

Jeremy Ge Thompson

List of Publications by Citations

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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.

158
papers

9,105
citations

51
h-index

91
g-index

168
ext. papers

10,094
ext. citations

3.6
avg, IF

6.19
L-index

#	Paper	IF	Citations
158	Oocyte-secreted factors: regulators of cumulus cell function and oocyte quality. <i>Human Reproduction Update</i> , 2008 , 14, 159-77	15.8	620
157	Lamb birth weight is affected by culture system utilized during in vitro pre-elongation development of ovine embryos. <i>Biology of Reproduction</i> , 1995 , 53, 1385-91	3.9	345
156	The pivotal role of glucose metabolism in determining oocyte developmental competence. <i>Reproduction</i> , 2010 , 139, 685-95	3.8	293
155	Effects of in-vivo and in-vitro environments on the metabolism of the cumulus-oocyte complex and its influence on oocyte developmental capacity. <i>Human Reproduction Update</i> , 2003 , 9, 35-48	15.8	282
154	Oxygen consumption and energy metabolism of the early mouse embryo. <i>Molecular Reproduction and Development</i> , 1996 , 44, 476-85	2.6	265
153	Oocytes prevent cumulus cell apoptosis by maintaining a morphogenetic paracrine gradient of bone morphogenetic proteins. <i>Journal of Cell Science</i> , 2005 , 118, 5257-68	5.3	264
152	Oocyte-secreted factors enhance oocyte developmental competence. <i>Developmental Biology</i> , 2006 , 296, 514-21	3.1	261
151	Beta-oxidation is essential for mouse oocyte developmental competence and early embryo development. <i>Biology of Reproduction</i> , 2010 , 83, 909-18	3.9	255
150	REDOX regulation of early embryo development. <i>Reproduction</i> , 2002 , 123, 479-86	3.8	244
149	Effect of oxygen concentration on in-vitro development of preimplantation sheep and cattle embryos. <i>Reproduction</i> , 1990 , 89, 573-8	3.8	231
148	Oocyte maturation: emerging concepts and technologies to improve developmental potential in vitro. <i>Theriogenology</i> , 2007 , 67, 6-15	2.8	230
147	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	5.7	197
146	Beyond oxygen: complex regulation and activity of hypoxia inducible factors in pregnancy. <i>Human Reproduction Update</i> , 2010 , 16, 415-31	15.8	171
145	A randomised control trial examining the effect of an antioxidant (Menevit) on pregnancy outcome during IVF-ICSI treatment. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2007 , 47, 216-21	1.7	143
144	Oxygen-regulated gene expression in bovine blastocysts. <i>Biology of Reproduction</i> , 2004 , 71, 1108-19	3.9	141
143	Comparison between in vivo-derived and in vitro-produced pre-elongation embryos from domestic ruminants. <i>Reproduction, Fertility and Development</i> , 1997 , 9, 341-54	1.8	133
142	Effect of glutathione synthesis stimulation during in vitro maturation of ovine oocytes on embryo development and intracellular peroxide content. <i>Theriogenology</i> , 2002 , 57, 1443-51	2.8	122

141	The promise of in vitro maturation in assisted reproduction and fertility preservation. <i>Seminars in Reproductive Medicine</i> , 2011 , 29, 24-37	1.4	119
140	Human assisted conception: a cautionary tale. Lessons from domestic animals. <i>Human Reproduction</i> , 1998 , 13 Suppl 4, 184-202	5.7	115
139	Maternal supply of omega-3 polyunsaturated fatty acids alter mechanisms involved in oocyte and early embryo development in the mouse. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E425-34	6	114
138	Oocyte-secreted factor activation of SMAD 2/3 signaling enables initiation of mouse cumulus cell expansion. <i>Biology of Reproduction</i> , 2007 , 76, 848-57	3.9	114
137	Exogenous growth differentiation factor 9 in oocyte maturation media enhances subsequent embryo development and fetal viability in mice. <i>Human Reproduction</i> , 2008 , 23, 67-73	5.7	113
136	Bidirectional communication between cumulus cells and the oocyte: Old hands and new players?. <i>Theriogenology</i> , 2016 , 86, 62-8	2.8	110
135	Bovine embryo culture in vitro: new developments and post-transfer consequences. <i>Human Reproduction</i> , 2000 , 15 Suppl 5, 59-67	5.7	103
134	In vitro culture and embryo metabolism of cattle and sheep embryos - a decade of achievement. <i>Animal Reproduction Science</i> , 2000 , 60-61, 263-75	2.1	102
133	Effect of delayed supplementation of fetal calf serum to culture medium on bovine embryo development in vitro and following transfer. <i>Theriogenology</i> , 1998 , 49, 1239-49	2.8	100
132	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, 1142-9	3.9	98
131	Perturbations in mouse embryo development and viability caused by ammonium are more severe after exposure at the cleavage stages. <i>Biology of Reproduction</i> , 2006 , 74, 288-94	3.9	95
130	Epigenetic risks related to assisted reproductive technologies: short- and long-term consequences for the health of children conceived through assisted reproduction technology: more reason for caution?. <i>Human Reproduction</i> , 2002 , 17, 2783-6	5.7	94
129	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, 313-9	3.8	91
128	Sperm DNA damage is associated with assisted reproductive technology pregnancy. <i>Journal of Developmental and Physical Disabilities</i> , 2008 , 31, 518-26		86
127	Requirement for glucose during in vitro culture of sheep preimplantation embryos. <i>Molecular Reproduction and Development</i> , 1992 , 31, 253-7	2.6	85
126	Improvement in sperm DNA quality using an oral antioxidant therapy. <i>Reproductive BioMedicine Online</i> , 2009 , 18, 761-8	4	76
125	Oxygen consumption and ROS production are increased at the time of fertilization and cell cleavage in bovine zygotes. <i>Human Reproduction</i> , 2010 , 25, 2762-73	5.7	73
124	Oxygen concentration during mouse oocyte in vitro maturation affects embryo and fetal development. <i>Human Reproduction</i> , 2007 , 22, 2768-75	5.7	70

123	Effect of culturing mouse embryos under different oxygen concentrations on subsequent fetal and placental development. <i>Journal of Physiology</i> , 2006 , 572, 87-96	3.9	70
122	Defining the requirements for bovine embryo culture. <i>Theriogenology</i> , 1996 , 45, 27-40	2.8	69
121	Effect of inhibitors and uncouplers of oxidative phosphorylation during compaction and blastulation of bovine embryos cultured in vitro. <i>Reproduction</i> , 2000 , 47-55	3.8	69
120	Utilization of endogenous fatty acid stores for energy production in bovine preimplantation embryos. <i>Theriogenology</i> , 2012 , 77, 1632-41	2.8	68
119	Development of the NBT assay as a marker of sperm oxidative stress. <i>Journal of Developmental and Physical Disabilities</i> , 2010 , 33, 13-21		66
118	Oxygen-regulated expression of GLUT-1, GLUT-3, and VEGF in the mouse blastocyst. <i>Molecular Reproduction and Development</i> , 2005 , 70, 37-44	2.6	66
117	Disruption of mitochondrial malate-aspartate shuttle activity in mouse blastocysts impairs viability and fetal growth. <i>Biology of Reproduction</i> , 2009 , 80, 295-301	3.9	61
116	Total protein content and protein synthesis within pre-elongation stage bovine embryos. <i>Molecular Reproduction and Development</i> , 1998 , 50, 139-45	2.6	61
115	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, 1536-45	5.7	58
114	Glucose utilization by sheep embryos derived in vivo and in vitro. <i>Reproduction, Fertility and Development</i> , 1991 , 3, 571-6	1.8	58
113	Influence of hyaluronic acid synthesis and cumulus mucification on bovine oocyte in vitro maturation, fertilisation and embryo development. <i>Reproduction, Fertility and Development</i> , 2007 , 19, 488-97	1.8	57
112	Regulation of sheep oocyte maturation using cAMP modulators. <i>Theriogenology</i> , 2013 , 79, 142-8	2.8	55
111	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, 810-21	5.7	54
110	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	3.8	53
109	Developmental ability of in vitro matured sheep oocytes collected during the nonbreeding season and fertilized in vitro with frozen ram semen. <i>Theriogenology</i> , 1991 , 36, 771-8	2.8	53
108	Prematuration with cyclic adenosine monophosphate modulators alters cumulus cell and oocyte metabolism and enhances developmental competence of in vitro-matured mouse oocytes. <i>Biology of Reproduction</i> , 2014 , 91, 47	3.9	52
107	The definition of IVM is clear-variations need defining. <i>Human Reproduction</i> , 2016 , 31, 2411-2415	5.7	51
106	Embryo culture and long-term consequences. <i>Reproduction, Fertility and Development</i> , 2007 , 19, 43-52	1.8	50

105	Peri-conceptual cytokines--setting the trajectory for embryo implantation, pregnancy and beyond. <i>American Journal of Reproductive Immunology</i> , 2011 , 66 Suppl 1, 2-10	3.8	49
104	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	4.4	48
103	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, 422-35	2.6	48
102	Stress response genes are suppressed in mouse preimplantation embryos by granulocyte-macrophage colony-stimulating factor (GM-CSF). <i>Human Reproduction</i> , 2009 , 24, 2997-3009	5.7	48
101	Mathematical modelling of oxygen concentration in bovine and murine cumulus-oocyte complexes. <i>Reproduction</i> , 2006 , 131, 999-1006	3.8	46
100	Nonesterified Fatty Acid-Induced Endoplasmic Reticulum Stress in Cattle Cumulus Oocyte Complexes Alters Cell Metabolism and Developmental Competence. <i>Biology of Reproduction</i> , 2016 , 94, 23	3.9	42
99	Exogenous protein affects developmental competence and metabolic activity of bovine pre-implantation embryos in vitro. <i>Reproduction, Fertility and Development</i> , 1998 , 10, 327-32	1.8	42
98	Mode of oocyte maturation affects EGF-like peptide function and oocyte competence. <i>Molecular Human Reproduction</i> , 2013 , 19, 500-9	4.4	41
97	Promotion of EGF receptor signaling improves the quality of low developmental competence oocytes. <i>Developmental Biology</i> , 2015 , 403, 139-49	3.1	41
96	In vitro maturation of Mammalian oocytes: outcomes and consequences. <i>Seminars in Reproductive Medicine</i> , 2008 , 26, 162-74	1.4	41
95	Glucosamine supplementation during in vitro maturation inhibits subsequent embryo development: possible role of the hexosamine pathway as a regulator of developmental competence. <i>Biology of Reproduction</i> , 2006 , 74, 881-8	3.9	41
94	Quantitative non-invasive cell characterisation and discrimination based on multispectral autofluorescence features. <i>Scientific Reports</i> , 2016 , 6, 23453	4.9	39
93	Temporal effects of exogenous oocyte-secreted factors on bovine oocyte developmental competence during IVM. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 576-84	1.8	39
92	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, 407-15	1.8	39
91	Inhibitors of mitochondrial ATP production at the time of compaction improve development of in vitro produced porcine embryos. <i>Molecular Reproduction and Development</i> , 2001 , 58, 39-44	2.6	38
90	Effects of differing oocyte-secreted factors during mouse in vitro maturation on subsequent embryo and fetal development. <i>Journal of Assisted Reproduction and Genetics</i> , 2014 , 31, 295-306	3.4	37
89	The effect of glucosamine concentration on the development and sex ratio of bovine embryos. <i>Animal Reproduction Science</i> , 2008 , 103, 228-38	2.1	36
88	Boronate probes for the detection of hydrogen peroxide release from human spermatozoa. <i>Free Radical Biology and Medicine</i> , 2015 , 81, 69-76	7.8	35

87	Hormonally regulated follicle differentiation and luteinization in the mouse is associated with hypoxia inducible factor activity. <i>Molecular and Cellular Endocrinology</i> , 2010 , 327, 47-55	4.4	34
86	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, 281-94	2.6	33
85	The Ovarian Antral Follicle: Living on the Edge of Hypoxia or Not?. <i>Biology of Reproduction</i> , 2015 , 92, 153	3.9	33
84	Differential expression of oxygen-regulated genes in bovine blastocysts. <i>Molecular Reproduction and Development</i> , 2007 , 74, 290-9	2.6	33
83	Metabolism of pyruvate by pre-elongation sheep embryos and effect of pyruvate and lactate concentrations during culture in vitro. <i>Reproduction, Fertility and Development</i> , 1993 , 5, 417-23	1.8	32
82	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	15.8	30
81	Failure to launch: aberrant cumulus gene expression during oocyte in vitro maturation. <i>Reproduction</i> , 2017 , 153, R109-R120	3.8	29
80	A Dual Sensor for pH and Hydrogen Peroxide Using Polymer-Coated Optical Fibre Tips. <i>Sensors</i> , 2015 , 15, 31904-13	3.8	29
79	Complex interactions between hypoxia inducible factors, insulin-like growth factor-II and oxygen in early murine trophoblasts. <i>Placenta</i> , 2007 , 28, 1147-57	3.4	29
78	Regulation of gene expression in bovine blastocysts in response to oxygen and the iron chelator desferrioxamine. <i>Biology of Reproduction</i> , 2007 , 77, 93-101	3.9	29
77	Bone morphogenetic protein 15 in the pro-mature complex form enhances bovine oocyte developmental competence. <i>PLoS ONE</i> , 2014 , 9, e103563	3.7	28
76	Effect of epidermal growth factor-like peptides on the metabolism of in vitro- matured mouse oocytes and cumulus cells. <i>Biology of Reproduction</i> , 2014 , 90, 49	3.9	28
75	Metabolic differences in bovine cumulus-oocyte complexes matured in vitro in the presence or absence of follicle-stimulating hormone and bone morphogenetic protein 15. <i>Biology of Reproduction</i> , 2012 , 87, 87	3.9	28
74	Phenotypes of the ovarian follicular basal lamina predict developmental competence of oocytes. <i>Human Reproduction</i> , 2009 , 24, 936-44	5.7	28
73	The application of progesterone-containing CIRDL devices to superovulated ewes. <i>Theriogenology</i> , 1990 , 33, 1297-1304	2.8	28
72	Female tract cytokines and developmental programming in embryos. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 843, 173-213	3.6	27
71	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, 390-8	2.8	27
70	Microstructured optical fibers and live cells: a water-soluble, photochromic zinc sensor. <i>Biomacromolecules</i> , 2013 , 14, 3376-9	6.9	27

69	Microarray analysis of mRNA from cumulus cells following in vivo or in vitro maturation of mouse cumulus-oocyte complexes. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 426-38	1.8	27
68	Recombinant human follicle-stimulating hormone alters maternal ovarian hormone concentrations and the uterus and perturbs fetal development in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 291, E761-70	6	27
67	Maternal factors and the risk of birth defects after IVF and ICSI: a whole of population cohort study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2017 , 124, 1537-1544	3.7	25
66	The impact of nutrition of the cumulus oocyte complex and embryo on subsequent development in ruminants. <i>Journal of Reproduction and Development</i> , 2006 , 52, 169-75	2.1	25
65	Biological hydrogen peroxide detection with aryl boronate and benzil BODIPY-based fluorescent probes. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 750-757	8.5	24
64	Alterations in mouse embryo intracellular pH by DMO during culture impair implantation and fetal growth. <i>Reproductive BioMedicine Online</i> , 2010 , 21, 219-29	4	24
63	Effects of recombinant human follicle-stimulating hormone on embryo development in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 288, E845-51	6	24
62	Addition of superoxide dismutase and catalase does not necessarily overcome developmental retardation of one-cell mouse embryos during in-vitro culture. <i>Reproduction, Fertility and Development</i> , 1992 , 4, 167-74	1.8	24
61	Glucose deprivation, oxidative stress and peroxisome proliferator-activated receptor-alpha (PPARA) cause peroxisome proliferation in preimplantation mouse embryos. <i>Reproduction</i> , 2009 , 138, 493-505	3.8	23
60	Gray level Co-occurrence Matrices (GLCM) to assess microstructural and textural changes in pre-implantation embryos. <i>Molecular Reproduction and Development</i> , 2016 , 83, 701-13	2.6	22
59	Dioxin affects glucose transport via the arylhydrocarbon receptor signal cascade in pluripotent embryonic carcinoma cells. <i>Endocrinology</i> , 2007 , 148, 5902-12	4.8	22
58	Glycolytic pathway activity: effect on IVM and oxidative metabolism of bovine oocytes. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 1026-35	1.8	21
57	Effect of 2,4-dinitrophenol on the energy metabolism of cattle embryos produced by in vitro fertilization and culture. <i>Reproduction, Fertility and Development</i> , 2002 , 14, 339-43	1.8	21
56	In vitro development of early sheep embryos is superior in medium supplemented with human serum compared with sheep serum or human serum albumin. <i>Animal Reproduction Science</i> , 1992 , 29, 61-68	2.1	21
55	Hemoglobin: a gas transport molecule that is hormonally regulated in the ovarian follicle in mice and humans. <i>Biology of Reproduction</i> , 2015 , 92, 26	3.9	20
54	Periconception onset diabetes is associated with embryopathy and fetal growth retardation, reproductive tract hyperglycosylation and impaired immune adaptation to pregnancy. <i>Scientific Reports</i> , 2018 , 8, 2114	4.9	20
53	Effect of pre-maturation with C-type natriuretic peptide and 3-isobutyl-1-methylxanthine on cumulus-oocyte communication and oocyte developmental competence in cattle. <i>Animal Reproduction Science</i> , 2019 , 202, 49-57	2.1	19
52	Measuring embryo metabolism to predict embryo quality. <i>Reproduction, Fertility and Development</i> , 2016 , 28, 41-50	1.8	19

51	Monomethyl fumarate inhibits pain behaviors and amygdala activity in a rat arthritis model. <i>Pain</i> , 2017 , 158, 2376-2385	8	18
50	Hyperspectral microscopy can detect metabolic heterogeneity within bovine post-compaction embryos incubated under two oxygen concentrations (7% versus 20%). <i>Human Reproduction</i> , 2017 , 32, 2016-2025	5.7	18
49	Culture without the petri-dish. <i>Theriogenology</i> , 2007 , 67, 16-20	2.8	18
48	Super-multiplexed fluorescence microscopy via photostability contrast. <i>Biomedical Optics Express</i> , 2018 , 9, 2943-2954	3.5	17
47	Molecular filtration properties of the mouse expanded cumulus matrix: controlled supply of metabolites and extracellular signals to cumulus cells and the oocyte. <i>Biology of Reproduction</i> , 2012 , 87, 89	3.9	17
46	Development of sheep preimplantation embryos in media supplemented with glucose and acetate. <i>Theriogenology</i> , 1989 , 32, 323-30	2.8	16
45	Rationally Designed Probe for Reversible Sensing of Zinc and Application in Cells. <i>ACS Omega</i> , 2017 , 2, 6201-6210	3.9	15
44	The effects of 2,4-dinitrophenol and d-glucose concentration on the development, sex ratio, and interferon-tau (IFNT) production of bovine blastocysts. <i>Molecular Reproduction and Development</i> , 2016 , 83, 50-60	2.6	14
43	Mechanisms contributing to the reduced developmental competence of glucosamine-exposed mouse oocytes. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 771-9	1.8	13
42	Effect of the oxidative phosphorylation uncoupler 2,4-dinitrophenol on hypoxia-inducible factor-regulated gene expression in bovine blastocysts. <i>Reproduction, Fertility and Development</i> , 2004 , 16, 665-73	1.8	13
41	Biphasic in vitro maturation with C-type natriuretic peptide enhances the developmental competence of juvenile-goat oocytes. <i>PLoS ONE</i> , 2019 , 14, e0221663	3.7	12
40	Hyperglycaemia and lipid differentially impair mouse oocyte developmental competence. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 583-92	1.8	12
39	Altered pregnancy outcomes in mice following treatment with the hyperglycaemia mimetic, glucosamine, during the periconception period. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 405-16	1.8	12
38	Estimation of glucose uptake by ovarian follicular cells. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 2654-67	4.7	12
37	Oxygen-regulated gene expression in murine cumulus cells. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 407-18	1.8	11
36	Donor and recipient ewe factors affecting in vitro development and post-transfer survival of cultured sheep embryos. <i>Animal Reproduction Science</i> , 1995 , 40, 269-279	2.1	11
35	Development of Bright and Biocompatible Nanoruby and Its Application to Background-Free Time-Gated Imaging of G-Protein-Coupled Receptors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39197-39208	9.5	10
34	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	4.8	10

33	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	2.6	10
32	Mathematical modeling of glucose supply toward successful in vitro maturation of Mammalian oocytes. <i>Tissue Engineering - Part A</i> , 2008 , 14, 1539-47	3.9	10
31	Urokinase-type plasminogen activator (uPA) and matrix metalloproteinase-9 (MMP-9) expression and activity during early embryo development in the cow. <i>Anatomy and Embryology</i> , 2001 , 204, 477-83		10
30	Pentose phosphate pathway activity: effect on in vitro maturation and oxidative status of bovine oocytes. <i>Reproduction, Fertility and Development</i> , 2014 , 26, 931-42	1.8	9
29	Current status and future trends of the clinical practice of human oocyte in vitro maturation	186-198	9
28	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; author reply e142	4.8	7
27	Oxygen consumption by Day 7 bovine blastocysts: determination of ATP production. <i>Animal Reproduction Science</i> , 1996 , 43, 241-247	2.1	7
26	Implications of glycolytic and pentose phosphate pathways on the oxidative status and active mitochondria of the porcine oocyte during IVM. <i>Theriogenology</i> , 2016 , 86, 2096-2106	2.8	7
25	The effect of streptozotocin-induced hyperglycemia on N-and O-linked protein glycosylation in mouse ovary. <i>Glycobiology</i> , 2018 , 28, 832-840	5.8	7
24	The temporal relationship between oocyte maturation and early fertilisation events in relation to the pre-ovulatory LH peak and preimplantation embryo development in red deer (<i>Cervus elaphus</i>). <i>Animal Reproduction Science</i> , 2008 , 105, 332-43	2.1	6
23	Birthweight and the effects of culture media. <i>Human Reproduction</i> , 2017 , 32, 717-718	5.7	6
22	A study relating the composition of follicular fluid and blood plasma from individual Holstein dairy cows to the in vitro developmental competence of pooled abattoir-derived oocytes. <i>Theriogenology</i> , 2014 , 82, 95-103	2.8	5
21	Adaptive Responses of Early Embryos to Their Microenvironment and Consequences for Post-Implantation Development		5
20	Partitioning of glucose carbon in post-compaction ovine embryos. <i>Animal Reproduction Science</i> , 1995 , 38, 119-126	2.1	5
19	Optical imaging of cleavage stage bovine embryos using hyperspectral and confocal approaches reveals metabolic differences between on-time and fast-developing embryos. <i>Theriogenology</i> , 2021 , 159, 60-68	2.8	5
18	HYPOXIA AND REPRODUCTIVE HEALTH: Hypoxia and ovarian function: follicle development, ovulation, oocyte maturation. <i>Reproduction</i> , 2021 , 161, F33-F40	3.8	5
17	Hemoglobin: potential roles in the oocyte and early embryo	<i>Biology of Reproduction</i> , 2019 , 101, 262-270	3.9 4
16	Localised hydrogen peroxide sensing for reproductive health	2015 ,	3

15	Air embolism following peripheral intravenous access. <i>Baylor University Medical Center Proceedings</i> , 2019 , 32, 433-434	0.6	3
14	Improving oocyte maturation in vitro 212-223		3
13	A biophotonic approach to measure pH in small volumes in vitro: Quantifiable differences in metabolic flux around the cumulus-oocyte-complex (COC). <i>Journal of Biophotonics</i> , 2020 , 13, e201960038	3.1	3
12	A mixed bag: a perspective on the regulation of IVF in Australia. <i>Human Fertility</i> , 2005 , 8, 69-70	1.9	2
11	Conditions to optimise the developmental competence of immature equine oocytes. <i>Reproduction, Fertility and Development</i> , 2020 , 32, 1012-1021	1.8	2
10	Effect of oxygen and glucose availability during in vitro maturation of bovine oocytes on development and gene expression. <i>Journal of Assisted Reproduction and Genetics</i> , 2021 , 38, 1349-1362	3.4	2
9	A New Window into Ovarian Follicle Development. <i>Biology of Reproduction</i> , 2016 , 95, 136	3.9	1
8	The difference in pregnancy rates between elective single embryo transfer (SET) compared to double embryo transfer is dependent on the implantation rates of embryos being transferred. Using mathematical modeling to determine when SET becomes a viable option. <i>Human Reproduction</i> , 2006 , 21, 2195, author reply 2195-6	5.7	1
7	In vivo survival of transferred sheep embryos following puncture of the zona pellucida and in vitro culture. <i>Animal Reproduction Science</i> , 1994 , 35, 81-89	2.1	1
6	Maternal Interleukin-10 Deficiency Increases Sensitivity to Adverse Programming Effects of a Low Dose LPS Insult in the Pre-Implantation Period.. <i>Biology of Reproduction</i> , 2011 , 85, 183-183	3.9	1
5	Dysregulation of bisphosphoglycerate mutase during in vitro maturation of oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , 2021 , 38, 1363-1372	3.4	0
4	Microfluidics and Microanalytics to Facilitate Quantitative Assessment of Human Embryo Physiology 2019 , 557-566		
3	Growthfactors and cytokines in embryo development 112-131		
2	Oocyte-Secreted Factors in Domestic Animals 2013 , 55-70		
1	Time-lapse confocal imaging-induced calcium ion discharge from the cumulus-oocyte complex at the time of cattle oocyte activation. <i>Reproduction, Fertility and Development</i> , 2020 , 32, 1223-1238	1.8	