

Robert B Gilchrist

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7952598/publications.pdf>

Version: 2024-02-01

131
papers

9,805
citations

28242

55
h-index

39638

94
g-index

133
all docs

133
docs citations

133
times ranked

5402
citing authors

#	ARTICLE	IF	CITATIONS
1	Oocyte-secreted factors: regulators of cumulus cell function and oocyte quality. <i>Human Reproduction Update</i> , 2008, 14, 159-177.	5.2	796
2	Oocyte-somatic cell interactions during follicle development in mammals. <i>Animal Reproduction Science</i> , 2004, 82-83, 431-446.	0.5	415
3	The pivotal role of glucose metabolism in determining oocyte developmental competence. <i>Reproduction</i> , 2010, 139, 685-695.	1.1	381
4	Oocyte-secreted factors enhance oocyte developmental competence. <i>Developmental Biology</i> , 2006, 296, 514-521.	0.9	303
5	Oocytes prevent cumulus cell apoptosis by maintaining a morphogenic paracrine gradient of bone morphogenetic proteins. <i>Journal of Cell Science</i> , 2005, 118, 5257-5268.	1.2	296
6	Oocyte maturation: Emerging concepts and technologies to improve developmental potential in vitro. <i>Theriogenology</i> , 2007, 67, 6-15.	0.9	284
7	Simulated physiological oocyte maturation (SPOM): a novel in vitro maturation system that substantially improves embryo yield and pregnancy outcomes. <i>Human Reproduction</i> , 2010, 25, 2999-3011.	0.4	240
8	The epidermal growth factor network: role in oocyte growth, maturation and developmental competence. <i>Human Reproduction Update</i> , 2018, 24, 1-14.	5.2	197
9	Molecular basis of oocyte-paracrine signalling that promotes granulosa cell proliferation. <i>Journal of Cell Science</i> , 2006, 119, 3811-3821.	1.2	193
10	Recent insights into oocyte - follicle cell interactions provide opportunities for the development of new approaches to in vitro maturation. <i>Reproduction, Fertility and Development</i> , 2011, 23, 23.	0.1	191
11	NAD ⁺ Repletion Rescues Female Fertility during Reproductive Aging. <i>Cell Reports</i> , 2020, 30, 1670-1681.e7.	2.9	169
12	Oocyte-Secreted Factor(s) Determine Functional Differences Between Bovine Mural Granulosa Cells and Cumulus Cells ¹ . <i>Biology of Reproduction</i> , 2000, 63, 839-845.	1.2	165
13	Bidirectional communication between cumulus cells and the oocyte: Old hands and new players?. <i>Theriogenology</i> , 2016, 86, 62-68.	0.9	163
14	Bovine Cumulus Cell-Oocyte Gap Junctional Communication During In Vitro Maturation in Response to Manipulation of Cell-Specific Cyclic Adenosine 3',5'-Monophosphate Levels ¹ . <i>Biology of Reproduction</i> , 2004, 70, 548-556.	1.2	162
15	Neuroendocrine androgen action is a key extraovarian mediator in the development of polycystic ovary syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3334-E3343.	3.3	158
16	TGF- β ² Mediates Proinflammatory Seminal Fluid Signaling in Human Cervical Epithelial Cells. <i>Journal of Immunology</i> , 2012, 189, 1024-1035.	0.4	157
17	Anti-Müllerian hormone as a predictor of IVF outcome. <i>Reproductive BioMedicine Online</i> , 2007, 14, 602-610.	1.1	155
18	Oocyte maturation and quality: role of cyclic nucleotides. <i>Reproduction</i> , 2016, 152, R143-R157.	1.1	152

#	ARTICLE	IF	CITATIONS
19	The Promise of in Vitro Maturation in Assisted Reproduction and Fertility Preservation. <i>Seminars in Reproductive Medicine</i> , 2011, 29, 024-037.	0.5	141
20	Oocyte-Secreted Factor Activation of SMAD 2/3 Signaling Enables Initiation of Mouse Cumulus Cell Expansion. <i>Biology of Reproduction</i> , 2007, 76, 848-857.	1.2	134
21	Exogenous growth differentiation factor 9 in oocyte maturation media enhances subsequent embryo development and fetal viability in mice. <i>Human Reproduction</i> , 2007, 23, 67-73.	0.4	132
22	Metabolic co-dependence of the oocyte and cumulus cells: essential role in determining oocyte developmental competence. <i>Human Reproduction Update</i> , 2021, 27, 27-47.	5.2	131
23	Cumulin, an Oocyte-secreted Heterodimer of the Transforming Growth Factor- β Family, Is a Potent Activator of Granulosa Cells and Improves Oocyte Quality. <i>Journal of Biological Chemistry</i> , 2015, 290, 24007-24020.	1.6	130
24	Differential Effects of Specific Phosphodiesterase Isoenzyme Inhibitors on Bovine Oocyte Meiotic Maturation. <i>Developmental Biology</i> , 2002, 244, 215-225.	0.9	122
25	Expression of Leptin and Its Receptor in the Murine Ovary: Possible Role in the Regulation of Oocyte Maturation. <i>Biology of Reproduction</i> , 2002, 66, 1548-1554.	1.2	117
26	Role of Oocyte-Secreted Growth Differentiation Factor 9 in the Regulation of Mouse Cumulus Expansion. <i>Endocrinology</i> , 2005, 146, 2798-2806.	1.4	115
27	Effect of Specific Phosphodiesterase Isoenzyme Inhibitors During In Vitro Maturation of Bovine Oocytes on Meiotic and Developmental Capacity. <i>Biology of Reproduction</i> , 2004, 71, 1142-1149.	1.2	113
28	The safety and efficacy of controlled ovarian hyperstimulation for fertility preservation in women with early breast cancer: a systematic review. <i>Human Reproduction</i> , 2017, 32, 1033-1045.	0.4	110
29	Androgens Augment the Mitogenic Effects of Oocyte-Secreted Factors and Growth Differentiation Factor 9 on Porcine Granulosa Cells. <i>Biology of Reproduction</i> , 2005, 73, 825-832.	1.2	109
30	Influence of oocyte-secreted factors and culture duration on the metabolic activity of bovine cumulus cell complexes. <i>Reproduction</i> , 2003, 126, 27-34.	1.1	107
31	Cumulus expansion and glucose utilisation by bovine cumulus-oocyte complexes during in vitro maturation: the influence of glucosamine and follicle-stimulating hormone. <i>Reproduction</i> , 2004, 128, 313-319.	1.1	101
32	New Perspectives on the Pathogenesis of PCOS: Neuroendocrine Origins. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 841-852.	3.1	101
33	Regulation of Gap Junctions in Porcine Cumulus-Oocyte Complexes: Contributions of Granulosa Cell Contact, Gonadotropins, and Lipid Rafts. <i>Molecular Endocrinology</i> , 2009, 23, 700-710.	3.7	87
34	Perspectives on the development and future of oocyte IVM in clinical practice. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 1265-1280.	1.2	82
35	The definition of IVM is clear—variations need defining. <i>Human Reproduction</i> , 2016, 31, 2411-2415.	0.4	81
36	Bone morphogenetic protein 15 and fibroblast growth factor 10 enhance cumulus expansion, glucose uptake, and expression of genes in the ovulatory cascade during in vitro maturation of bovine cumulus-oocyte complexes. <i>Reproduction</i> , 2013, 146, 27-35.	1.1	78

#	ARTICLE	IF	CITATIONS
37	Extending prematuration with cAMP modulators enhances the cumulus contribution to oocyte antioxidant defence and oocyte quality via gap junctions. <i>Human Reproduction</i> , 2016, 31, 810-821.	0.4	78
38	Immunoneutralization of Growth Differentiation Factor 9 Reveals It Partially Accounts for Mouse Oocyte Mitogenic Activity1. <i>Biology of Reproduction</i> , 2004, 71, 732-739.	1.2	77
39	Characterization of Novel Phosphodiesterases in the Bovine Ovarian Follicle1. <i>Biology of Reproduction</i> , 2009, 81, 415-425.	1.2	74
40	Growth Differentiation Factor 9 Is a Germ Cell Regulator of Sertoli Cell Function. <i>Endocrinology</i> , 2009, 150, 2481-2490.	1.4	74
41	Regulation of sheep oocyte maturation using cAMP modulators. <i>Theriogenology</i> , 2013, 79, 142-148.	0.9	74
42	Heparin and cAMP modulators interact during pre-in vitro maturation to affect mouse and human oocyte meiosis and developmental competence. <i>Human Reproduction</i> , 2013, 28, 1536-1545.	0.4	73
43	Signalling pathways mediating specific synergistic interactions between GDF9 and BMP15. <i>Molecular Human Reproduction</i> , 2012, 18, 121-128.	1.3	72
44	Biphasic in vitro maturation (CAPA-IVM) specifically improves the developmental capacity of oocytes from small antral follicles. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 2135-2144.	1.2	72
45	Mouse Oocyte Mitogenic Activity Is Developmentally Coordinated throughout Folliculogenesis and Meiotic Maturation. <i>Developmental Biology</i> , 2001, 240, 289-298.	0.9	71
46	Increased gonadotrophin stimulation does not improve IVF outcomes in patients with predicted poor ovarian reserve. <i>Journal of Assisted Reproduction and Genetics</i> , 2008, 25, 515-521.	1.2	70
47	Maturation, Fertilization, and Development of Marmoset Monkey Oocytes in Vitro. <i>Biology of Reproduction</i> , 1997, 56, 238-246.	1.2	69
48	Interactions Between Androgen and Growth Factors in Granulosa Cell Subtypes of Porcine Antral Follicles1. <i>Biology of Reproduction</i> , 2004, 71, 45-52.	1.2	68
49	Live births after oocyte in vitro maturation with a prematuration step in women with polycystic ovary syndrome. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 347-357.	1.2	66
50	Prematuration with Cyclic Adenosine Monophosphate Modulators Alters Cumulus Cell and Oocyte Metabolism and Enhances Developmental Competence of In Vitro-Matured Mouse Oocytes1. <i>Biology of Reproduction</i> , 2014, 91, 47.	1.2	64
51	Amphiregulin co-operates with bone morphogenetic protein 15 to increase bovine oocyte developmental competence: effects on gap junction-mediated metabolite supply. <i>Molecular Human Reproduction</i> , 2014, 20, 499-513.	1.3	62
52	In-vitro maturation of oocytes versus conventional IVF in women with infertility and a high antral follicle count: a randomized non-inferiority controlled trial. <i>Human Reproduction</i> , 2020, 35, 2537-2547.	0.4	62
53	Growth differentiation factor 9 signaling requires ERK1/2 activity in mouse granulosa and cumulus cells. <i>Journal of Cell Science</i> , 2010, 123, 3166-3176.	1.2	61
54	Pre-maturation with cAMP modulators in conjunction with EGF-like peptides during in vitro maturation enhances mouse oocyte developmental competence. <i>Molecular Reproduction and Development</i> , 2014, 81, 422-435.	1.0	61

#	ARTICLE	IF	CITATIONS
55	Promotion of EGF receptor signaling improves the quality of low developmental competence oocytes. <i>Developmental Biology</i> , 2015, 403, 139-149.	0.9	58
56	Adenosine 5â€²-Monophosphate Kinase-Activated Protein Kinase (PRKA) Activators Delay Meiotic Resumption in Porcine Oocytes1. <i>Biology of Reproduction</i> , 2007, 76, 589-597.	1.2	56
57	Mode of oocyte maturation affects EGF-like peptide function and oocyte competence. <i>Molecular Human Reproduction</i> , 2013, 19, 500-509.	1.3	52
58	Comparison of oocyte factors and transforming growth factor-Î² in the regulation of DNA synthesis in bovine granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2003, 201, 87-95.	1.6	49
59	Adenoviral Gene Transfer Allows Smad-Responsive Gene Promoter Analyses and Delineation of Type I Receptor Usage of Transforming Growth Factor-Î² Family Ligands in Cultured Human Granulosa Luteal Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 271-278.	1.8	48
60	Heparan Sulfate Proteoglycans Regulate Responses to Oocyte Paracrine Signals in Ovarian Follicle Morphogenesis. <i>Endocrinology</i> , 2012, 153, 4544-4555.	1.4	48
61	Effect of hexoses and gonadotrophin supplementation on bovine oocyte nuclear maturation during in vitro maturation in a synthetic follicle fluid medium. <i>Reproduction, Fertility and Development</i> , 2005, 17, 407.	0.1	47
62	Disruption of Bidirectional Oocyte-Cumulus Paracrine Signaling During In Vitro Maturation Reduces Subsequent Mouse Oocyte Developmental Competence1. <i>Biology of Reproduction</i> , 2009, 80, 1072-1080.	1.2	47
63	Fibroblast growth factor 17 and bone morphogenetic protein 15 enhance cumulus expansion and improve quality of in vitro produced embryos in cattle. <i>Theriogenology</i> , 2015, 84, 390-398.	0.9	47
64	Changes in Follicle-Stimulating Hormone and Follicle Populations During the Ovarian Cycle of the Common Marmoset1. <i>Biology of Reproduction</i> , 2001, 64, 127-135.	1.2	46
65	Bone Morphogenetic Protein 15 in the Pro-Mature Complex Form Enhances Bovine Oocyte Developmental Competence. <i>PLoS ONE</i> , 2014, 9, e103563.	1.1	45
66	Quantifying the cellular NAD+ metabolome using a tandem liquid chromatography mass spectrometry approach. <i>Metabolomics</i> , 2018, 14, 15.	1.4	45
67	Oocyte Induction of EGF Responsiveness in Somatic Cells Is Associated With the Acquisition of Porcine Oocyte Developmental Competence. <i>Endocrinology</i> , 2015, 156, 2299-2312.	1.4	44
68	Defining the impact of dietary macronutrient balance on PCOS traits. <i>Nature Communications</i> , 2020, 11, 5262.	5.8	44
69	Glucosamine Supplementation During In Vitro Maturation Inhibits Subsequent Embryo Development: Possible Role of the Hexosamine Pathway as a Regulator of Developmental Competence1. <i>Biology of Reproduction</i> , 2006, 74, 881-888.	1.2	43
70	Failure to launch: aberrant cumulus gene expression during oocyte in vitro maturation. <i>Reproduction</i> , 2017, 153, R109-R120.	1.1	42
71	Androgen signaling pathways driving reproductive and metabolic phenotypes in a PCOS mouse model. <i>Journal of Endocrinology</i> , 2020, 245, 381-395.	1.2	42
72	Temporal effects of exogenous oocyte-secreted factors on bovine oocyte developmental competence during IVM. <i>Reproduction, Fertility and Development</i> , 2011, 23, 576.	0.1	41

#	ARTICLE	IF	CITATIONS
73	Activation of Latent Human GDF9 by a Single Residue Change (Gly391Arg) in the Mature Domain. <i>Endocrinology</i> , 2012, 153, 1301-1310.	1.4	40
74	Redox and anti-oxidant state within cattle oocytes following in vitro maturation with bone morphogenetic protein 15 and follicle stimulating hormone. <i>Molecular Reproduction and Development</i> , 2015, 82, 281-294.	1.0	40
75	Effect of Epidermal Growth Factor-Like Peptides on the Metabolism of In Vitro- Matured Mouse Oocytes and Cumulus Cells ¹ . <i>Biology of Reproduction</i> , 2014, 90, 49.	1.2	39
76	Metabolic Differences in Bovine Cumulus-Oocyte Complexes Matured In Vitro in the Presence or Absence of Follicle-Stimulating Hormone and Bone Morphogenetic Protein 15 ¹ . <i>Biology of Reproduction</i> , 2012, 87, 87.	1.2	38
77	Chromosome constitution of human embryos generated after in vitro maturation including 3-isobutyl-1-methylxanthine in the oocyte collection medium. <i>Human Reproduction</i> , 2015, 30, 653-663.	0.4	36
78	Metabolism of the bovine cumulus-oocyte complex and influence on subsequent developmental competence. <i>Reproduction in Domestic Ruminants</i> , 2007, 6, 179-190.	0.1	34
79	Effects of ovarian stimulation, with and without human chorionic gonadotrophin, on oocyte meiotic and developmental competence in the marmoset monkey (<i>Callithrix jacchus</i>). <i>Theriogenology</i> , 2007, 68, 861-872.	0.9	33
80	Differences in the participation of TGF β superfamily signalling pathways mediating porcine and murine cumulus cell expansion. <i>Reproduction</i> , 2011, 142, 647-657.	1.1	33
81	Reevaluation and evolution of the simulated physiological oocyte maturation system. <i>Theriogenology</i> , 2015, 84, 656-657.	0.9	32
82	In-vitro regulation of primordial follicle activation: challenges for fertility preservation strategies. <i>Reproductive BioMedicine Online</i> , 2018, 36, 491-499.	1.1	32
83	A Hyperandrogenic Environment Causes Intrinsic Defects That Are Detrimental to Follicular Dynamics in a PCOS Mouse Model. <i>Endocrinology</i> , 2019, 160, 699-715.	1.4	32
84	Hemoglobin: a Gas Transport Molecule That Is Hormonally Regulated in the Ovarian Follicle in Mice and Humans ¹ . <i>Biology of Reproduction</i> , 2015, 92, 26.	1.2	31
85	BMP15 Mutations Associated With Primary Ovarian Insufficiency Reduce Expression, Activity, or Synergy With GDF9. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 1009-1019.	1.8	31
86	Effect of pre- and in vitro maturation with cAMP modulators on the acquisition of oocyte developmental competence in cattle. <i>Journal of Reproduction and Development</i> , 2018, 64, 233-241.	0.5	31
87	Androgen Action in Adipose Tissue and the Brain are Key Mediators in the Development of PCOS Traits in a Mouse Model. <i>Endocrinology</i> , 2020, 161, .	1.4	31
88	Aberrant GDF9 Expression and Activation Are Associated With Common Human Ovarian Disorders. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E615-E624.	1.8	29
89	Signalling pathways involved in the synergistic effects of human growth differentiation factor 9 and bone morphogenetic protein 15. <i>Reproduction, Fertility and Development</i> , 2016, 28, 491.	0.1	28
90	A variant of human growth differentiation factor-9 that improves oocyte developmental competence. <i>Journal of Biological Chemistry</i> , 2020, 295, 7981-7991.	1.6	28

#	ARTICLE	IF	CITATIONS
91	Hyperglycaemic conditions perturb mouse oocyte in vitro developmental competence via beta-O-linked glycosylation of Heat shock protein 90. <i>Human Reproduction</i> , 2014, 29, 1292-1303.	0.4	27
92	Growth differentiation factor 9:bone morphogenetic protein 15 (GDF9:BMP15) synergism and protein heterodimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2257.	3.3	23
93	Niclosamide reduces glucagon sensitivity via hepatic PKA inhibition in obese mice: Implications for glucose metabolism improvements in type 2 diabetes. <i>Scientific Reports</i> , 2017, 7, 40159.	1.6	23
94	Oocyte expression, secretion and somatic cell interaction of mouse bone morphogenetic protein 15 during the peri-ovulatory period. <i>Reproduction, Fertility and Development</i> , 2015, 27, 801.	0.1	22
95	Improving Fertility Preservation for Girls and Women by Coupling Oocyte <i>in vitro</i> Maturation with Existing Strategies. <i>Women's Health</i> , 2016, 12, 275-278.	0.7	22
96	Transcriptomic signature of the follicular somatic compartment surrounding an oocyte with high developmental competence. <i>Scientific Reports</i> , 2017, 7, 6815.	1.6	22
97	Capacitation IVM improves cumulus function and oocyte quality in minimally stimulated mice. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 77-88.	1.2	22
98	Effectiveness and safety of in vitro maturation of oocytes versus in vitro fertilisation in women with high antral follicle count: study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2018, 8, e023413.	0.8	21
99	Participation of the adenosine salvage pathway and cyclic AMP modulation in oocyte energy metabolism. <i>Scientific Reports</i> , 2019, 9, 18395.	1.6	20
100	Serum Concentrations of Oocyte-Secreted Factors BMP15 and GDF9 During IVF and in Women With Reproductive Pathologies. <i>Endocrinology</i> , 2019, 160, 2298-2313.	1.4	19
101	The Place of In Vitro Maturation in Assisted Reproductive Technology. <i>Fertility & Reproduction</i> , 2019, 01, 11-15.	0.0	19
102	Neurokinin 3 Receptor Antagonism Ameliorates Key Metabolic Features in a Hyperandrogenic PCOS Mouse Model. <i>Endocrinology</i> , 2021, 162, .	1.4	19
103	Cumulin and FSH Cooperate to Regulate Inhibin B and Activin B Production by Human Granulosa-Lutein Cells In Vitro. <i>Endocrinology</i> , 2019, 160, 853-862.	1.4	17
104	Extra-ovarian expression and activity of growth differentiation factor 9. <i>Journal of Endocrinology</i> , 2009, 202, 419-430.	1.2	16
105	The effect of peri-conception hyperglycaemia and the involvement of the hexosamine biosynthesis pathway in mediating oocyte and embryo developmental competence. <i>Molecular Reproduction and Development</i> , 2014, 81, 391-408.	1.0	16
106	Activation of 5 α -Adenosine Monophosphate-Activated Protein Kinase Blocks Cumulus Cell Expansion Through Inhibition of Protein Synthesis During In Vitro Maturation in Swine1. <i>Biology of Reproduction</i> , 2014, 91, 51.	1.2	16
107	Modifications of Human Growth Differentiation Factor 9 to Improve the Generation of Embryos From Low Competence Oocytes. <i>Molecular Endocrinology</i> , 2015, 29, 40-52.	3.7	16
108	Approaches to oocyte meiotic arrest in vitro and impact on oocyte developmental competence. <i>Biology of Reproduction</i> , 2022, 106, 243-252.	1.2	15

#	ARTICLE	IF	CITATIONS
109	Cross-reactivity of anti-human chemokine receptor and anti-TNF family antibodies with common marmoset (<i>Callithrix jacchus</i>) leukocytes. <i>Cellular Immunology</i> , 2005, 236, 115-122.	1.4	14
110	MHC Class II DRB genotyping is highly predictive of in-vitro alloreactivity in the common marmoset. <i>Journal of Immunological Methods</i> , 2006, 314, 153-163.	0.6	14
111	Random Start or Emergency IVF/ <i>in vitro</i> Maturation: A New Rapid Approach to Fertility Preservation. <i>Women's Health</i> , 2016, 12, 339-349.	0.7	13
112	A sensitive method for the separation and quantification of low-level adenine nucleotides using porous graphitic carbon-based liquid chromatography and tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 445-451.	1.2	13
113	Pathogenesis of Reproductive and Metabolic PCOS Traits in a Mouse Model. <i>Journal of the Endocrine Society</i> , 2021, 5, bvab060.	0.1	12
114	IVM media are designed specifically to support immature cumulus-oocyte complexes not denuded oocytes that have failed to respond to hyperstimulation. <i>Fertility and Sterility</i> , 2011, 96, e141.	0.5	11
115	Current status and future trends of the clinical practice of human oocyte in vitro maturation. , 2011, , 186-198.		10
116	Non-canonical cyclic AMP SMAD1/5/8 signalling in human granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2019, 490, 37-46.	1.6	10
117	Are human oocytes from stem cells next?. <i>Nature Biotechnology</i> , 2016, 34, 1247-1248.	9.4	9
118	Prospects of Rescuing Young Eggs for Oncofertility. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 708-711.	3.1	9
119	The interplay between PCOS pathology and diet on gut microbiota in a mouse model. <i>Gut Microbes</i> , 2022, 14, .	4.3	9
120	Effect of cumulin and super-GDF9 in standard and biphasic mouse IVM. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 127-140.	1.2	8
121	Multispectral autofluorescence characteristics of reproductive aging in old and young mouse oocytes. <i>Biogerontology</i> , 2022, 23, 237-249.	2.0	8
122	Somatic Guidance for the Oocyte. <i>Developmental Cell</i> , 2013, 27, 603-605.	3.1	7
123	Pioneering contributions by Robert Edwards to oocyte in vitro maturation (IVM). <i>Molecular Human Reproduction</i> , 2013, 19, 794-798.	1.3	7
124	Follicle Selection in Mammalian Ovaries. , 2019, , 3-21.		7
125	Exploratory analysis of serum concentrations of oocyte biomarkers growth differentiation factor 9 and bone morphogenetic protein 15 in ovulatory women across the menstrual cycle. <i>Fertility and Sterility</i> , 2021, 116, 546-557.	0.5	7
126	Follicular guidance for oocyte developmental competence. <i>Animal Reproduction</i> , 2018, 15, 721-726.	0.4	7

#	ARTICLE	IF	CITATIONS
127	Androgen signaling in adipose tissue, but less likely skeletal muscle, mediates development of metabolic traits in a PCOS mouse model. American Journal of Physiology - Endocrinology and Metabolism, 2022, 323, E145-E158.	1.8	6
128	Improving oocyte maturation in vitro. , 0 , 212-223.		4
129	Unique Deep Radiomic Signature Shows NMN Treatment Reverses Morphology of Oocytes from Aged Mice. Biomedicines, 2022, 10, 1544.	1.4	3
130	In vitro maturation (IVM) versus in vitro fertilization (IVF) in women with high antral follicle count (AFC): a randomized controlled trial (NCT03405701). Fertility and Sterility, 2019, 112, e435-e436.	0.5	2
131	Autoimmune ovarian insufficiency: broadening indications for in vitro maturation. Fertility and Sterility, 2020, 114, 757-758.	0.5	1