Jeremy Ge Thompson

List of Publications by Year
in descending order

164	11,363	23544 58	31818 101
papers	citations	h-index	g-index

168	168	168	6747
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oocyte-secreted factors: regulators of cumulus cell function and oocyte quality. Human Reproduction Update, 2008, 14, 159-177.	5.2	796
2	Lamb Birth Weight is Affected by Culture System Utilized during in Vitro Pre-Elongation Development of Ovine Embryos. Biology of Reproduction, 1995, 53, 1385-1391.	1.2	388
3	The pivotal role of glucose metabolism in determining oocyte developmental competence. Reproduction, 2010, 139, 685-695.	1.1	381
4	Effects of in-vivo and in-vitro environments on the metabolism of the cumulus-oocyte complex and its influence on oocyte developmental capacity. Human Reproduction Update, 2003, 9, 35-48.	5.2	333
5	Beta-Oxidation Is Essential for Mouse Oocyte Developmental Competence and Early Embryo Development1. Biology of Reproduction, 2010, 83, 909-918.	1.2	324
6	Oxygen consumption and energy metabolism of the early mouse embryo. Molecular Reproduction and Development, 1996, 44, 476-485.	1.0	307
7	Oocyte-secreted factors enhance oocyte developmental competence. Developmental Biology, 2006, 296, 514-521.	0.9	303
8	Oocytes prevent cumulus cell apoptosis by maintaining a morphogenic paracrine gradient of bone morphogenetic proteins. Journal of Cell Science, 2005, 118, 5257-5268.	1.2	296
9	Oocyte maturation: Emerging concepts and technologies to improve developmental potential in vitro. Theriogenology, 2007, 67, 6-15.	0.9	284
10	REDOX regulation of early embryo development. Reproduction, 2002, 123, 479-486.	1.1	282
11	Effect of oxygen concentration on in-vitro development of preimplantation sheep and cattle embryos. Reproduction, 1990, 89, 573-578.	1.1	274
12	Simulated physiological oocyte maturation (SPOM): a novel in vitro maturation system that substantially improves embryo yield and pregnancy outcomes. Human Reproduction, 2010, 25, 2999-3011.	0.4	240
13	Beyond oxygen: complex regulation and activity of hypoxia inducible factors in pregnancy. Human Reproduction Update, 2010, 16, 415-431.	5.2	206
14	A randomised control trial examining the effect of an antioxidant (Menevit) on pregnancy outcome during IVF-ICSI treatment. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2007, 47, 216-221.	0.4	169
15	Bidirectional communication between cumulus cells and the oocyte: Old hands and new players?. Theriogenology, 2016, 86, 62-68.	0.9	163
16	Oxygen-Regulated Gene Expression in Bovine Blastocysts1. Biology of Reproduction, 2004, 71, 1108-1119.	1.2	156
17	Comparison between in vivo-derived and in vitro-produced pre-elongation embryos from domestic ruminants. Reproduction, Fertility and Development, 1997, 9, 341.	0.1	151
18	Effect of glutathione synthesis stimulation during in vitro maturation of ovine oocytes on embryo development and intracellular peroxide content. Theriogenology, 2002, 57, 1443-1451.	0.9	148

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19	The Promise of in Vitro Maturation in Assisted Reproduction and Fertility Preservation. Seminars in Reproductive Medicine, 2011, 29, 024-037.	0.5	141
20	Human assisted conception: a cautionary tale. Lessons from domestic animals. Human Reproduction, 1998, 13, 184-202.	0.4	137
21	Oocyte-Secreted Factor Activation of SMAD 2/3 Signaling Enables Initiation of Mouse Cumulus Cell Expansion1. Biology of Reproduction, 2007, 76, 848-857.	1.2	134
22	Exogenous growth differentiation factor 9 in oocyte maturation media enhances subsequent embryo development and fetal viability in mice. Human Reproduction, 2007, 23, 67-73.	0.4	132
23	Maternal supply of omega-3 polyunsaturated fatty acids alter mechanisms involved in oocyte and early embryo development in the mouse. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E425-E434.	1.8	132
24	Metabolic co-dependence of the oocyte and cumulus cells: essential role in determining oocyte developmental competence. Human Reproduction Update, 2021, 27, 27-47.	5.2	131
25	In vitro culture and embryo metabolism of cattle and sheep embryos â€" a decade of achievement. Animal Reproduction Science, 2000, 60-61, 263-275.	0.5	129
26	Bovine embryo culture in vitro: new developments and post-transfer consequences. Human Reproduction, 2000, 15, 59-67.	0.4	125
27	Effect of Specific Phosphodiesterase Isoenzyme Inhibitors During In Vitro Maturation of Bovine Oocytes on Meiotic and Developmental Capacity1. Biology of Reproduction, 2004, 71, 1142-1149.	1.2	113
28	Effect of delayed supplementation of fetal calf serum to culture medium on bovine embryo development in vitro and following transfer. Theriogenology, 1998, 49, 1239-1249.	0.9	111
29	Requirement for glucose during in vitro culture of sheep preimplantation embryos. Molecular Reproduction and Development, 1992, 31, 253-257.	1.0	104
30	Perturbations in Mouse Embryo Development and Viability Caused by Ammonium Are More Severe after Exposure at the Cleavage Stages1. Biology of Reproduction, 2006, 74, 288-294.	1.2	104
31	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?. Human Reproduction, 2002, 17, 2783-2786.	0.4	103
32	Effect of inhibitors and uncouplers of oxidative phosphorylation during compaction and blastulation of bovine embryos cultured in vitro. Reproduction, 2000, , 47-55.	1.1	102
33	Cumulus expansion and glucose utilisation by bovine cumulusâ€"oocyte complexes during in vitro maturation: the influence of glucosamine and follicle-stimulating hormone. Reproduction, 2004, 128, 313-319.	1.1	101
34	Improvement in sperm DNA quality using an oral antioxidant therapy. Reproductive BioMedicine Online, 2009, 18, 761-768.	1.1	99
35	Utilization of endogenous fatty acid stores for energy production in bovine preimplantation embryos. Theriogenology, 2012, 77, 1632-1641.	0.9	93
36	Sperm DNA damage is associated with assisted reproductive technology pregnancy. Journal of Developmental and Physical Disabilities, 2008, 31, 518-526.	3.6	91

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37	Oxygen consumption and ROS production are increased at the time of fertilization and cell cleavage in bovine zygotes. Human Reproduction, 2010, 25, 2762-2773.	0.4	90
38	Oxygen concentration during mouse oocyte in vitro maturation affects embryo and fetal development. Human Reproduction, 2007, 22, 2768-2775.	0.4	86
39	Defining the requirements for bovine embryo culture. Theriogenology, 1996, 45, 27-40.	0.9	82
40	The definition of IVM is clearâ€"variations need defining. Human Reproduction, 2016, 31, 2411-2415.	0.4	81
41	Periâ€Conceptual Cytokines â€“ Setting the Trajectory for Embryo Implantation, Pregnancy and Beyond. American Journal of Reproductive Immunology, 2011, 66, 2-10.	1.2	79
42	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 cumulusâ€“oocyte complexes. Reproduction, 2013, 146, 27-35.	1.1	78
43	Extending prematuration with cAMP modulators enhances the cumulus contribution to oocyte antioxidant defence and oocyte quality via gap junctions. Human Reproduction, 2016, 31, 810-821.	0.4	78
44	Oxygen-regulated expression ofGLUT-1,GLUT-3, andVEGF in the mouse blastocyst. Molecular Reproduction and Development, 2005, 70, 37-44.	1.0	77
45	Effect of culturing mouse embryos under different oxygen concentrations on subsequent fetal and placental development. Journal of Physiology, 2006, 572, 87-96.	1.3	77
46	Development of the NBT assay as a marker of sperm oxidative stress. Journal of Developmental and Physical Disabilities, 2010, 33, 13-21.	3.6	75
47	Regulation of sheep oocyte maturation using cAMP modulators. Theriogenology, 2013, 79, 142-148.	0.9	74
48	Heparin and cAMP modulators interact during pre-in vitro maturation to affect mouse and human oocyte meiosis and developmental competence. Human Reproduction, 2013, 28, 1536-1545.	0.4	73
49	Quantitative non-invasive cell characterisation and discrimination based on multispectral autofluorescence features. Scientific Reports, 2016, 6, 23453.	1.6	73
50	Total protein content and protein synthesis within pre-elongation stage bovine embryos. Molecular Reproduction and Development, 1998, 50, 139-145.	1.0	68
51	Disruption of Mitochondrial Malate-Aspartate Shuttle Activity in Mouse Blastocysts Impairs Viability and Fetal Growth1. Biology of Reproduction, 2009, 80, 295-301.	1.2	67
52	Glucose utilization by sheep embryos derived in vivo and in vitro. Reproduction, Fertility and Development, 1991, 3, 571.	0.1	66
53	Influence of hyaluronic acid synthesis and cumulus mucification on bovine oocyte in vitro maturation, fertilisation and embryo development. Reproduction, Fertility and Development, 2007, 19, 488.	0.1	66
54	Nonesterified Fatty Acid-Induced Endoplasmic Reticulum Stress in Cattle Cumulus Oocyte Complexes Alters Cell Metabolism and Developmental Competence1. Biology of Reproduction, 2016, 94, 23.	1.2	66

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55	Embryo culture and long-term consequences. Reproduction, Fertility and Development, 2007, 19, 43.	0.1	64
56	Prematuration with Cyclic Adenosine Monophosphate Modulators Alters Cumulus Cell and Oocyte Metabolism and Enhances Developmental Competence of In Vitro-Matured Mouse Oocytes1. Biology of Reproduction, 2014, 91, 47.	1.2	64
57	Amphiregulin co-operates with bone morphogenetic protein 15 to increase bovine oocyte developmental competence: effects on gap junction-mediated metabolite supply. Molecular Human Reproduction, 2014, 20, 499-513.	1.3	62
58	Preâ€maturation with cAMP modulators in conjunction with EGFâ€like peptides during in vitro maturation enhances mouse oocyte developmental competence. Molecular Reproduction and Development, 2014, 81, 422-435.	1.0	61
59	The Ovarian Antral Follicle: Living on the Edge of Hypoxia or Not?1. Biology of Reproduction, 2015, 92, 153.	1.2	61
60	Mathematical modelling of oxygen concentration in bovine and murine cumulusâ€“oocyte complexes. Reproduction, 2006, 131, 999-1006.	1.1	60
61	Promotion of EGF receptor signaling improves the quality of low developmental competence oocytes. Developmental Biology, 2015, 403, 139-149.	0.9	58
62	Stress response genes are suppressed in mouse preimplantation embryos by granulocyte-macrophage colony-stimulating factor (GM-CSF). Human Reproduction, 2009, 24, 2997-3009.	0.4	56
63	Developmental ability of in vitro matured sheep oocytes collected during the nonbreeding season and fertilized in vitro with frozen ram semen. Theriogenology, 1991, 36, 771-778.	0.9	55
64	Mode of oocyte maturation affects EGF-like peptide function and oocyte competence. Molecular Human Reproduction, 2013, 19, 500-509.	1.3	52
65	Effect of hexoses and gonadotrophin supplementation on bovine oocyte nuclear maturation during in vitro maturation in a synthetic follicle fluid medium. Reproduction, Fertility and Development, 2005, 17, 407.	0.1	47
66	Fibroblast growth factor 17 and bone morphogenetic protein 15 enhance cumulus expansion and improve quality of inÂvitro â€“produced embryos in cattle. Theriogenology, 2015, 84, 390-398.	0.9	47
67	Effects of differing oocyte-secreted factors during mouse in vitro maturation on subsequent embryo and fetal development. Journal of Assisted Reproduction and Genetics, 2014, 31, 295-306.	1.2	46
68	Bone Morphogenetic Protein 15 in the Pro-Mature Complex Form Enhances Bovine Oocyte Developmental Competence. PLoS ONE, 2014, 9, e103563.	1.1	45
69	Exogenous protein affects developmental competence and metabolic activity of bovine pre-implantation embryos in vitro. Reproduction, Fertility and Development, 1998, 10, 327.	0.1	45
70	In Vitro Maturation of Mammalian Oocytes: Outcomes and Consequences. Seminars in Reproductive Medicine, 2008, 26, 162-174.	0.5	44
71	Glucosamine Supplementation During In Vitro Maturation Inhibits Subsequent Embryo Development: Possible Role of the Hexosamine Pathway as a Regulator of Developmental Competence1. Biology of Reproduction, 2006, 74, 881-888.	1.2	43
72	The effect of glucosamine concentration on the development and sex ratio of bovine embryos. Animal Reproduction Science, 2008, 103, 228-238.	0.5	43

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73	Hormonally regulated follicle differentiation and luteinization in the mouse is associated with hypoxia inducible factor activity. Molecular and Cellular Endocrinology, 2010, 327, 47-55.	1.6	42
74	Failure to launch: aberrant cumulus gene expression during oocyte in vitro maturation. Reproduction, 2017, 153, R109-R120.	1.1	42
75	Inhibitors of mitochondrial ATP production at the time of compaction improve development of in vitro produced porcine embryos. Molecular Reproduction and Development, 2001, 58, 39-44.	1.0	41
76	Temporal effects of exogenous oocyte-secreted factors on bovine oocyte developmental competence during IVM. Reproduction, Fertility and Development, 2011, 23, 576.	0.1	41
77	Metabolism of pyruvate by pre-elongation sheep embryos and effect of pyruvate and lactate concentrations during culture in vitro. Reproduction, Fertility and Development, 1993, 5, 417.	0.1	40
78	Redox and antiâ€oxidant state within cattle oocytes following in vitro maturation with bone morphogenetic protein 15 and follicle stimulating hormone. Molecular Reproduction and Development, 2015, 82, 281-294.	1.0	40
79	Effect of Epidermal Growth Factor-Like Peptides on the Metabolism of In Vitro- Matured Mouse Oocytes and Cumulus Cells1. Biology of Reproduction, 2014, 90, 49.	1.2	39
80	Boronate probes for the detection of hydrogen peroxide release from human spermatozoa. Free Radical Biology and Medicine, 2015, 81, 69-76.	1.3	39
81	The application of progesterone-containing CIRDâ„¢ devices to superovulated ewes. Theriogenology, 1990, 33, 1297-1304.	0.9	38
82	Alterations in mouse embryo intracellular pH by DMO during culture impair implantation and fetal growth. Reproductive BioMedicine Online, 2010, 21, 219-229.	1.1	38
83	Metabolic Differences in Bovine Cumulus-Oocyte Complexes Matured In Vitro in the Presence or Absence of Follicle-Stimulating Hormone and Bone Morphogenetic Protein 151. Biology of Reproduction, 2012, 87, 87.	1.2	38
84	Differential expression of oxygen-regulated genes in bovine blastocysts. Molecular Reproduction and Development, 2007, 74, 290-299.	1.0	37
85	Phenotypes of the ovarian follicular basal lamina predict developmental competence of oocytes. Human Reproduction, 2008, 24, 936-944.	0.4	37
86	A Dual Sensor for pH and Hydrogen Peroxide Using Polymer-Coated Optical Fibre Tips. Sensors, 2015, 15, 31904-31913.	2.1	37
87	Complex Interactions Between Hypoxia Inducible Factors, Insulin-Like Growth Factor-II and Oxygen in Early Murine Trophoblasts. Placenta, 2007, 28, 1147-1157.	0.7	36
88	Maternal factors and the risk of birth defects after IVF and ICSI: a whole of population cohort study. BJOG: an International Journal of Obstetrics and Gynaecology, 2017, 124, 1537-1544.	1.1	35
89	Biological hydrogen peroxide detection with aryl boronate and benzil BODIPY-based fluorescent probes. Sensors and Actuators B: Chemical, 2018, 262, 750-757.	4.0	35
90	Measuring embryo metabolism to predict embryo quality. Reproduction, Fertility and Development, 2016, 28, 41.	0.1	34

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91	HYPOXIA AND REPRODUCTIVE HEALTH: Hypoxia and ovarian function: follicle development, ovulation, oocyte maturation. Reproduction, 2021, 161, F33-F40.	1.1	34
92	Hyperspectral microscopy can detect metabolic heterogeneity within bovine post-compaction embryos incubated under two oxygen concentrations (7% versus 20%). Human Reproduction, 2017, 32, 2016-2025.	0.4	33
93	Effects of recombinant human follicle-stimulating hormone on embryo development in mice. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E845-E851.	1.8	32
94	The Impact of Nutrition of the Cumulus Oocyte Complex and Embryo on Subsequent Development in Ruminants. Journal of Reproduction and Development, 2006, 52, 169-175.	0.5	32
95	Microarray analysis of mRNA from cumulus cells following in vivo or in vitro maturation of mouse cumulusâ€“oocyte complexes. Reproduction, Fertility and Development, 2013, 25, 426.	0.1	31
96	Hemoglobin: a Gas Transport Molecule That Is Hormonally Regulated in the Ovarian Follicle in Mice and Humans1. Biology of Reproduction, 2015, 92, 26.	1.2	31
97	Regulation of Gene Expression in Bovine Blastocysts in Response to Oxygen and the Iron Chelator Desferrioxamine1. Biology of Reproduction, 2007, 77, 93-101.	1.2	30
98	Microstructured Optical Fibers and Live Cells: A Water-Soluble, Photochromic Zinc Sensor. Biomacromolecules, 2013, 14, 3376-3379.	2.6	30
99	Periconception onset diabetes is associated with embryopathy and fetal growth retardation, reproductive tract hyperglycosylation and impaired immune adaptation to pregnancy. Scientific Reports, 2018, 8, 2114.	1.6	30
100	Recombinant human follicle-stimulating hormone alters maternal ovarian hormone concentrations and the uterus and perturbs fetal development in mice. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E761-E770.	1.8	29
101	Female Tract Cytokines and Developmental Programming in Embryos. Advances in Experimental Medicine and Biology, 2015, 843, 173-213.	0.8	29
102	Gray level Coâ€•occurrence Matrices (GLCM) to assess microstructural and textural changes in preâ€•implantation embryos. Molecular Reproduction and Development, 2016, 83, 701-713.	1.0	29
103	Dioxin Affects Glucose Transport via the Arylhydrocarbon Receptor Signal Cascade in Pluripotent Embryonic Carcinoma Cells. Endocrinology, 2007, 148, 5902-5912.	1.4	28
104	Addition of superoxide dismutase and catalase does not necessarily overcome developmental retardation of one-cell mouse embryos during in-vitro culture. Reproduction, Fertility and Development, 1992, 4, 167.	0.1	27
105	Super-multiplexed fluorescence microscopy via photostability contrast. Biomedical Optics Express, 2018, 9, 2943.	1.5	27
106	Effect of pre-maturation with C-type natriuretic peptide and 3-isobutyl-1-methylxanthine on cumulus-oocyte communication and oocyte developmental competence in cattle. Animal Reproduction Science, 2019, 202, 49-57.	0.5	27
107	Glycolytic pathway activity: effect on IVM and oxidative metabolism of bovine oocytes. Reproduction, Fertility and Development, 2013, 25, 1026.	0.1	25
108	In vitro development of early sheep embryos is superior in medium supplemented with human serum compared with sheep serum or human serum albumin. Animal Reproduction Science, 1992, 29, 61-68.	0.5	23

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109	Effect of 2,4-dinitrophenol on the energy metabolism of cattle embryos produced by in vitro fertilization and culture. Reproduction, Fertility and Development, 2002, 14, 339.	0.1	23
110	Glucose deprivation, oxidative stress and peroxisome proliferator-activated receptor-Î± (PPARA) cause peroxisome proliferation in preimplantation mouse embryos. Reproduction, 2009, 138, 493-505.	1.1	23
111	Monomethyl fumarate inhibits pain behaviors and amygdala activity in a rat arthritis model. Pain, 2017, 158, 2376-2385.	2.0	23
112	Biphasic in vitro maturation with C-type natriuretic peptide enhances the developmental competence of juvenile-goat oocytes. PLoS ONE, 2019, 14, e0221663.	1.1	23
113	Molecular Filtration Properties of the Mouse Expanded Cumulus Matrix: Controlled Supply of Metabolites and Extracellular Signals to Cumulus Cells and the Oocyte1. Biology of Reproduction, 2012, 87, 89.	1.2	22
114	Rationally Designed Probe for Reversible Sensing of Zinc and Application in Cells. ACS Omega, 2017, 2, 6201-6210.	1.6	20
115	Optical imaging of cleavage stage bovine embryos using hyperspectral and confocal approaches reveals metabolic differences between on-time and fast-developing embryos. Theriogenology, 2021, 159, 60-68.	0.9	19
116	Urokinase-type plasminogen activator (uPA) and matrix metalloproteinase-9 (MMP-9) expression and activity during early embryo development in the cow. Anatomy and Embryology, 2001, 204, 477-483.	1.5	18
117	Culture without the petri-dish. Theriogenology, 2007, 67, 16-20.	0.9	18
118	Development of sheep preimplantation embryos in media supplemented with glucose and acetate. Theriogenology, 1989, 32, 323-330.	0.9	17
119	The effects of 2,4â€dinitrophenol and <scp>d</scp>â€glucose concentration on the development, sex ratio, and interferonâ€tau (IFNT) production of bovine blastocysts. Molecular Reproduction and Development, 2016, 83, 50-60.	1.0	17
120	Cumulin and FSH Cooperate to Regulate Inhibin B and Activin B Production by Human Granulosa-Lutein Cells In Vitro. Endocrinology, 2019, 160, 853-862.	1.4	17
121	Pentose phosphate pathway activity: effect on in vitro maturation and oxidative status of bovine oocytes. Reproduction, Fertility and Development, 2014, 26, 931.	0.1	16
122	The effect of periâ€conception hyperglycaemia and the involvement of the hexosamine biosynthesis pathway in mediating oocyte and embryo developmental competence. Molecular Reproduction and Development, 2014, 81, 391-408.	1.0	16
123	Hyperglycaemia and lipid differentially impair mouse oocyte developmental competence. Reproduction, Fertility and Development, 2015, 27, 583.	0.1	15
124	Oxygen-regulated gene expression in murine cumulus cells. Reproduction, Fertility and Development, 2015, 27, 407.	0.1	15
125	Effect of the oxidative phosphorylation uncoupler 2,4-dinitrophenol on hypoxia-inducible factor-regulated gene expression in bovine blastocysts. Reproduction, Fertility and Development, 2004, 16, 665.	0.1	14
126	Mechanisms contributing to the reduced developmental competence of glucosamine-exposed mouse oocytes. Reproduction, Fertility and Development, 2010, 22, 771.	0.1	14

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127	Implications of glycolytic and pentose phosphate pathways on the oxidative status and active mitochondria of the porcine oocyte during IVM. Theriogenology, 2016, 86, 2096-2106.	0.9	14
128	Development of Bright and Biocompatible Nanoruby and Its Application to Background-Free Time-Gated Imaging of G-Protein-Coupled Receptors. ACS Applied Materials & Interfaces, 2017, 9, 39197-39208.	4.0	14
129	Donor and recipient ewe factors affecting in vitro development and post-transfer survival of cultured sheep embryos. Animal Reproduction Science, 1995, 40, 269-279.	0.5	13
130	Mathematical Modeling of Glucose Supply Toward Successful In Vitro Maturation of Mammalian Oocytes. Tissue Engineering - Part A, 2008, 14, 1539-1547.	1.6	13
131	Estimation of Glucose Uptake by Ovarian Follicular Cells. Annals of Biomedical Engineering, 2011, 39, 2654-2667.	1.3	13
132	Altered pregnancy outcomes in mice following treatment with the hyperglycaemia mimetic, glucosamine, during the periconception period. Reproduction, Fertility and Development, 2013, 25, 405.	0.1	12
133	IVM media are designed specifically to support immature cumulus-oocyte complexes not denuded oocytes that have failed to respond to hyperstimulation. Fertility and Sterility, 2011, 96, e141.	0.5	11
134	The effect of streptozotocin-induced hyperglycemia on N-and O-linked protein glycosylation in mouse ovary. Glycobiology, 2018, 28, 832-840.	1.3	11
135	Conditions to optimise the developmental competence of immature equine oocytes. Reproduction, Fertility and Development, 2020, 32, 1012.	0.1	11
136	Adaptive Responses of Early Embryos to Their Microenvironment and Consequences for Post-Implantation Development. , 2006, , 58-69.		10
137	Current status and future trends of the clinical practice of human oocyte in vitro maturation. , 2011, , 186-198.		10
138	Oxygen consumption by Day 7 bovine blastocysts: determination of ATP production. Animal Reproduction Science, 1996, 43, 241-247.	0.5	9
139	Effect of oxygen and glucose availability during in vitro maturation of bovine oocytes on development and gene expression. Journal of Assisted Reproduction and Genetics, 2021, 38, 1349-1362.	1.2	8
140	A study relating the composition of follicular fluid and blood plasma from individual Holstein dairy cows to the inÂvitro developmental competence of pooled abattoir-derived oocytes. Theriogenology, 2014, 82, 95-103.	0.9	7
141	Air embolism following peripheral intravenous access. Baylor University Medical Center Proceedings, 2019, 32, 433-434.	0.2	7
142	A biophotonic approach to measure pH in small volumes in vitro: Quantifiable differences in metabolic flux around the cumulusâ€oocyteâ€complex (COC). Journal of Biophotonics, 2020, 13, e201960038.	1.1	7
143	Fabrication on the microscale: a two-photon polymerized device for oocyte microinjection. Journal of Assisted Reproduction and Genetics, 2022, 39, 1503-1513.	1.2	7
144	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 (Cervus elaphus). Animal Reproduction Science, 2008, 105, 332-343.	0.5	6

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145	Birthweight and the effects of culture media. Human Reproduction, 2017, 32, 717-718.	0.4	6
146	Hemoglobin: potential roles in the oocyte and early embryoâ€. Biology of Reproduction, 2019, 101, 262-270.	1.2	6
147	Partitioning of glucose carbon in post-compaction ovine embryos. Animal Reproduction Science, 1995, 38, 119-126.	0.5	5
148	The effect of discrete wavelengths of visible light on the developing murine embryo. Journal of Assisted Reproduction and Genetics, 2022, 39, 1825-1837.	1.2	5
149	Improving oocyte maturation in vitro. , 0, , 212-223.		4
150	Dysregulation of bisphosphoglycerate mutase during in vitro maturation of oocytes. Journal of Assisted Reproduction and Genetics, 2021, 38, 1363-1372.	1.2	4
151	Localised hydrogen peroxide sensing for reproductive health. Proceedings of SPIE, 2015, , .	0.8	3
152	A mixed bag: A perspective on the regulation of IVF in Australia. Human Fertility, 2005, 8, 69-70.	0.7	2
153	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. Human Reproduction, 2006, 21, 2195-2195.	0.4	2
154	In vivo survival of transferred sheep embryos following puncture of the zona pellucida and in vitro culture. Animal Reproduction Science, 1994, 35, 81-89.	0.5	1
155	A New Window into Ovarian Follicle Development. Biology of Reproduction, 2016, 95, 136-136.	1.2	1
156	Microfluidics and Microanalytics to Facilitate Quantitative Assessment of Human Embryo Physiology. , 2019, , 557-566.		1
157	Maternal Interleukin-10 Deficiency Increases Sensitivity to Adverse Programming Effects of a Low Dose LPS Insult in the Pre-Implantation Period.. Biology of Reproduction, 2011, 85, 183-183.	1.2	1
158	Growth factors and cytokines in embryo development. , 0, , 112-131.		0
159	Biosensors for detecting stress in developing embryos. Proceedings of SPIE, 2016, , .	0.8	0
160	Deconstructing autofluorescence: non-invasive detection and monitoring of biochemistry in cells and tissues (Conference Presentation). , 2016, , .		0
161	Foreword to 'Serono Symposium: Unravelling Fetal Programming and the Influence of ART'. Reproduction, Fertility and Development, 2005, 17, iii.	0.1	0
162	Post hCG Follicle Differentiation in the Mouse Is Associated with an Increase in Hypoxia Inducible Factor Activity.. Biology of Reproduction, 2008, 78, 127-127.	1.2	0

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163	Non-invasive detection and monitoring of biochemistry in cells and tissues by decomposing autofluorescence. , 2016, , .		0
164	Time-lapse confocal imaging-induced calcium ion discharge from the cumulusâ€“oocyte complex at the time of cattle oocyte activation. Reproduction, Fertility and Development, 2020, 32, 1223.	0.1	0