

Alfonso Gutierrez-Adan

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.

238
papers

9,386
citations

51
h-index

87
g-index

247
ext. papers

10,520
ext. citations

3.6
avg, IF

5.86
L-index

#	Paper	IF	Citations
238	and functional U12-dependent spliceosome are necessary for follicular development.. <i>IScience</i> , 2022 , 25, 103860	6.1	0
237	Characterization and profiling analysis of bovine oviduct and uterine extracellular vesicles and their miRNA cargo through the estrous cycle. <i>FASEB Journal</i> , 2021 , 35, e22000	0.9	2
236	A high glucose concentration during early stages of in vitro equine embryo development alters expression of genes involved in glucose metabolism. <i>Equine Veterinary Journal</i> , 2021 , 53, 787-795	2.4	2
235	Sperm selection by rheotaxis improves sperm quality and early embryo development. <i>Reproduction</i> , 2021 , 161, 343-352	3.8	2
234	MicroRNAs in amniotic fluid and maternal blood plasma associated with sex determination and early gonad differentiation in cattle \square <i>Biology of Reproduction</i> , 2021 , 105, 345-358	3.9	0
233	Postnatal Catch-Up Growth Programs Telomere Dynamics and Glucose Intolerance in Low Birth Weight Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
232	Sperm Metabolomics through Nuclear Magnetic Resonance Spectroscopy. <i>Animals</i> , 2021 , 11,	3.1	1
231	Nobiletin enhances the development and quality of bovine embryos in vitro during two key periods of embryonic genome activation. <i>Scientific Reports</i> , 2021 , 11, 11796	4.9	1
230	Activation of PI3K/Akt Signaling Pathway in Rat Hypothalamus Induced by an Acute Oral Administration of D-Pinitol. <i>Nutrients</i> , 2021 , 13,	6.7	2
229	Aberrant Alternative Splicing in U2af1/Tet2 Double Mutant Mice Contributes to Major Hematological Phenotypes. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
228	Effect of an altered hormonal environment by blood plasma collected after adrenocorticotrophic administration on embryo development and gene expression in porcine embryos. <i>Theriogenology</i> , 2021 , 162, 15-21	2.8	0
227	Isolation, Characterization, and MicroRNA Analysis of Extracellular Vesicles from Bovine Oviduct and Uterine Fluids. <i>Methods in Molecular Biology</i> , 2021 , 2273, 219-238	1.4	3
226	Genome-wide DNA methylation dynamics during epigenetic reprogramming in the porcine germline. <i>Clinical Epigenetics</i> , 2021 , 13, 27	7.7	3
225	A drastic shift in the energetic landscape of toothed whale sperm cells. <i>Current Biology</i> , 2021 , 31, 3648-3655.e9,	36.5	9
224	Role of Alternative Splicing in Sex Determination in Vertebrates. <i>Sexual Development</i> , 2021 , 1-11	1.6	0
223	Gene expression profiles of bovine genital ridges during sex determination and early differentiation of the gonads \square <i>Biology of Reproduction</i> , 2020 , 102, 38-52	3.9	4
222	Minor Splicing Factors and Are Essential for Early Embryo Development and 2-Cell-Like Conversion. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5

221	Oxygen tension during in vitro oocyte maturation and fertilization affects embryo quality in sheep and deer. <i>Animal Reproduction Science</i> , 2020 , 213, 106279	2.1	9
220	Study of the Metabolomics of Equine Preovulatory Follicular Fluid: A Way to Improve Current In Vitro Maturation Media. <i>Animals</i> , 2020 , 10,	3.1	4
219	TMEM95 is a sperm membrane protein essential for mammalian fertilization. <i>ELife</i> , 2020 , 9,	8.9	24
218	Stage-specific metabolomic changes in equine oviductal fluid: New insights into the equine fertilization environment. <i>Theriogenology</i> , 2020 , 143, 35-43	2.8	8
217	Inhibiting diacylglycerol acyltransferase-1 reduces lipid biosynthesis in bovine blastocysts produced in vitro. <i>Theriogenology</i> , 2020 , 158, 267-276	2.8	0
216	D-Pinitol from Is an Orally Active Natural Inositol That Reduces Pancreas Insulin Secretion and Increases Circulating Ghrelin Levels in Wistar Rats. <i>Nutrients</i> , 2020 , 12,	6.7	6
215	Antioxidant Nobiletin Enhances Oocyte Maturation and Subsequent Embryo Development and Quality. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
214	Effect of supplementation of valine to chicken extender on sperm cryoresistance and post-thaw fertilization capacity. <i>Poultry Science</i> , 2020 , 99, 7133-7141	3.9	6
213	D-Chiro-Inositol Treatment Affects Oocyte and Embryo Quality and Improves Glucose Intolerance in Both Aged Mice and Mouse Models of Polycystic Ovarian Syndrome. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
212	The Presence of D-Penicillamine during the In Vitro Capacitation of Stallion Spermatozoa Prolongs Hyperactive-Like Motility and Allows for Sperm Selection by Thermotaxis. <i>Animals</i> , 2020 , 10,	3.1	3
211	Senescence and Apoptosis During Embryo Development in a Bovine Model. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 619902	5.7	8
210	ZP4 Is Present in Murine Zona Pellucida and Is Not Responsible for the Specific Gamete Interaction. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 626679	5.7	2
209	Longitudinal analysis of somatic and germ-cell telomere dynamics in outbred mice. <i>Molecular Reproduction and Development</i> , 2019 , 86, 1033-1043	2.6	7
208	Targeting host metabolism by inhibition of acetyl-Coenzyme A carboxylase reduces flavivirus infection in mouse models. <i>Emerging Microbes and Infections</i> , 2019 , 8, 624-636	18.9	18
207	Differential isoform expression and alternative splicing in sex determination in mice. <i>BMC Genomics</i> , 2019 , 20, 202	4.5	13
206	Embryo responses to stress induced by assisted reproductive technologies. <i>Molecular Reproduction and Development</i> , 2019 , 86, 1292-1306	2.6	26
205	Ascorbic acid-cyclodextrin complex alters the expression of genes associated with lipid metabolism in bovine in vitro produced embryos. <i>Reproduction in Domestic Animals</i> , 2019 , 54, 55-62	1.6	7
204	Sex-Dimorphic Behavioral Alterations and Altered Neurogenesis in U12 Intron Splicing-Defective Mutant Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6

203	An approach to study the local embryo effect on gene expression in the bovine oviduct epithelium in vivo. <i>Reproduction in Domestic Animals</i> , 2019 , 54, 1516-1523	1.6	6
202	Gene expression and metabolic response of bovine oviduct epithelial cells to the early embryo. <i>Reproduction</i> , 2019 , 158, 85-94	3.8	14
201	Global transcriptomic response of bovine endometrium to blastocyst-stage embryos. <i>Reproduction</i> , 2019 , 158, 223-235	3.8	16
200	Successful ICSI in Mice Using Caput Epididymal Spermatozoa. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 346	5.7	6
199	Extracellular vesicles derived from endometrial human mesenchymal stem cells enhance embryo yield and quality in an aged murine model. <i>Biology of Reproduction</i> , 2019 , 100, 1180-1192	3.9	23
198	Seminal plasma amino acid profile in different breeds of chicken: Role of seminal plasma on sperm cryoresistance. <i>PLoS ONE</i> , 2019 , 14, e0209910	3.7	19
197	Tissue plasminogen activator (tPA) of paternal origin is necessary for the success of in vitro but not of in vivo fertilisation in the mouse. <i>Reproduction, Fertility and Development</i> , 2019 , 31, 433-442	1.8	1
196	Impaired Spermatogenesis, Muscle, and Erythrocyte Function in U12 Intron Splicing-Defective Zrsr1 Mutant Mice. <i>Cell Reports</i> , 2018 , 23, 143-155	10.6	19
195	Resveratrol-cyclodextrin complex affects the expression of genes associated with lipid metabolism in bovine in vitro produced embryos. <i>Reproduction in Domestic Animals</i> , 2018 , 53, 850-858	1.6	13
194	Sperm selection by thermotaxis improves ICSI outcome in mice. <i>Scientific Reports</i> , 2018 , 8, 2902	4.9	37
193	Effects of the HDAC inhibitor scriptaid on the in vitro development of bovine embryos and on imprinting gene expression levels. <i>Theriogenology</i> , 2018 , 110, 79-85	2.8	3
192	The oviduct: from sperm selection to the epigenetic landscape of the embryo. <i>Biology of Reproduction</i> , 2018 , 98, 262-276	3.9	34
191	Early sex-dependent differences in response to environmental stress. <i>Reproduction</i> , 2018 , 155, R39-R51	3.8	21
190	Effect of chronic THC administration in the reproductive organs of male mice, spermatozoa and in vitro fertilization. <i>Biochemical Pharmacology</i> , 2018 , 157, 294-303	6	8
189	Effects of recombinant OVGP1 protein on in vitro bovine embryo development. <i>Journal of Reproduction and Development</i> , 2018 , 64, 433-443	2.1	16
188	Experimental Studies on Sperm DNA Fragmentation and Reproductive Outcomes 2018 , 349-363		
187	Epigenetic and Assisted Reproduction Experimental Studies 2018 , 169-181		
186	In vitro cultured bovine endometrial cells recognize embryonic sex. <i>Theriogenology</i> , 2018 , 108, 176-184	2.8	11

185	Extracellular vesicles derived from endometrial human mesenchymal stem cells improve IVF outcome in an aged murine model. <i>Reproduction in Domestic Animals</i> , 2018 , 53 Suppl 2, 46-49	1.6	6
184	Expanded equine cumulus-oocyte complexes exhibit higher meiotic competence and lower glucose consumption than compact cumulus-oocyte complexes. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 297-306	1.8	10
183	Bovine oviductal and uterine fluid support in vitro embryo development. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 935-945	1.8	18
182	α-Tocopherol modifies the expression of genes related to oxidative stress and apoptosis during in vitro maturation and enhances the developmental competence of rabbit oocytes. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1728-1738	1.8	9
181	Effect of bovine oviductal fluid on development and quality of bovine embryos produced in vitro. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 621-629	1.8	41
180	Short- and long-term outcomes of the absence of protein during bovine blastocyst formation in vitro. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 1064-1073	1.8	10
179	Effect of bovine oviductal extracellular vesicles on embryo development and quality. <i>Reproduction</i> , 2017 , 153, 461-470	3.8	75
178	Bovine embryo-oviduct interaction reveals an early cross talk mediated by BMP signaling. <i>Reproduction</i> , 2017 , 153, 631-643	3.8	17
177	Maternal metabolic stress may affect oviduct gatekeeper function. <i>Reproduction</i> , 2017 , 153, 759-773	3.8	11
176	Embryo culture in presence of oviductal fluid induces DNA methylation changes in bovine blastocysts. <i>Reproduction</i> , 2017 , 154, 1-12	3.8	24
175	CB cannabinoid receptor drives oocyte maturation and embryo development PI3K/Akt and MAPK pathways. <i>FASEB Journal</i> , 2017 , 31, 3372-3382	0.9	31
174	Differential effects of high and low glucose concentrations during lipolysis-like conditions on bovine in vitro oocyte quality, metabolism and subsequent embryo development. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 2284-2300	1.8	13
173	Hepatoma-derived growth factor: Protein quantification in uterine fluid, gene expression in endometrial-cell culture and effects on in vitro embryo development, pregnancy and birth. <i>Theriogenology</i> , 2017 , 96, 118-125	2.8	11
172	Expression and localization of ARTEMIN in the bovine uterus and embryos. <i>Theriogenology</i> , 2017 , 90, 153-162	2.8	6
171	Effect of nutritionally induced hyperlipidaemia on in vitro bovine embryo quality depends on the type of major fatty acid in the diet. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 1856-1867	1.8	10
170	Elimination of methylation marks at lysines 4 and 9 of histone 3 (H3K4 and H3K9) of spermatozoa alters offspring phenotype. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 740-746	1.8	11
169	In vivo and in vitro maturation of rabbit oocytes differently affects the gene expression profile, mitochondrial distribution, apoptosis and early embryo development. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 1667-1679	1.8	23
168	Bottlenose Dolphin (<i>Tursiops truncatus</i>) Spermatozoa: Collection, Cryopreservation, and Heterologous In Vitro Fertilization. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	3

167	Cultured bovine embryo biopsy conserves methylation marks from original embryo. <i>Biology of Reproduction</i> , 2017 , 97, 189-196	3.9	2
166	Subfertility in bulls carrying a nonsense mutation in transmembrane protein 95 is due to failure to interact with the oocyte vestments. <i>Biology of Reproduction</i> , 2017 , 97, 50-60	3.9	13
165	Effect of urokinase type plasminogen activator on bovine oocyte maturation. <i>Reproduction</i> , 2017 , 154, 231-240	3.8	4
164	Spermatozoa telomeres determine telomere length in early embryos and offspring. <i>Reproduction</i> , 2016 , 151, 1-7	3.8	34
163	Oviductal response to gametes and early embryos in mammals. <i>Reproduction</i> , 2016 , 152, R127-41	3.8	43
162	Exocannabinoids effect on in vitro bovine oocyte maturation via activation of AKT and ERK1/2. <i>Reproduction</i> , 2016 , 152, 603-612	3.8	13
161	Sexually Dimorphic Gene Expression in Bovine Conceptuses at the Initiation of Implantation. <i>Biology of Reproduction</i> , 2016 , 95, 92	3.9	12
160	Suboptimal culture conditions induce more deviations in gene expression in male than female bovine blastocysts. <i>BMC Genomics</i> , 2016 , 17, 72	4.5	45
159	Progesterone effects on mouse sperm kinetics in conditions of viscosity. <i>Reproduction</i> , 2016 , 151, 501-7	3.8	11
158	A novel antioxidant formulation designed to treat male infertility associated with oxidative stress: promising preclinical evidence from animal models. <i>Human Reproduction</i> , 2016 , 31, 252-62	5.7	66
157	Extracellular Vesicles from BOEC in In Vitro Embryo Development and Quality. <i>PLoS ONE</i> , 2016 , 11, e0148983	3.9	107
156	Transgenic mouse offspring generated by ROSI. <i>Journal of Reproduction and Development</i> , 2016 , 62, 37-42	4.1	5
155	Biased Agonism of Three Different Cannabinoid Receptor Agonists in Mouse Brain Cortex. <i>Frontiers in Pharmacology</i> , 2016 , 7, 415	5.6	44
154	Spatial differences in gene expression in the bovine oviduct. <i>Reproduction</i> , 2016 , 152, 37-46	3.8	38
153	Maternal-embryo interaction in the bovine oviduct: Evidence from in vivo and in vitro studies. <i>Theriogenology</i> , 2016 , 86, 443-50	2.8	21
152	Effects of synchronous and asynchronous embryo transfer on postnatal development, adult health, and behavior in mice. <i>Biology of Reproduction</i> , 2015 , 93, 85	3.9	7
151	Heterologous murine and bovine IVF using bottlenose dolphin (<i>Tursiops truncatus</i>) spermatozoa. <i>Theriogenology</i> , 2015 , 84, 983-94	2.8	7
150	The effect of human follicular fluid on bovine oocyte developmental competence and embryo quality. <i>Reproductive BioMedicine Online</i> , 2015 , 30, 203-7	4	16

149	Liver growth factor induces testicular regeneration in EDS-treated rats and increases protein levels of class B scavenger receptors. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E111-21	6	3
148	Why we should not select the faster embryo: lessons from mice and cattle. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 765-75	1.8	12
147	Interaction between differential gene expression profile and phenotype in bovine blastocysts originating from oocytes exposed to elevated non-esterified fatty acid concentrations. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 372-84	1.8	29
146	Tet-mediated imprinting erasure in H19 locus following reprogramming of spermatogonial stem cells to induced pluripotent stem cells. <i>Scientific Reports</i> , 2015 , 5, 13691	4.9	12
145	Effects of vitrification on the expression of pluripotency, apoptotic and stress genes in in vitro-produced porcine blastocysts. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 1072-81	1.8	23
144	Oviduct-Embryo Interactions in Cattle: Two-Way Traffic or a One-Way Street?. <i>Biology of Reproduction</i> , 2015 , 92, 144	3.9	68
143	Characterisation of the deleted in azoospermia like (Dazl)-green fluorescent protein mouse model generated by a two-step embryonic stem cell-based strategy to identify pluripotent and germ cells. <i>Reproduction, Fertility and Development</i> , 2015 ,	1.8	2
142	An efficient system to establish biopsy-derived trophoblastic cell lines from bovine embryos. <i>Biology of Reproduction</i> , 2014 , 91, 15	3.9	13
141	Local activation of uterine Toll-like receptor 2 and 2/6 decreases embryo implantation and affects uterine receptivity in mice. <i>Biology of Reproduction</i> , 2014 , 90, 87	3.9	12
140	Daily supplementation with ghrelin improves in vitro bovine blastocysts formation rate and alters gene expression related to embryo quality. <i>Theriogenology</i> , 2014 , 81, 565-71	2.8	14
139	Germ-cell culture conditions facilitate the production of mouse embryonic stem cells. <i>Molecular Reproduction and Development</i> , 2014 , 81, 794-804	2.6	
138	Ghrelin accelerates in vitro maturation of bovine oocytes. <i>Reproduction in Domestic Animals</i> , 2014 , 49, 665-672	1.6	19
137	Intracytoplasmic sperm injection using DNA-fragmented sperm in mice negatively affects embryo-derived embryonic stem cells, reduces the fertility of male offspring and induces heritable changes in epialleles. <i>PLoS ONE</i> , 2014 , 9, e95625	3.7	14
136	Potential Health Risks Associated to ICSI: Insights from Animal Models and Strategies for a Safe Procedure. <i>Frontiers in Public Health</i> , 2014 , 2, 241	6	15
135	Role of the goat K222-PrP(C) polymorphic variant in prion infection resistance. <i>Journal of Virology</i> , 2014 , 88, 2670-6	6.6	42
134	Transcriptome profiling of liver of non-genetic low birth weight and long term health consequences. <i>BMC Genomics</i> , 2014 , 15, 327	4.5	4
133	Elevated non-esterified fatty acid concentrations during in vitro murine follicle growth alter follicular physiology and reduce oocyte developmental competence. <i>Fertility and Sterility</i> , 2014 , 102, 1769-76.e1	4.8	31
132	Hyperplastic obesity and liver steatosis as long-term consequences of suboptimal in vitro culture of mouse embryos. <i>Biology of Reproduction</i> , 2014 , 91, 30	3.9	10

131	Male fertility is reduced by chronic intermittent hypoxia mimicking sleep apnea in mice. <i>Sleep</i> , 2014 , 37, 1757-65	1.1	41
130	Ovarian response and embryo gene expression patterns after nonsuperovulatory gonadotropin stimulation in primiparous rabbits does. <i>Theriogenology</i> , 2013 , 79, 323-30	2.8	8
129	Embryo gene expression in response to maternal supplementation with glycogenic precursors in the rabbit. <i>Animal Reproduction Science</i> , 2013 , 142, 173-82	2.1	5
128	Effect of the bovine oviductal fluid on in vitro fertilization, development and gene expression of in vitro-produced bovine blastocysts. <i>Reproduction in Domestic Animals</i> , 2013 , 48, 331-8	1.6	36
127	Behavioral, neurochemical and morphological changes induced by the overexpression of munc18-1a in brain of mice: relevance to schizophrenia. <i>Translational Psychiatry</i> , 2013 , 3, e221	8.6	20
126	Treatment with cholesterol-loaded methyl- β -cyclodextrin increased the cholesterol in rabbit oocytes, but did not improve developmental competence of cryopreserved oocytes. <i>Cryobiology</i> , 2013 , 67, 106-8	2.7	6
125	Oocyte developmental failure in response to elevated nonesterified fatty acid concentrations: mechanistic insights. <i>Reproduction</i> , 2013 , 145, 33-44	3.8	95
124	Sex determination of porcine embryos using a new developed duplex polymerase chain reaction procedure based on the amplification of repetitive sequences. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 417-25	1.8	3
123	Most regions of mouse epididymis are able to phagocytose immature germ cells. <i>Reproduction</i> , 2013 , 146, 481-9	3.8	13
122	Spontaneous generation of infectious prion disease in transgenic mice. <i>Emerging Infectious Diseases</i> , 2013 , 19, 1938-47	10.2	15
121	The role of prion protein in stem cell regulation. <i>Reproduction</i> , 2013 , 146, R91-9	3.8	13
120	Postnatal Effects of Sperm Chromatin Damage 2013 , 277-296		
119	Long-term and transgenerational effects of in vitro culture on mouse embryos. <i>Theriogenology</i> , 2012 , 77, 785-93	2.8	53
118	In vitro and in vivo development of mice morulae after storage in non-frozen conditions. <i>Reproductive Biology and Endocrinology</i> , 2012 , 10, 62	5	8
117	Maintenance of Pluripotency in Mouse Stem Cells: Use of Hyaluronan in the Long-Term Culture. <i>Stem Cells and Cancer Stem Cells</i> , 2012 , 123-133		1
116	Reduced Mid1 Expression and Delayed Neuromotor Development in daDREAM Transgenic Mice. <i>Frontiers in Molecular Neuroscience</i> , 2012 , 5, 58	6.1	7
115	Solving the "X" in embryos and stem cells. <i>Stem Cells and Development</i> , 2012 , 21, 1215-24	4.4	15
114	Comparison of four methods to evaluate sperm DNA integrity between mouse caput and cauda epididymidis. <i>Asian Journal of Andrology</i> , 2012 , 14, 335-7	2.8	18

113	Sex-specific embryonic origin of postnatal phenotypic variability. <i>Reproduction, Fertility and Development</i> , 2012 , 25, 38-47	1.8	25
112	HSL-knockout mouse testis exhibits class B scavenger receptor upregulation and disrupted lipid raft microdomains. <i>Journal of Lipid Research</i> , 2012 , 53, 2586-97	6.3	18
111	Male mice produced by in vitro culture have reduced fertility and transmit organomegaly and glucose intolerance to their male offspring. <i>Biology of Reproduction</i> , 2012 , 87, 34	3.9	43
110	Intrafollicular conditions as a major link between maternal metabolism and oocyte quality: a focus on dairy cow fertility. <i>Reproduction, Fertility and Development</i> , 2011 , 24, 1-12	1.8	66
109	Postnatal Effects of Sperm Chromatin Damage 2011 , 465-478		
108	Effect of leptin supplementation during in vitro oocyte maturation and embryo culture on bovine embryo development and gene expression patterns. <i>Theriogenology</i> , 2011 , 75, 887-96	2.8	34
107	Altered gene transcription and telomere length in trout embryo and larvae obtained with DNA cryodamaged sperm. <i>Theriogenology</i> , 2011 , 76, 1234-45	2.8	43
106	Single in vitro bovine embryo production: coculture with autologous cumulus cells, developmental competence, embryo quality and gene expression profiles. <i>Theriogenology</i> , 2011 , 76, 1293-303	2.8	26
105	Effect of leptin during in vitro maturation of prepubertal calf oocytes: embryonic development and relative mRNA abundances of genes involved in apoptosis and oocyte competence. <i>Theriogenology</i> , 2011 , 76, 1706-15	2.8	14
104	Factors affecting porcine sperm mediated gene transfer. <i>Research in Veterinary Science</i> , 2011 , 91, 446-53.5	2.5	24
103	Sheep and goat BSE propagate more efficiently than cattle BSE in human PrP transgenic mice. <i>PLoS Pathogens</i> , 2011 , 7, e1001319	7.6	114
102	Effects of guaiazulene on in vitro bovine embryo production and on mRNA transcripts related to embryo quality. <i>Reproduction in Domestic Animals</i> , 2011 , 46, 862-9	1.6	17
101	Effect of long-term culture of mouse embryonic stem cells under low oxygen concentration as well as on glycosaminoglycan hyaluronan on cell proliferation and differentiation. <i>Cell Proliferation</i> , 2011 , 44, 75-85	7.9	20
100	Effect of liver growth factor on both testicular regeneration and recovery of spermatogenesis in busulfan-treated mice. <i>Reproductive Biology and Endocrinology</i> , 2011 , 9, 21	5	27
99	New challenges in the analysis of gene transcription in bovine blastocysts. <i>Reproduction in Domestic Animals</i> , 2011 , 46 Suppl 3, 2-10	1.6	4
98	Prion protein in ESC regulation. <i>Prion</i> , 2011 , 5, 169-71	2.3	3
97	Transcriptional sexual dimorphism in elongating bovine embryos: implications for XCI and sex determination genes. <i>Reproduction</i> , 2011 , 141, 801-8	3.8	51
96	Transcriptional sexual dimorphism during preimplantation embryo development and its consequences for developmental competence and adult health and disease. <i>Reproduction</i> , 2011 , 141, 563-70	3.8	88

95	Transcriptome changes at the initiation of elongation in the bovine conceptus. <i>Biology of Reproduction</i> , 2011 , 85, 285-95	3.9	49
94	Acute fasting before conception affects metabolic and endocrine status without impacting follicle and oocyte development and embryo gene expression in the rabbit. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 759-68	1.8	16
93	Elevated non-esterified fatty acid concentrations during bovine oocyte maturation compromise early embryo physiology. <i>PLoS ONE</i> , 2011 , 6, e23183	3.7	172
92	Prion protein expression regulates embryonic stem cell pluripotency and differentiation. <i>PLoS ONE</i> , 2011 , 6, e18422	3.7	34
91	Depression-resistant endophenotype in mice overexpressing cannabinoid CB(2) receptors. <i>British Journal of Pharmacology</i> , 2010 , 160, 1773-84	8.6	133
90	Production of transgenic piglets using ICSI-sperm-mediated gene transfer in combination with recombinase RecA. <i>Reproduction</i> , 2010 , 140, 259-72	3.8	42
89	Sex determines the expression level of one third of the actively expressed genes in bovine blastocysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3394-9	11.5	227
88	Oviductal secretions: will they be key factors for the future ARTs?. <i>Molecular Human Reproduction</i> , 2010 , 16, 896-906	4.4	170
87	Histone modifications at the blastocyst Axin1(Fu) locus mark the heritability of in vitro culture-induced epigenetic alterations in mice. <i>Biology of Reproduction</i> , 2010 , 83, 720-7	3.9	62
86	Developmental kinetics and gene expression in male and female bovine embryos produced in vitro with sex-sorted spermatozoa. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 426-36	1.8	59
85	Culture of bovine embryos in intermediate host oviducts with emphasis on the isolated mouse oviduct. <i>Theriogenology</i> , 2010 , 73, 777-85	2.8	33
84	Low oxygen tension during IVM improves bovine oocyte competence and enhances anaerobic glycolysis. <i>Reproductive BioMedicine Online</i> , 2010 , 20, 341-9	4	57
83	The effect of nutritionally induced hyperlipidaemia on in vitro bovine embryo quality. <i>Human Reproduction</i> , 2010 , 25, 768-78	5.7	71
82	Intrafollicular testosterone concentration and sex ratio in individually cultured bovine embryos. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 533-8	1.8	17
81	Effect of genistein supplementation of thawing medium on characteristics of frozen human spermatozoa. <i>Asian Journal of Andrology</i> , 2010 , 12, 431-41	2.8	54
80	Amino acid metabolism of bovine blastocysts: a biomarker of sex and viability. <i>Molecular Reproduction and Development</i> , 2010 , 77, 285-96	2.6	50
79	Effect of exogenous DNA on bovine sperm functionality using the sperm mediated gene transfer (SMGT) technique. <i>Molecular Reproduction and Development</i> , 2010 , 77, 687-98	2.6	26
78	Selection against spermatozoa with fragmented DNA after postovulatory mating depends on the type of damage. <i>Reproductive Biology and Endocrinology</i> , 2010 , 8, 9	5	38

77	Biological differences between in vitro produced bovine embryos and parthenotes. <i>Reproduction</i> , 2009 , 137, 285-95	3.8	47
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