

Alfonso Gutierrez-Adan

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238
papers

9,386
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h-index

87
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247
ext. papers

10,520
ext. citations

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avg. IF

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L-index

#	Paper	IF	Citations
238	Progesterone and conceptus elongation in cattle: a direct effect on the embryo or an indirect effect via the endometrium?. <i>Reproduction</i> , 2009 , 138, 507-17	3.8	423
237	Bovine embryo culture in the presence or absence of serum: implications for blastocyst development, cryotolerance, and messenger RNA expression. <i>Biology of Reproduction</i> , 2003 , 68, 236-43	3.9	366
236	Long-term effect of in vitro culture of mouse embryos with serum on mRNA expression of imprinting genes, development, and behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 5880-5	11.5	309
235	Analysis of differential messenger RNA expression between bovine blastocysts produced in different culture systems: implications for blastocyst quality. <i>Biology of Reproduction</i> , 2002 , 66, 589-95	3.9	267
234	Long-term effects of mouse intracytoplasmic sperm injection with DNA-fragmented sperm on health and behavior of adult offspring. <i>Biology of Reproduction</i> , 2008 , 78, 761-72	3.9	263
233	Temporal divergence in the pattern of messenger RNA expression in bovine embryos cultured from the zygote to blastocyst stage in vitro or in vivo. <i>Biology of Reproduction</i> , 2003 , 69, 1424-31	3.9	229
232	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
231	Oocyte and embryo quality: effect of origin, culture conditions and gene expression patterns. <i>Reproduction in Domestic Animals</i> , 2003 , 38, 259-67	1.6	203
230	Scrotal heat stress effects on sperm viability, sperm DNA integrity, and the offspring sex ratio in mice. <i>Molecular Reproduction and Development</i> , 2008 , 75, 40-7	2.6	202
229	Elevated non-esterified fatty acid concentrations during bovine oocyte maturation compromise early embryo physiology. <i>PLoS ONE</i> , 2011 , 6, e23183	3.7	172
228	Oviductal secretions: will they be key factors for the future ARTs?. <i>Molecular Human Reproduction</i> , 2010 , 16, 896-906	4.4	170
227	Epigenetic differences between male and female bovine blastocysts produced in vitro. <i>Physiological Genomics</i> , 2008 , 32, 264-72	3.6	146
226	Crucial role of CB(2) cannabinoid receptor in the regulation of central immune responses during neuropathic pain. <i>Journal of Neuroscience</i> , 2008 , 28, 12125-35	6.6	145
225	Effect of speed of development on mRNA expression pattern in early bovine embryos cultured in vivo or in vitro. <i>Molecular Reproduction and Development</i> , 2004 , 68, 441-8	2.6	142
224	Isolation of pluripotent stem cells from cultured porcine primordial germ cells. <i>Biology of Reproduction</i> , 1997 , 57, 1089-95	3.9	135
223	Depression-resistant endophenotype in mice overexpressing cannabinoid CB(2) receptors. <i>British Journal of Pharmacology</i> , 2010 , 160, 1773-84	8.6	133
222	Consequences of in vitro culture conditions on embryo development and quality. <i>Reproduction in Domestic Animals</i> , 2008 , 43 Suppl 4, 44-50	1.6	118

221	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
220	Extracellular Vesicles from BOEC in In Vitro Embryo Development and Quality. <i>PLoS ONE</i> , 2016 , 11, e0148983	3.7	107
219	Interferon-gamma is a critical modulator of CB(2) cannabinoid receptor signaling during neuropathic pain. <i>Journal of Neuroscience</i> , 2008 , 28, 12136-45	6.6	106
218	Early detection of PrPres in BSE-infected bovine PrP transgenic mice. <i>Archives of Virology</i> , 2003 , 148, 677-91	2.6	106
217	Differential expression of two genes located on the X chromosome between male and female in vitro-produced bovine embryos at the blastocyst stage. <i>Molecular Reproduction and Development</i> , 2000 , 55, 146-51	2.6	102
216	Influence of glucose on the sex ratio of bovine IVM/IVF embryos cultured in vitro. <i>Reproduction, Fertility and Development</i> , 2001 , 13, 361-5	1.8	101
215	Relationship between time of first cleavage and the expression of IGF-I growth factor, its receptor, and two housekeeping genes in bovine two-cell embryos and blastocysts produced in vitro. <i>Molecular Reproduction and Development</i> , 2000 , 57, 146-52	2.6	97
214	Oocyte developmental failure in response to elevated nonesterified fatty acid concentrations: mechanistic insights. <i>Reproduction</i> , 2013 , 145, 33-44	3.8	95
213	Effect of the in vitro culture system on the kinetics of blastocyst development and sex ratio of bovine embryos. <i>Theriogenology</i> , 2001 , 55, 1117-26	2.8	95
212	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
211	SLUG in cancer development. <i>Oncogene</i> , 2005 , 24, 3073-82	9.2	85
210	Relative messenger RNA abundance in bovine oocytes collected in vitro or in vivo before and 20 hr after the preovulatory luteinizing hormone surge. <i>Molecular Reproduction and Development</i> , 2003 , 66, 297-305	2.6	83
209	Downstream regulatory element antagonist modulator regulates Ca ²⁺ homeostasis and viability in cerebellar neurons. <i>Journal of Neuroscience</i> , 2005 , 25, 10822-30	6.6	81
208	Differential sensitivity of male and female mouse embryos to oxidative induced heat-stress is mediated by glucose-6-phosphate dehydrogenase gene expression. <i>Molecular Reproduction and Development</i> , 2005 , 72, 502-10	2.6	76
207	Effect of bovine oviductal extracellular vesicles on embryo development and quality. <i>Reproduction</i> , 2017 , 153, 461-470	3.8	75
206	The effect of nutritionally induced hyperlipidaemia on in vitro bovine embryo quality. <i>Human Reproduction</i> , 2010 , 25, 768-78	5.7	71
205	Suboptimal in vitro culture conditions: an epigenetic origin of long-term health effects. <i>Molecular Reproduction and Development</i> , 2007 , 74, 1149-56	2.6	69
204	Efficient generation of transgenic mice with intact yeast artificial chromosomes by intracytoplasmic sperm injection. <i>Biology of Reproduction</i> , 2004 , 71, 1943-7	3.9	69

203	Oviduct-Embryo Interactions in Cattle: Two-Way Traffic or a One-Way Street?. <i>Biology of Reproduction</i> , 2015 , 92, 144	3.9	68
202	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
201	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
200	Transcriptional repressor DREAM regulates T-lymphocyte proliferation and cytokine gene expression. <i>EMBO Journal</i> , 2005 , 24, 3555-64	13	66
199	Relationship between stage of development and sex of bovine IVM-IVF embryos cultured in vitro versus in the sheep oviduct. <i>Theriogenology</i> , 1996 , 46, 515-25	2.8	66
198	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
197	Developmental consequences of sexual dimorphism during pre-implantation embryonic development. <i>Reproduction in Domestic Animals</i> , 2006 , 41 Suppl 2, 54-62	1.6	60
196	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
195	Can bovine in vitro-matured oocytes selectively process X- or Y-sorted sperm differentially?. <i>Biology of Reproduction</i> , 2008 , 79, 594-7	3.9	59
194	Low oxygen tension during IVM improves bovine oocyte competence and enhances anaerobic glycolysis. <i>Reproductive BioMedicine Online</i> , 2010 , 20, 341-9	4	57
193	Hyperglycemia-induced apoptosis affects sex ratio of bovine and murine preimplantation embryos. <i>Molecular Reproduction and Development</i> , 2003 , 65, 180-7	2.6	57
192	Effects of oviductal fluid on the development, quality, and gene expression of porcine blastocysts produced in vitro. <i>Reproduction</i> , 2009 , 137, 679-87	3.8	55
191	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
190	Long-term and transgenerational effects of in vitro culture on mouse embryos. <i>Theriogenology</i> , 2012 , 77, 785-93	2.8	53
189	Subclinical bovine spongiform encephalopathy infection in transgenic mice expressing porcine prion protein. <i>Journal of Neuroscience</i> , 2004 , 24, 5063-9	6.6	52
188	Transcriptional sexual dimorphism in elongating bovine embryos: implications for XCI and sex determination genes. <i>Reproduction</i> , 2011 , 141, 801-8	3.8	51
187	Cancer development induced by graded expression of Snail in mice. <i>Human Molecular Genetics</i> , 2005 , 14, 3449-61	5.6	51
186	Analysis of gene transcription alterations at the blastocyst stage related to the long-term consequences of in vitro culture in mice. <i>Reproduction</i> , 2009 , 137, 271-83	3.8	50

185	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
184	Factors from damaged sperm affect its DNA integrity and its ability to promote embryo implantation in mice. <i>Journal of Andrology</i> , 2008 , 29, 47-54		50
183	Transcriptome changes at the initiation of elongation in the bovine conceptus. <i>Biology of Reproduction</i> , 2011 , 85, 285-95	3.9	49
182	Biological differences between in vitro produced bovine embryos and parthenotes. <i>Reproduction</i> , 2009 , 137, 285-95	3.8	47
181	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
180	Biased Agonism of Three Different Cannabinoid Receptor Agonists in Mouse Brain Cortex. <i>Frontiers in Pharmacology</i> , 2016 , 7, 415	5.6	44
179	Oviductal response to gametes and early embryos in mammals. <i>Reproduction</i> , 2016 , 152, R127-41	3.8	43
178	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
177	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
176	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
175	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
174	Improving the generation of genomic-type transgenic mice by ICSI. <i>Transgenic Research</i> , 2007 , 16, 163-8	3.3	42
173	Different behavior toward bovine spongiform encephalopathy infection of bovine prion protein transgenic mice with one extra repeat octapeptide insert mutation. <i>Journal of Neuroscience</i> , 2004 , 24, 2156-64	6.6	42
172	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
171	Male fertility is reduced by chronic intermittent hypoxia mimicking sleep apnea in mice. <i>Sleep</i> , 2014 , 37, 1757-65	1.1	41
170	Effect of sperm treatment on efficiency of EGFP-expressing porcine embryos produced by ICSI-SMGT. <i>Theriogenology</i> , 2009 , 72, 506-18	2.8	38
169	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
168	Spatial differences in gene expression in the bovine oviduct. <i>Reproduction</i> , 2016 , 152, 37-46	3.8	38

167	Sperm selection by thermotaxis improves ICSI outcome in mice. <i>Scientific Reports</i> , 2018 , 8, 2902	4.9	37
166	Effect of flanking matrix attachment regions on the expression of microinjected transgenes during preimplantation development of mouse embryos. <i>Transgenic Research</i> , 2000 , 9, 81-9	3.3	37
165	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
164	Development and pattern of mRNA relative abundance of bovine embryos cultured in the isolated mouse oviduct in organ culture. <i>Molecular Reproduction and Development</i> , 2007 , 74, 716-23	2.6	35
163	Spermatozoa telomeres determine telomere length in early embryos and offspring. <i>Reproduction</i> , 2016 , 151, 1-7	3.8	34
162	The oviduct: from sperm selection to the epigenetic landscape of the embryo. <i>Biology of Reproduction</i> , 2018 , 98, 262-276	3.9	34
161	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
160	Prion protein expression regulates embryonic stem cell pluripotency and differentiation. <i>PLoS ONE</i> , 2011 , 6, e18422	3.7	34
159	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
158	Effect of transgene concentration, flanking matrix attachment regions, and RecA-coating on the efficiency of mouse transgenesis mediated by intracytoplasmic sperm injection. <i>Biology of Reproduction</i> , 2007 , 76, 336-43	3.9	33
157	Effects of hyaluronan, BSA, and serum on bovine embryo in vitro development, ultrastructure, and gene expression patterns. <i>Molecular Reproduction and Development</i> , 2006 , 73, 1503-11	2.6	32
156	Search for the bovine homolog of the murine ped gene and characterization of its messenger RNA expression during bovine preimplantation development. <i>Biology of Reproduction</i> , 2004 , 70, 488-94	3.9	32
155	Species-related differences in blastocyst quality are associated with differences in relative mRNA transcription. <i>Molecular Reproduction and Development</i> , 2004 , 69, 381-6	2.6	32
154	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
153	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
152	Transgenic mice expressing bovine PrP with a four extra repeat octapeptide insert mutation show a spontaneous, non-transmissible, neurodegenerative disease and an expedited course of BSE infection. <i>FEBS Letters</i> , 2005 , 579, 6237-46	3.8	31
151	Vertical transmission of bovine spongiform encephalopathy prions evaluated in a transgenic mouse model. <i>Journal of Virology</i> , 2005 , 79, 8665-8	6.6	31
150	Relationship between non-return rate and chromatin condensation of deep frozen bull spermatozoa. <i>Theriogenology</i> , 2005 , 64, 232-41	2.8	30

149	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
148	Experimental demonstration that pre- and post-conceptual mechanisms influence sex ratio in mouse embryos. <i>Molecular Reproduction and Development</i> , 2003 , 66, 162-5	2.6	28
147	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
146	Embryo responses to stress induced by assisted reproductive technologies. <i>Molecular Reproduction and Development</i> , 2019 , 86, 1292-1306	2.6	26
145	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
144	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
143	Sex-specific embryonic origin of postnatal phenotypic variability. <i>Reproduction, Fertility and Development</i> , 2012 , 25, 38-47	1.8	25
142	SLUG (SNAI2) overexpression in embryonic development. <i>Cytogenetic and Genome Research</i> , 2006 , 114, 24-9	1.9	25
141	Retinoid-dependent mRNA expression and poly-(A) contents in bovine oocytes meiotically arrested and/or matured in vitro. <i>Molecular Reproduction and Development</i> , 2004 , 69, 101-8	2.6	25
140	CMV-driven expression of green fluorescent protein (GFP) in male germ cells of transgenic mice and its effect on fertility. <i>Journal of Developmental and Physical Disabilities</i> , 2001 , 24, 300-5		25
139	Embryo culture in presence of oviductal fluid induces DNA methylation changes in bovine blastocysts. <i>Reproduction</i> , 2017 , 154, 1-12	3.8	24
138	Factors affecting porcine sperm mediated gene transfer. <i>Research in Veterinary Science</i> , 2011 , 91, 446-53	5.5	24
137	Superovulatory response of Murciana goats to treatments based on PMSG/Anti-PMSG or combined FSH/PMSG administration. <i>Theriogenology</i> , 1998 , 50, 357-64	2.8	24
136	The effect of different zwitterionic buffers and PBS used for out-of-incubator procedures during standard in vitro embryo production on development, morphology and gene expression of bovine embryos. <i>Theriogenology</i> , 2008 , 70, 1461-70	2.8	24
135	Effect of ejaculate, bull, and a double swim-up sperm processing method on sperm sex ratio. <i>Zygote</i> , 2003 , 11, 229-35	1.6	24
134	TMEM95 is a sperm membrane protein essential for mammalian fertilization. <i>ELife</i> , 2020 , 9,	8.9	24
133	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
132	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

131	Effect of stem cell activation, culture media of manipulated embryos, and site of embryo transfer in the production of F0 embryonic stem cell mice. <i>Biology of Reproduction</i> , 2009 , 80, 1216-22	3.9	23
130	Expression of the FUS domain restores liposarcoma development in CHOP transgenic mice. <i>Oncogene</i> , 2002 , 21, 1679-84	9.2	23
129	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
128	Early sex-dependent differences in response to environmental stress. <i>Reproduction</i> , 2018 , 155, R39-R51	3.8	21
127	Gene expression in early expanded parthenogenetic and in vitro fertilized bovine blastocysts. <i>Journal of Reproduction and Development</i> , 2009 , 55, 607-14	2.1	21
126	Effect of duration of oocyte maturation on the kinetics of cleavage, embryo yield and sex ratio in cattle. <i>Reproduction, Fertility and Development</i> , 2008 , 20, 734-40	1.8	21
125	Generation of yeast artificial chromosome transgenic mice by intracytoplasmic sperm injection. <i>Methods in Molecular Biology</i> , 2006 , 349, 151-61	1.4	21
124	Transcriptional and post-transcriptional regulation of retrotransposons IAP and MuERV-L affect pluripotency of mice ES cells. <i>Reproductive Biology and Endocrinology</i> , 2006 , 4, 55	5	21
123	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
122	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
121	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
120	Sustained leukaemic phenotype after inactivation of BCR-ABLp190 in mice. <i>Oncogene</i> , 2007 , 26, 1702-13	9.2	20
119	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
118	Ghrelin accelerates in vitro maturation of bovine oocytes. <i>Reproduction in Domestic Animals</i> , 2014 , 49, 665-672	1.6	19
117	Development, molecular composition and freeze tolerance of bovine embryos cultured in TCM-199 supplemented with hyaluronan. <i>Zygote</i> , 2008 , 16, 39-47	1.6	19
116	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
115	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
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	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
112	Reduced susceptibility to bovine spongiform encephalopathy prions in transgenic mice expressing a bovine PrP with five octapeptide repeats. <i>Journal of General Virology</i> , 2007 , 88, 1842-1849	4.9	18
111	The proximal promoter region of mTert is sufficient to regulate telomerase activity in ES cells and transgenic animals. <i>Reproductive Biology and Endocrinology</i> , 2006 , 4, 5	5	18
110	Bovine oviductal and uterine fluid support in vitro embryo development. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 935-945	1.8	18
109	Bovine embryo-oviduct interaction reveals an early cross talk mediated by BMP signaling. <i>Reproduction</i> , 2017 , 153, 631-643	3.8	17
108	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
107	Intrafollicular testosterone concentration and sex ratio in individually cultured bovine embryos. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 533-8	1.8	17
106	Inadvertent transgenesis by conventional ICSI in mice. <i>Human Reproduction</i> , 2005 , 20, 3313-7	5.7	17
105	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
104	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
103	Changes in testosterone or temperature during the in vitro oocyte culture do not alter the sex ratio of bovine embryos. <i>Journal of Experimental Zoology</i> , 2009 , 311, 448-52		16
102	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
101	Global transcriptomic response of bovine endometrium to blastocyst-stage embryos. <i>Reproduction</i> , 2019 , 158, 223-235	3.8	16
100	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
99	Solving the "X" in embryos and stem cells. <i>Stem Cells and Development</i> , 2012 , 21, 1215-24	4.4	15
98	Spontaneous generation of infectious prion disease in transgenic mice. <i>Emerging Infectious Diseases</i> , 2013 , 19, 1938-47	10.2	15
97	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
96	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

95	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
94	Inadvertent presence of pluripotent cells in monolayers derived from differentiated embryoid bodies. <i>International Journal of Developmental Biology</i> , 2007 , 51, 397-407	1.9	14
93	Gene expression and metabolic response of bovine oviduct epithelial cells to the early embryo. <i>Reproduction</i> , 2019 , 158, 85-94	3.8	14
92	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
91	Differential isoform expression and alternative splicing in sex determination in mice. <i>BMC Genomics</i> , 2019 , 20, 202	4.5	13
90	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
89	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
88	An efficient system to establish biopsy-derived trophoblastic cell lines from bovine embryos. <i>Biology of Reproduction</i> , 2014 , 91, 15	3.9	13
87	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
86	Most regions of mouse epididymis are able to phagocytose immature germ cells. <i>Reproduction</i> , 2013 , 146, 481-9	3.8	13
85	The role of prion protein in stem cell regulation. <i>Reproduction</i> , 2013 , 146, R91-9	3.8	13
84	Antioxidant Nobiletin Enhances Oocyte Maturation and Subsequent Embryo Development and Quality. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
83	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
82	Sexually Dimorphic Gene Expression in Bovine Conceptuses at the Initiation of Implantation. <i>Biology of Reproduction</i> , 2016 , 95, 92	3.9	12
81	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
80	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
79	Mouse ICSI with frozen-thawed sperm: the impact of sperm freezing procedure and sperm donor strain. <i>Molecular Reproduction and Development</i> , 2003 , 66, 98-103	2.6	12
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