy for Embryo Selection. , 2015, , 109-135.		0
53	Assisted Reproduction. , 2014, , 734-773.e12.		2
54	Serum progesterone concentration on day of embryo transfer in donor oocyte cycles. Journal of Assisted Reproduction and Genetics, 2014, 31, 569-575.	1.2	64

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55	Using the Society for Assisted Reproductive Technology Clinic Outcome System morphological measures to predict live birth after assisted reproductive technology. <i>Fertility and Sterility</i> , 2014, 102, 1338-1344.	0.5	28
56	Reply: Clinical outcomes following selection of human preimplantation embryos with time-lapse monitoring: a systematic review. <i>Human Reproduction Update</i> , 2014, 20, 802-803.	5.2	3
57	What is the quality of information on social oocyte cryopreservation provided by websites of Society for Assisted Reproductive Technology member fertility clinics?. <i>Fertility and Sterility</i> , 2014, 101, 222-226.	0.5	30
58	Clinical outcomes following selection of human preimplantation embryos with time-lapse monitoring: a systematic review. <i>Human Reproduction Update</i> , 2014, 20, 617-631.	5.2	167
59	Predictors of twin live birth following cryopreserved double embryo transfer on day 3. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 1023-1030.	1.2	7
60	Morphological systems of human embryo assessment and clinical evidence. <i>Reproductive BioMedicine Online</i> , 2013, 26, 210-221.	1.1	116
61	Bisphenol-A and human oocyte maturation in vitro. <i>Human Reproduction</i> , 2013, 28, 2735-2745.	0.4	97
62	Safety, Efficacy, and Complexities in the ART Laboratory. <i>Seminars in Reproductive Medicine</i> , 2012, 30, 165-166.	0.5	0
63	Day 3 embryo shape as a morphologic selection parameter in in vitro fertilization. <i>Journal of Assisted Reproduction and Genetics</i> , 2012, 29, 1135-1139.	1.2	6
64	Intramuscular progesterone versus 8% Crinone vaginal gel for luteal phase support for day 3 cryopreserved embryo transfer. <i>Fertility and Sterility</i> , 2012, 98, 1464-1469.	0.5	62
65	The association between severe obesity and characteristics of failed fertilized oocytes. <i>Human Reproduction</i> , 2012, 27, 3198-3207.	0.4	106
66	Developmental potential of embryos from intracytoplasmic sperm injection cycles containing fragmented oocytes. <i>Fertility and Sterility</i> , 2012, 97, 338-343.	0.5	3
67	Is cryopreservation of embryos a legitimate surrogate marker of embryo quality in studies of assisted reproductive technology conducted using national databases?. <i>Fertility and Sterility</i> , 2012, 97, 890-893.	0.5	16
68	Culture Systems: Single Step. , 2012, 912, 199-209.		34
69	Is it best to cryopreserve human cumulus-free immature oocytes before or after in vitro maturation?. <i>Cryobiology</i> , 2012, 65, 79-87.	0.3	26
70	Ovarian reserve status in young women is associated with altered gene expression in membrana granulosa cells. <i>Molecular Human Reproduction</i> , 2012, 18, 362-371.	1.3	47
71	Release of superoxide dismutase-1 by day 3 embryos of varying quality and implantation potential. <i>Journal of Assisted Reproduction and Genetics</i> , 2012, 29, 305-311.	1.2	13
72	Ongoing Quality Assessment/Improvement in Clinical IVF. , 2012, , 225-247.		2

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73	Patterns of luteal phase bleeding in in vitro fertilization cycles supplemented with Crinone vaginal gel and with intramuscular progesterone—impact of luteal estrogen: prospective, randomized study and post hoc analysis. <i>Fertility and Sterility</i> , 2011, 95, 617-620.	0.5	13
74	Spontaneous reduction before 12 weeks' gestation and selective reduction similarly extend time to delivery in in vitro fertilization of trichorionic-triamniotic triplets. <i>Fertility and Sterility</i> , 2011, 95, 596-599.	0.5	30
75	A giant oocyte in a cohort of retrieved oocytes: does it have any effect on the in vitro fertilization cycle outcome?. <i>Fertility and Sterility</i> , 2011, 95, 573-576.	0.5	21
76	Utility of the national embryo morphology data collection by the Society for Assisted Reproductive Technologies (SART): correlation between day-3 morphology grade and live-birth outcome. <i>Fertility and Sterility</i> , 2011, 95, 2761-2763.	0.5	39
77	National collection of embryo morphology data into Society for Assisted Reproductive Technology Clinic Outcomes Reporting System: associations among day 3 cell number, fragmentation and blastomere asymmetry, and live birth rate. <i>Fertility and Sterility</i> , 2011, 95, 1985-1989.	0.5	100
78	Effect of time between human chorionic gonadotropin injection and egg retrieval is age dependent. <i>Fertility and Sterility</i> , 2011, 95, 1990-1995.	0.5	9
79	Use of preimplantation genetic diagnosis and preimplantation genetic screening in the United States: a Society for Assisted Reproductive Technology Writing Group paper. <i>Fertility and Sterility</i> , 2011, 96, 865-868.	0.5	45
80	Assisted Reproductive Technology-Related Multiple Births: Canada in an International Context. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2011, 33, 159-167.	0.3	15
81	Cellular and genetic analysis of oocytes and embryos in a human case of spontaneous oocyte activation. <i>Human Reproduction</i> , 2011, 26, 545-552.	0.4	27
82	Maturation outcomes are improved following Cryoleaf vitrification of immature human oocytes when compared to choline-based slow-freezing. <i>Journal of Assisted Reproduction and Genetics</i> , 2011, 28, 1183-1192.	1.2	15
83	Effect of Obesity on Oocyte and Embryo Quality in Women Undergoing In Vitro Fertilization. <i>Obstetrics and Gynecology</i> , 2011, 118, 63-70.	1.2	202
84	Extended in vitro maturation of immature oocytes from stimulated cycles: an analysis of fertilization potential, embryo development, and reproductive outcomes. <i>Journal of Assisted Reproduction and Genetics</i> , 2010, 27, 347-356.	1.2	50
85	Standardization of grading embryo morphology. <i>Journal of Assisted Reproduction and Genetics</i> , 2010, 27, 437-439.	1.2	93
86	Diagnosing cellular defects in an unexplained case of total fertilization failure. <i>Human Reproduction</i> , 2010, 25, 1666-1671.	0.4	56
87	Incidence and development of zygotes exhibiting abnormal pronuclear disposition after identification of two pronuclei at the fertilization check. <i>Fertility and Sterility</i> , 2010, 94, 965-970.	0.5	36
88	Empty follicle syndrome—does repeat administration of hCG really work?. <i>Fertility and Sterility</i> , 2010, 94, 375-377.	0.5	25
89	Crinone vaginal gel is equally effective and better tolerated than intramuscular progesterone for luteal phase support in in vitro fertilization—embryo transfer cycles: a prospective randomized study. <i>Fertility and Sterility</i> , 2010, 94, 2596-2599.	0.5	93
90	Impact of selective reduction of the monochorionic pair in in vitro fertilization triplet pregnancies on gestational length. <i>Fertility and Sterility</i> , 2010, 94, 2930-2931.	0.5	27

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91	Standardization of grading embryo morphology. <i>Fertility and Sterility</i> , 2010, 94, 1152-1153.	0.5	102
92	Is there an advantage in scoring early embryos on more than one day?. <i>Human Reproduction</i> , 2009, 24, 2104-2113.	0.4	102
93	Optimizing the number of blastocyst stage embryos to transfer on day 5 or 6 in women 38 years of age and older: a Society for Assisted Reproductive Technology database study. <i>Fertility and Sterility</i> , 2009, 91, 157-166.	0.5	17
94	In vitro fertilization outcomes after transfer of embryos contaminated with yeast. <i>Fertility and Sterility</i> , 2009, 91, 294-297.	0.5	7
95	Optimizing the number of cleavage stage embryos to transfer on day 3 in women 38 years of age and older: a Society for Assisted Reproductive Technology database study. <i>Fertility and Sterility</i> , 2009, 91, 767-776.	0.5	20
96	hMG increases the yield of mature oocytes and excellent-quality embryos in patients with a previous cycle having a high incidence of oocyte immaturity. <i>Fertility and Sterility</i> , 2009, 92, 946-949.	0.5	11
97	Selecting the Most Competent Embryo. , 2009, , 143-169.		8
98	Human embryonic stem cell derivation from poor-quality embryos. <i>Nature Biotechnology</i> , 2008, 26, 212-214.	9.4	100
99	Anesthetic impact of body mass index in patients undergoing assisted reproductive technologies. <i>Journal of Clinical Anesthesia</i> , 2008, 20, 356-363.	0.7	10
100	Comparison of Crinone 8% intravaginal gel and intramuscular progesterone supplementation for in vitro fertilization/embryo transfer in women under age 40: interim analysis of a prospective randomized trial. <i>Fertility and Sterility</i> , 2008, 89, 485-487.	0.5	39
101	Coasting vs. cryopreservation of all embryos for prevention of ovarian hyperstimulation syndrome in in vitro fertilization. <i>Fertility and Sterility</i> , 2008, 90, 1259-1262.	0.5	12
102	Risk factors associated with pregnancies containing a monozygotic pair following assisted reproductive technologies. <i>Human Reproduction</i> , 2008, 23, 1366-1371.	0.4	102
103	Gamete quality and assisted reproductive technologies. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , 2008, , 637-656.	0.1	0
104	ETHICS: The ISSCR Guidelines for Human Embryonic Stem Cell Research. <i>Science</i> , 2007, 315, 603-604.	6.0	104
105	Development rate, cumulative scoring, and embryonic viability. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , 2007, , 101-122.	0.1	6
106	Effects of culture medium on HCG concentrations and their value in predicting successful IVF outcome. <i>Reproductive BioMedicine Online</i> , 2006, 12, 590-598.	1.1	20
107	Benefit of intracytoplasmic sperm injection in patients with a high incidence of triploidy in a prior in vitro fertilization cycle. <i>Fertility and Sterility</i> , 2006, 86, 825-829.	0.5	21
108	Early compaction on day 3 may be associated with increased implantation potential. <i>Fertility and Sterility</i> , 2006, 86, 1386-1391.	0.5	57

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109	Aneuploidy involving chromosome 1 in failed-fertilized human oocytes is unrelated to maternal age. <i>Journal of Assisted Reproduction and Genetics</i> , 2005, 22, 285-293.	1.2	2
110	Assessment and Optimization of Oocyte Quality during Assisted Reproductive Technology Treatment. <i>Seminars in Reproductive Medicine</i> , 2005, 23, 277-284.	0.5	31
111	Optimum number of embryos to transfer in women more than 40 years of age undergoing treatment with assisted reproductive technologies. <i>Fertility and Sterility</i> , 2005, 84, 1637-1642.	0.5	14
112	Embryo quality based on ovulation induction: defining the differences. <i>Reproductive BioMedicine Online</i> , 2005, 11, 22-25.	1.1	9
113	In vitro maturation of human oocytes and cumulus cells using a co-culture three-dimensional collagen gel system. <i>Human Reproduction</i> , 2005, 20, 1349-1358.	0.4	94
114	Day 3 and day 5 morphological predictors of embryo viability. <i>Reproductive BioMedicine Online</i> , 2003, 6, 323-331.	1.1	161
115	Distinct microtubule and chromatin characteristics of human oocytes after failed in-vivo and in-vitro meiotic maturation. <i>Human Reproduction</i> , 2003, 18, 2124-2130.	0.4	51
116	The development of fertilized human ova to the blastocyst stage in KSOMAA medium: is a two-step protocol necessary?. <i>Reproductive BioMedicine Online</i> , 2002, 5, 133-140.	1.1	121
117	A novel system for in vitro maturation of human oocytes. <i>Fertility and Sterility</i> , 2001, 75, 1185-1193.	0.5	70
118	Uterine leiomyomas and their effect on in vitro fertilization outcome: a retrospective study. <i>Journal of Assisted Reproduction and Genetics</i> , 2001, 18, 139-143.	1.2	71
119	Blastocyst-ET and monozygotic twinning. <i>Journal of Assisted Reproduction and Genetics</i> , 2000, 17, 349-351.	1.2	162
120	Presence of Fas-Fas Ligand System and Bcl-2 Gene Products in Cells and Fluids from Gonadotropin-Stimulated Human Ovaries ¹ . <i>Biology of Reproduction</i> , 2000, 63, 1811-1816.	1.2	33
121	Factors associated with the formation of triploid zygotes after intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2000, 73, 1109-1114.	0.5	36
122	The number of eight-cell embryos is a key determinant for selecting day 3 or day 5 transfer. <i>Fertility and Sterility</i> , 2000, 73, 558-564.	0.5	215
123	Expression of Interleukin-1 System Genes in Human Gametes ¹ . <i>Biology of Reproduction</i> , 1998, 59, 1419-1424.	1.2	33
124	Prematurely condensed chromosomes and meiotic abnormalities in unfertilized human oocytes after ovarian stimulation with and without gonadotropin-releasing hormone agonist. <i>Fertility and Sterility</i> , 1997, 67, 932-938.	0.5	19
125	Nuclear degeneration and meiotic aberrations observed in human oocytes matured in vitro: analysis by light microscopy. <i>Fertility and Sterility</i> , 1992, 58, 750-755.	0.5	49
126	In vitro and in vivo studies reveal that hamster oocyte meiotic arrest is maintained only transiently by follicular fluid, but persistently by membrana/cumulus granulosa cell contact. <i>Developmental Biology</i> , 1989, 134, 297-306.	0.9	76

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127	Direct effects of nicotine on the meiotic maturation of hamster oocytes. <i>Reproductive Toxicology</i> , 1989, 3, 13-21.	1.3	38
128	Metabolic, fluorescent dye and electrical coupling between hamster oocytes and cumulus cells during meiotic maturation in vivo and in vitro. <i>Developmental Biology</i> , 1985, 108, 191-202.	0.9	65
129	Are Blastocyst Prostaglandins Produced Endogenously?. <i>Biology of Reproduction</i> , 1983, 29, 379-388.	1.2	45
130	Androgenic Modulation of Cyclic Adenosine Monophosphate (cAMP)-Dependent Meiotic Arrest. <i>Biology of Reproduction</i> , 1983, 28, 774-787.	1.2	44