

# Jeremy Ge Thompson

## List of Publications by Year in Descending Order

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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	Dysregulation of bisphosphoglycerate mutase during in vitro maturation of oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2021</b> , 38, 1363-1372	3.4	0
157	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> , <b>2021</b> , 38, 1349-1362	3.4	2
156	Metabolic co-dependence of the oocyte and cumulus cells: essential role in determining oocyte developmental competence. <i>Human Reproduction Update</i> , <b>2021</b> , 27, 27-47	15.8	30
155	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> , <b>2021</b> , 159, 60-68	2.8	5
154	HYPOXIA AND REPRODUCTIVE HEALTH: Hypoxia and ovarian function: follicle development, ovulation, oocyte maturation. <i>Reproduction</i> , <b>2021</b> , 161, F33-F40	3.8	5
153	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> , <b>2020</b> , 32, 1223-1238	1.8	
152	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> , <b>2020</b> , 13, e201960038	3.1	3
151	Conditions to optimise the developmental competence of immature equine oocytes. <i>Reproduction, Fertility and Development</i> , <b>2020</b> , 32, 1012-1021	1.8	2
150	Biphasic in vitro maturation with C-type natriuretic peptide enhances the developmental competence of juvenile-goat oocytes. <i>PLoS ONE</i> , <b>2019</b> , 14, e0221663	3.7	12
149	Hemoglobin: potential roles in the oocyte and early embryo. <i>Biology of Reproduction</i> , <b>2019</b> , 101, 262-270	3.9	4
148	Cumulin and FSH Cooperate to Regulate Inhibin B and Activin B Production by Human Granulosa-Lutein Cells In Vitro. <i>Endocrinology</i> , <b>2019</b> , 160, 853-862	4.8	10
147	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> , <b>2019</b> , 202, 49-57	2.1	19
146	Air embolism following peripheral intravenous access. <i>Baylor University Medical Center Proceedings</i> , <b>2019</b> , 32, 433-434	0.6	3
145	Microfluidics and Microanalytics to Facilitate Quantitative Assessment of Human Embryo Physiology <b>2019</b> , 557-566		
144	Biological hydrogen peroxide detection with aryl boronate and benzil BODIPY-based fluorescent probes. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 262, 750-757	8.5	24
143	Periconception onset diabetes is associated with embryopathy and fetal growth retardation, reproductive tract hyperglycosylation and impaired immune adaptation to pregnancy. <i>Scientific Reports</i> , <b>2018</b> , 8, 2114	4.9	20
142	Super-multiplexed fluorescence microscopy via photostability contrast. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 2943-2954	3.5	17

141	The effect of streptozotocin-induced hyperglycemia on N-and O-linked protein glycosylation in mouse ovary. <i>Glycobiology</i> , <b>2018</b> , 28, 832-840	5.8	7
140	Rationally Designed Probe for Reversible Sensing of Zinc and Application in Cells. <i>ACS Omega</i> , <b>2017</b> , 2, 6201-6210	3.9	15
139	Development of Bright and Biocompatible Nanoruby and Its Application to Background-Free Time-Gated Imaging of G-Protein-Coupled Receptors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39197-39208	9.5	10
138	Monomethyl fumarate inhibits pain behaviors and amygdala activity in a rat arthritis model. <i>Pain</i> , <b>2017</b> , 158, 2376-2385	8	18
137	Hyperspectral microscopy can detect metabolic heterogeneity within bovine post-compaction embryos incubated under two oxygen concentrations (7% versus 20%). <i>Human Reproduction</i> , <b>2017</b> , 32, 2016-2025	5.7	18
136	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> , <b>2017</b> , 124, 1537-1544	3.7	25
135	Failure to launch: aberrant cumulus gene expression during oocyte in vitro maturation. <i>Reproduction</i> , <b>2017</b> , 153, R109-R120	3.8	29
134	Birthweight and the effects of culture media. <i>Human Reproduction</i> , <b>2017</b> , 32, 717-718	5.7	6
133	Gray level Co-occurrence Matrices (GLCM) to assess microstructural and textural changes in pre-implantation embryos. <i>Molecular Reproduction and Development</i> , <b>2016</b> , 83, 701-13	2.6	22
132	Quantitative non-invasive cell characterisation and discrimination based on multispectral autofluorescence features. <i>Scientific Reports</i> , <b>2016</b> , 6, 23453	4.9	39
131	A New Window into Ovarian Follicle Development. <i>Biology of Reproduction</i> , <b>2016</b> , 95, 136	3.9	1
130	Measuring embryo metabolism to predict embryo quality. <i>Reproduction, Fertility and Development</i> , <b>2016</b> , 28, 41-50	1.8	19
129	Extending prematuration with cAMP modulators enhances the cumulus contribution to oocyte antioxidant defence and oocyte quality via gap junctions. <i>Human Reproduction</i> , <b>2016</b> , 31, 810-21	5.7	54
128	Nonesterified Fatty Acid-Induced Endoplasmic Reticulum Stress in Cattle Cumulus Oocyte Complexes Alters Cell Metabolism and Developmental Competence. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 23	3.9	42
127	Implications of glycolytic and pentose phosphate pathways on the oxidative status and active mitochondria of the porcine oocyte during IVM. <i>Theriogenology</i> , <b>2016</b> , 86, 2096-2106	2.8	7
126	Bidirectional communication between cumulus cells and the oocyte: Old hands and new players?. <i>Theriogenology</i> , <b>2016</b> , 86, 62-8	2.8	110
125	The definition of IVM is clear-variations need defining. <i>Human Reproduction</i> , <b>2016</b> , 31, 2411-2415	5.7	51
124	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> , <b>2016</b> , 83, 50-60	2.6	14

123	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> , <b>2015</b> , 82, 281-94	2.6	33
122	Oxygen-regulated gene expression in murine cumulus cells. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 407-18	1.8	11
121	The Ovarian Antral Follicle: Living on the Edge of Hypoxia or Not?. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 153	3.9	33
120	Female tract cytokines and developmental programming in embryos. <i>Advances in Experimental Medicine and Biology</i> , <b>2015</b> , 843, 173-213	3.6	27
119	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> , <b>2015</b> , 84, 390-8	2.8	27
118	Hemoglobin: a gas transport molecule that is hormonally regulated in the ovarian follicle in mice and humans. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 26	3.9	20
117	Localised hydrogen peroxide sensing for reproductive health <b>2015</b> ,		3
116	Hyperglycaemia and lipid differentially impair mouse oocyte developmental competence. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 583-92	1.8	12
115	A Dual Sensor for pH and Hydrogen Peroxide Using Polymer-Coated Optical Fibre Tips. <i>Sensors</i> , <b>2015</b> , 15, 31904-13	3.8	29
114	Boronate probes for the detection of hydrogen peroxide release from human spermatozoa. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 81, 69-76	7.8	35
113	Promotion of EGF receptor signaling improves the quality of low developmental competence oocytes. <i>Developmental Biology</i> , <b>2015</b> , 403, 139-49	3.1	41
112	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> , <b>2014</b> , 20, 499-513	4.4	48
111	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> , <b>2014</b> , 81, 422-35	2.6	48
110	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> , <b>2014</b> , 91, 47	3.9	52
109	Bone morphogenetic protein 15 in the pro-mature complex form enhances bovine oocyte developmental competence. <i>PLoS ONE</i> , <b>2014</b> , 9, e103563	3.7	28
108	Pentose phosphate pathway activity: effect on in vitro maturation and oxidative status of bovine oocytes. <i>Reproduction, Fertility and Development</i> , <b>2014</b> , 26, 931-42	1.8	9
107	Effect of epidermal growth factor-like peptides on the metabolism of in vitro- matured mouse oocytes and cumulus cells. <i>Biology of Reproduction</i> , <b>2014</b> , 90, 49	3.9	28
106	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> , <b>2014</b> , 81, 391-408	2.6	10

105	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> , <b>2014</b> , 82, 95-103	2.8	5
104	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> , <b>2014</b> , 31, 295-306	3.4	37
103	Regulation of sheep oocyte maturation using cAMP modulators. <i>Theriogenology</i> , <b>2013</b> , 79, 142-8	2.8	55
102	Heparin and cAMP modulators interact during pre-in vitro maturation to affect mouse and human oocyte meiosis and developmental competence. <i>Human Reproduction</i> , <b>2013</b> , 28, 1536-45	5.7	58
101	Microstructured optical fibers and live cells: a water-soluble, photochromic zinc sensor. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3376-9	6.9	27
100	Mode of oocyte maturation affects EGF-like peptide function and oocyte competence. <i>Molecular Human Reproduction</i> , <b>2013</b> , 19, 500-9	4.4	41
99	Oocyte-Secreted Factors in Domestic Animals <b>2013</b> , 55-70		
98	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> , <b>2013</b> , 146, 27-35	3.8	53
97	Glycolytic pathway activity: effect on IVM and oxidative metabolism of bovine oocytes. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, 1026-35	1.8	21
96	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> , <b>2013</b> , 25, 426-38	1.8	27
95	Altered pregnancy outcomes in mice following treatment with the hyperglycaemia mimetic, glucosamine, during the periconception period. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, 405-16	1.8	12
94	Utilization of endogenous fatty acid stores for energy production in bovine preimplantation embryos. <i>Theriogenology</i> , <b>2012</b> , 77, 1632-41	2.8	68
93	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> , <b>2012</b> , 87, 87	3.9	17
92	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> , <b>2012</b> , 87, 87	3.9	28
91	Temporal effects of exogenous oocyte-secreted factors on bovine oocyte developmental competence during IVM. <i>Reproduction, Fertility and Development</i> , <b>2011</b> , 23, 576-84	1.8	39
90	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> , <b>2011</b> , 96, e141; author reply e142	4.8	7
89	Peri-conceptual cytokines--setting the trajectory for embryo implantation, pregnancy and beyond. <i>American Journal of Reproductive Immunology</i> , <b>2011</b> , 66 Suppl 1, 2-10	3.8	49
88	Estimation of glucose uptake by ovarian follicular cells. <i>Annals of Biomedical Engineering</i> , <b>2011</b> , 39, 2654-67	4.7	12

87	The promise of in vitro maturation in assisted reproduction and fertility preservation. <i>Seminars in Reproductive Medicine</i> , <b>2011</b> , 29, 24-37	1.4	119
86	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> , <b>2011</b> , 85, 183-183	3.9	1
85	Development of the NBT assay as a marker of sperm oxidative stress. <i>Journal of Developmental and Physical Disabilities</i> , <b>2010</b> , 33, 13-21		66
84	Simulated physiological oocyte maturation (SPOM): a novel in vitro maturation system that substantially improves embryo yield and pregnancy outcomes. <i>Human Reproduction</i> , <b>2010</b> , 25, 2999-3011	5.7	197
83	Beta-oxidation is essential for mouse oocyte developmental competence and early embryo development. <i>Biology of Reproduction</i> , <b>2010</b> , 83, 909-18	3.9	255
82	Oxygen consumption and ROS production are increased at the time of fertilization and cell cleavage in bovine zygotes. <i>Human Reproduction</i> , <b>2010</b> , 25, 2762-73	5.7	73
81	Mechanisms contributing to the reduced developmental competence of glucosamine-exposed mouse oocytes. <i>Reproduction, Fertility and Development</i> , <b>2010</b> , 22, 771-9	1.8	13
80	The pivotal role of glucose metabolism in determining oocyte developmental competence. <i>Reproduction</i> , <b>2010</b> , 139, 685-95	3.8	293
79	Beyond oxygen: complex regulation and activity of hypoxia inducible factors in pregnancy. <i>Human Reproduction Update</i> , <b>2010</b> , 16, 415-31	15.8	171
78	Hormonally regulated follicle differentiation and luteinization in the mouse is associated with hypoxia inducible factor activity. <i>Molecular and Cellular Endocrinology</i> , <b>2010</b> , 327, 47-55	4.4	34
77	Alterations in mouse embryo intracellular pH by DMO during culture impair implantation and fetal growth. <i>Reproductive BioMedicine Online</i> , <b>2010</b> , 21, 219-29	4	24
76	Disruption of mitochondrial malate-aspartate shuttle activity in mouse blastocysts impairs viability and fetal growth. <i>Biology of Reproduction</i> , <b>2009</b> , 80, 295-301	3.9	61
75	Glucose deprivation, oxidative stress and peroxisome proliferator-activated receptor-alpha (PPARA) cause peroxisome proliferation in preimplantation mouse embryos. <i>Reproduction</i> , <b>2009</b> , 138, 493-505	3.8	23
74	Stress response genes are suppressed in mouse preimplantation embryos by granulocyte-macrophage colony-stimulating factor (GM-CSF). <i>Human Reproduction</i> , <b>2009</b> , 24, 2997-3009	5.7	48
73	Improvement in sperm DNA quality using an oral antioxidant therapy. <i>Reproductive BioMedicine Online</i> , <b>2009</b> , 18, 761-8	4	76
72	Phenotypes of the ovarian follicular basal lamina predict developmental competence of oocytes. <i>Human Reproduction</i> , <b>2009</b> , 24, 936-44	5.7	28
71	Sperm DNA damage is associated with assisted reproductive technology pregnancy. <i>Journal of Developmental and Physical Disabilities</i> , <b>2008</b> , 31, 518-26		86
70	The effect of glucosamine concentration on the development and sex ratio of bovine embryos. <i>Animal Reproduction Science</i> , <b>2008</b> , 103, 228-38	2.1	36

69	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> , <b>2008</b> , 105, 332-43	2.1	6
68	Mathematical modeling of glucose supply toward successful in vitro maturation of Mammalian oocytes. <i>Tissue Engineering - Part A</i> , <b>2008</b> , 14, 1539-47	3.9	10
67	Oocyte-secreted factors: regulators of cumulus cell function and oocyte quality. <i>Human Reproduction Update</i> , <b>2008</b> , 14, 159-77	15.8	620
66	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> , <b>2008</b> , 294, E425-34	6	114
65	In vitro maturation of Mammalian oocytes: outcomes and consequences. <i>Seminars in Reproductive Medicine</i> , <b>2008</b> , 26, 162-74	1.4	41
64	Exogenous growth differentiation factor 9 in oocyte maturation media enhances subsequent embryo development and fetal viability in mice. <i>Human Reproduction</i> , <b>2008</b> , 23, 67-73	5.7	113
63	Embryo culture and long-term consequences. <i>Reproduction, Fertility and Development</i> , <b>2007</b> , 19, 43-52	1.8	50
62	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> , <b>2007</b> , 47, 216-21	1.7	143
61	Complex interactions between hypoxia inducible factors, insulin-like growth factor-II and oxygen in early murine trophoblasts. <i>Placenta</i> , <b>2007</b> , 28, 1147-57	3.4	29
60	Differential expression of oxygen-regulated genes in bovine blastocysts. <i>Molecular Reproduction and Development</i> , <b>2007</b> , 74, 290-9	2.6	33
59	Regulation of gene expression in bovine blastocysts in response to oxygen and the iron chelator desferrioxamine. <i>Biology of Reproduction</i> , <b>2007</b> , 77, 93-101	3.9	29
58	Dioxin affects glucose transport via the arylhydrocarbon receptor signal cascade in pluripotent embryonic carcinoma cells. <i>Endocrinology</i> , <b>2007</b> , 148, 5902-12	4.8	22
57	Oxygen concentration during mouse oocyte in vitro maturation affects embryo and fetal development. <i>Human Reproduction</i> , <b>2007</b> , 22, 2768-75	5.7	70
56	Culture without the petri-dish. <i>Theriogenology</i> , <b>2007</b> , 67, 16-20	2.8	18
55	Oocyte maturation: emerging concepts and technologies to improve developmental potential in vitro. <i>Theriogenology</i> , <b>2007</b> , 67, 6-15	2.8	230
54	Influence of hyaluronic acid synthesis and cumulus mucification on bovine oocyte in vitro maturation, fertilisation and embryo development. <i>Reproduction, Fertility and Development</i> , <b>2007</b> , 19, 488-97	1.8	57
53	Oocyte-secreted factor activation of SMAD 2/3 signaling enables initiation of mouse cumulus cell expansion. <i>Biology of Reproduction</i> , <b>2007</b> , 76, 848-57	3.9	114
52	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> , <b>2006</b> , 21, 2185, author reply 2185-6	5.7	1

51	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> , <b>2006</b> , 291, E761-70	6	27
50	Perturbations in mouse embryo development and viability caused by ammonium are more severe after exposure at the cleavage stages. <i>Biology of Reproduction</i> , <b>2006</b> , 74, 288-94	3.9	95
49	Mathematical modelling of oxygen concentration in bovine and murine cumulus-oocyte complexes. <i>Reproduction</i> , <b>2006</b> , 131, 999-1006	3.8	46
48	Adaptive Responses of Early Embryos to Their Microenvironment and Consequences for Post-Implantation Development <b>2006</b> , 58-69		5
47	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> , <b>2006</b> , 74, 881-8	3.9	41
46	Oocyte-secreted factors enhance oocyte developmental competence. <i>Developmental Biology</i> , <b>2006</b> , 296, 514-21	3.1	261
45	The impact of nutrition of the cumulus oocyte complex and embryo on subsequent development in ruminants. <i>Journal of Reproduction and Development</i> , <b>2006</b> , 52, 169-75	2.1	25
44	Effect of culturing mouse embryos under different oxygen concentrations on subsequent fetal and placental development. <i>Journal of Physiology</i> , <b>2006</b> , 572, 87-96	3.9	70
43	A mixed bag: a perspective on the regulation of IVF in Australia. <i>Human Fertility</i> , <b>2005</b> , 8, 69-70	1.9	2
42	Effects of recombinant human follicle-stimulating hormone on embryo development in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 288, E845-51	6	24
41	Oxygen-regulated expression of GLUT-1, GLUT-3, and VEGF in the mouse blastocyst. <i>Molecular Reproduction and Development</i> , <b>2005</b> , 70, 37-44	2.6	66
40	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> , <b>2005</b> , 17, 407-15	1.8	39
39	Oocytes prevent cumulus cell apoptosis by maintaining a morphogenic paracrine gradient of bone morphogenetic proteins. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 5257-68	5.3	264
38	Effect of specific phosphodiesterase isoenzyme inhibitors during in vitro maturation of bovine oocytes on meiotic and developmental capacity. <i>Biology of Reproduction</i> , <b>2004</b> , 71, 1142-9	3.9	98
37	Oxygen-regulated gene expression in bovine blastocysts. <i>Biology of Reproduction</i> , <b>2004</b> , 71, 1108-19	3.9	141
36	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> , <b>2004</b> , 128, 313-9	3.8	91
35	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> , <b>2004</b> , 16, 665-73	1.8	13
34	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> , <b>2003</b> , 9, 35-48	15.8	282



33	REDOX regulation of early embryo development. <i>Reproduction</i> , <b>2002</b> , 123, 479-86	3.8	244
32	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> , <b>2002</b> , 17, 2783-6	5.7	94
31	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> , <b>2002</b> , 14, 339-43	1.8	21
30	Effect of glutathione synthesis stimulation during in vitro maturation of ovine oocytes on embryo development and intracellular peroxide content. <i>Theriogenology</i> , <b>2002</b> , 57, 1443-51	2.8	122
29	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> , <b>2001</b> , 204, 477-83		10
28	Inhibitors of mitochondrial ATP production at the time of compaction improve development of in vitro produced porcine embryos. <i>Molecular Reproduction and Development</i> , <b>2001</b> , 58, 39-44	2.6	38
27	Bovine embryo culture in vitro: new developments and post-transfer consequences. <i>Human Reproduction</i> , <b>2000</b> , 15 Suppl 5, 59-67	5.7	103
26	In vitro culture and embryo metabolism of cattle and sheep embryos - a decade of achievement. <i>Animal Reproduction Science</i> , <b>2000</b> , 60-61, 263-75	2.1	102
25	Effect of inhibitors and uncouplers of oxidative phosphorylation during compaction and blastulation of bovine embryos cultured in vitro. <i>Reproduction</i> , <b>2000</b> , 47-55	3.8	69
24	Total protein content and protein synthesis within pre-elongation stage bovine embryos. <i>Molecular Reproduction and Development</i> , <b>1998</b> , 50, 139-45	2.6	61
23	Effect of delayed supplementation of fetal calf serum to culture medium on bovine embryo development in vitro and following transfer. <i>Theriogenology</i> , <b>1998</b> , 49, 1239-49	2.8	100
22	Human assisted conception: a cautionary tale. Lessons from domestic animals. <i>Human Reproduction</i> , <b>1998</b> , 13 Suppl 4, 184-202	5.7	115
21	Exogenous protein affects developmental competence and metabolic activity of bovine pre-implantation embryos in vitro. <i>Reproduction, Fertility and Development</i> , <b>1998</b> , 10, 327-32	1.8	42
20	Comparison between in vivo-derived and in vitro-produced pre-elongation embryos from domestic ruminants. <i>Reproduction, Fertility and Development</i> , <b>1997</b> , 9, 341-54	1.8	133
19	Oxygen consumption by Day 7 bovine blastocysts: determination of ATP production. <i>Animal Reproduction Science</i> , <b>1996</b> , 43, 241-247	2.1	7
18	Defining the requirements for bovine embryo culture. <i>Theriogenology</i> , <b>1996</b> , 45, 27-40	2.8	69
17	Oxygen consumption and energy metabolism of the early mouse embryo. <i>Molecular Reproduction and Development</i> , <b>1996</b> , 44, 476-85	2.6	265
16	Lamb birth weight is affected by culture system utilized during in vitro pre-elongation development of ovine embryos. <i>Biology of Reproduction</i> , <b>1995</b> , 53, 1385-91	3.9	345

15	Partitioning of glucose carbon in post-compaction ovine embryos. <i>Animal Reproduction Science</i> , <b>1995</b> , 38, 119-126	2.1	5
14	Donor and recipient ewe factors affecting in vitro development and post-transfer survival of cultured sheep embryos. <i>Animal Reproduction Science</i> , <b>1995</b> , 40, 269-279	2.1	11
13	In vivo survival of transferred sheep embryos following puncture of the zona pellucida and in vitro culture. <i>Animal Reproduction Science</i> , <b>1994</b> , 35, 81-89	2.1	1
12	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> , <b>1993</b> , 5, 417-23	1.8	32
11	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> , <b>1992</b> , 29, 61-68	2.1	21
10	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> , <b>1992</b> , 4, 167-74	1.8	24
9	Requirement for glucose during in vitro culture of sheep preimplantation embryos. <i>Molecular Reproduction and Development</i> , <b>1992</b> , 31, 253-7	2.6	85
8	Glucose utilization by sheep embryos derived in vivo and in vitro. <i>Reproduction, Fertility and Development</i> , <b>1991</b> , 3, 571-6	1.8	58
7	Developmental ability of in vitro matured sheep oocytes collected during the nonbreeding season and fertilized in vitro with frozen ram semen. <i>Theriogenology</i> , <b>1991</b> , 36, 771-8	2.8	53
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