

Cell death in the mammalian blastocyst

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Increased Incidence of Apoptosis in Transforming Growth Factor β -Deficient Mouse Blastocysts ¹ . <i>Biology of Reproduction</i> , 1998, 59, 136-144.	1.2	105
2	Annexin V labelling and terminal transferase-mediated DNA end labelling (TUNEL) assay in human arrested embryos. <i>Molecular Human Reproduction</i> , 1998, 4, 775-783.	1.3	53
3	The impact of cellular fragmentation induced experimentally at different stages of mouse preimplantation development. <i>Human Reproduction</i> , 1998, 13, 1307-1311.	0.4	12
4	Biochemical evidence for autocrine/paracrine regulation of apoptosis in cultured uterine epithelial cells during mouse embryo implantation in vitro. <i>Molecular Human Reproduction</i> , 1998, 4, 990-998.	1.3	54
5	Variability in the expression of trophoctodermal markers β -human chorionic gonadotrophin, human leukocyte antigen-G and pregnancy specific β -1 glycoprotein by the human blastocyst. <i>Human Reproduction</i> , 1999, 14, 1852-1858.	0.4	100
6	Oncogenes and tumour suppressor genes in first trimester human fetal gonadal development. <i>Molecular Human Reproduction</i> , 1999, 5, 737-741.	1.3	30
7	Expression of Caspase and BCL-2 Apoptotic Family Members in Mouse Preimplantation Embryos ¹ . <i>Biology of Reproduction</i> , 1999, 61, 231-239.	1.2	160
8	The role of apoptosis in normal and abnormal embryonic development. <i>Journal of Assisted Reproduction and Genetics</i> , 1999, 16, 512-519.	1.2	157
9	Apoptosis in the human embryo. <i>Reproduction</i> , 1999, 4, 125-134.	2.0	241
10	Apoptosis in the early bovine embryo. <i>Zygote</i> , 2000, 8, 57-68.	0.5	150
11	Deletion of <i>Dad1</i> in mice induces an apoptosis-associated embryonic death. <i>Genesis</i> , 2000, 26, 271-278.	0.8	51
12	Amino Acids and Preimplantation Development of the Mouse in Protein-Free Potassium Simplex Optimized Medium ¹ . <i>Biology of Reproduction</i> , 2000, 63, 281-293.	1.2	209
13	Anti-Apoptotic Action of Insulin-Like Growth Factor-I During Human Preimplantation Embryo Development. <i>Biology of Reproduction</i> , 2000, 63, 1413-1420.	1.2	148
14	Apoptosis in mammalian preimplantation embryos: Regulation by survival factors. <i>Human Fertility</i> , 2000, 3, 36-47.	0.7	74
15	In vitro development and metabolism of the human embryo up to the blastocyst stage. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2000, 92, 51-56.	0.5	35
16	Human oviductal cells reduce the incidence of apoptosis in cocultured mouse embryos. <i>Fertility and Sterility</i> , 2000, 74, 1215-1219.	0.5	39
17	Embryo fragmentation in vitro and its impact on treatment and pregnancy outcome. <i>Fertility and Sterility</i> , 2001, 76, 281-285.	0.5	121
18	Genetic regulation of preimplantation embryo survival. <i>Current Topics in Developmental Biology</i> , 2001, 52, 151-192.	1.0	35

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19	Genetic regulation of embryo death and senescence. <i>Theriogenology</i> , 2001, 55, 171-191.	0.9	136
20	Ablation of paternal accessory sex glands is detrimental to embryo development during implantation. <i>Anatomy and Embryology</i> , 2001, 203, 255-263.	1.5	16
21	Estrogenic upregulation of DNA polymerase β in oocytes of preovulatory ovine follicles. <i>Molecular Reproduction and Development</i> , 2001, 58, 417-423.	1.0	19
22	The effects of antibodies to heat shock protein 70 in fertilization and embryo development. <i>Molecular Human Reproduction</i> , 2001, 7, 829-837.	1.3	101
23	Granulocyte-Macrophage Colony-Stimulating Factor Promotes Glucose Transport and Blastomere Viability in Murine Preimplantation Embryos ¹ . <i>Biology of Reproduction</i> , 2001, 64, 1206-1215.	1.2	165
24	From cell death to embryo arrest: Mathematical models of human preimplantation embryo development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 1655-1660.	3.3	170
25	Identification of Caspase-3 and Caspase-Activated Deoxyribonuclease in Rat Blastocysts and Their Implication in the Induction of Chromatin Degradation (but Not Nuclear Fragmentation) by High Glucose ¹ . <i>Biology of Reproduction</i> , 2001, 64, 555-562.	1.2	29
26	Expression and Role of Bcl-2 in Rat Blastocysts Exposed to High D-Glucose. <i>Diabetes</i> , 2001, 50, 143-149.	0.3	35
27	Mitochondrial DNA Instability and Peri-Implantation Lethality Associated with Targeted Disruption of Nuclear Respiratory Factor 1 in Mice. <i>Molecular and Cellular Biology</i> , 2001, 21, 644-654.	1.1	211
28	Expression of Fas and Fas ligand mRNA in rat and human preimplantation embryos. <i>Molecular Human Reproduction</i> , 2001, 7, 431-436.	1.3	26
29	A Comparative Study of Gene Expression in Murine Embryos Developed In Vivo, Cultured In Vitro, and Cocultured with Human Oviductal Cells Using Messenger Ribonucleic Acid Differential Display ¹ . <i>Biology of Reproduction</i> , 2001, 64, 910-917.	1.2	55
30	Genetic regulation of preimplantation embryo survival. <i>International Review of Cytology</i> , 2001, 210, 1-37.	6.2	41
31	Apoptosis and Cell Proliferation Potential of Bovine Embryos Stimulated with Insulin-Like Growth Factor I During In Vitro Maturation and Culture ¹ . <i>Biology of Reproduction</i> , 2002, 66, 386-392.	1.2	154
32	Haploidy but Not Parthenogenetic Activation Leads to Increased Incidence of Apoptosis in Mouse Embryos ¹ . <i>Biology of Reproduction</i> , 2002, 66, 204-210.	1.2	82
33	Cell allocation and cell death in blastocysts from nonhuman primates generated during in vitro fertilization and intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2002, 77, 1083-1085.	0.5	6
34	Fundamentals of human embryonic growth in vitro and the selection of high-quality embryos for transfer. <i>Reproductive BioMedicine Online</i> , 2002, 5, 328-350.	1.1	74
35	Cell Cycle Synchronization of Porcine Fetal Fibroblasts by Serum Deprivation Initiates a Nonconventional Form of Apoptosis. <i>Cloning and Stem Cells</i> , 2002, 4, 231-243.	2.6	46
36	Analysis of DNA fragmentation of in vitro cultured bovine blastocysts using TUNEL. <i>Theriogenology</i> , 2002, 57, 2193-2202.	0.9	61

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37	Mathematical models of the balance between apoptosis and proliferation. Apoptosis: an International Journal on Programmed Cell Death, 2002, 7, 373-381.	2.2	45
38	Predictive variables of in vitro fertilization and pre-implantation embryo development in the mouse. Molecular Reproduction and Development, 2002, 63, 38-46.	1.0	3
39	Apoptosis in the preimplantation mouse embryo: Effect of strain difference and in vitro culture. Molecular Reproduction and Development, 2002, 61, 67-77.	1.0	87
40	Growth hormone inhibits apoptosis in in vitro produced bovine embryos. Molecular Reproduction and Development, 2002, 61, 180-186.	1.0	55
41	Einfluss des Wachstumshormons und verschiedener Wachstumsfaktoren auf die Entwicklung von Säugetierembryonen in vitro. Reproduktionsmedizin, 2003, 19, 40-47.	0.1	0
42	Expression of apoptosis-related genes during human preimplantation embryo development: potential roles for the Harakiri gene product and Caspase-3 in blastomere fragmentation. Molecular Human Reproduction, 2003, 9, 133-141.	1.3	90
43	Influence of oxygen tension on apoptosis and hatching in bovine embryos cultured in vitro. Theriogenology, 2003, 59, 1585-1596.	0.9	100
44	Induced cell death of preimplantation mouse embryos cultured in vitro evaluated by comet assay. Theriogenology, 2003, 60, 691-706.	0.9	15
45	Maintenance of the Inner Cell Mass in Human Blastocysts from Fragmented Embryos. Biology of Reproduction, 2003, 68, 1165-1169.	1.2	126
46	Differences in embryonic development in sensitive and resistant matings to pregnancy block stimuli in mice. Reproduction, 2003, 126, 327-335.	1.1	12
47	Identification of Caspase-6 in Rat Blastocysts and Its Implication in the Induction of Apoptosis by High Glucose. Biology of Reproduction, 2003, 68, 1808-1812.	1.2	20
48	Consequences of In Vivo Development and Subsequent Culture on Apoptosis, Cell Number, and Blastocyst Formation in Bovine Embryos. Biology of Reproduction, 2003, 69, 1371-1378.	1.2	97
49	Chronology of Apoptosis in Bovine Embryos Produced In Vivo and In Vitro. Biology of Reproduction, 2003, 69, 1193-1200.	1.2	188
50	Effects of Leptin and Leukemia Inhibitory Factor on Preimplantation Development and STAT3 Signaling of Mouse Embryos In Vitro. Biology of Reproduction, 2003, 69, 1531-1538.	1.2	61
51	Endonuclease G is required for early embryogenesis and normal apoptosis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15782-15787.	3.3	84
52	Using TUNEL in Combination with an Active Caspase-3 Immunoassay to Identify Cells Undergoing Apoptosis in Preimplantation Mammalian Embryos. , 2004, 254, 393-406.		9
53	Soluble Fas Concentrations in the Follicular Fluid and Oocyte-Cumulus Complex Culture Medium From Women Undergoing In Vitro Fertilization: Association With Oocyte Maturity, Fertilization, and Embryo Quality. Journal of the Society for Gynecologic Investigation, 2004, 11, 566-569.	1.9	13
54	Expression of Smac/DIABLO in mouse preimplantation embryos and its correlation to apoptosis and fragmentation. Molecular Human Reproduction, 2004, 11, 183-188.	1.3	9

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55	The Embryo and Its Future1. <i>Biology of Reproduction</i> , 2004, 71, 1046-1054.	1.2	292
56	Embryotrophic factor-3 from human oviductal cells enhances proliferation, suppresses apoptosis and stimulates the expression of the β 1 subunit of sodium-potassium ATPase in mouse embryos. <i>Human Reproduction</i> , 2004, 19, 2919-2926.	0.4	16
57	Fluorescence in situ hybridization analysis of two blastomeres from day 3 frozen-thawed embryos followed by analysis of the remaining embryo on day 5. <i>Human Reproduction</i> , 2004, 19, 685-693.	0.4	87
58	Estradiol and Its Membrane-Impermeable Conjugate (Estradiol-Bovine Serum Albumin) During In Vitro Maturation of Bovine Oocytes: Effects on Nuclear and Cytoplasmic Maturation, Cytoskeleton, and Embryo Quality. <i>Biology of Reproduction</i> , 2004, 70, 1465-1474.	1.2	60
59	Apoptosis in Parthenogenetic Preimplantation Porcine Embryos1. <i>Biology of Reproduction</i> , 2004, 70, 1644-1649.	1.2	78
60	Improved embryo development with decreased apoptosis in blastomeres after the treatment of cloned bovine embryos with β -mercaptoethanol and hemoglobin. <i>Molecular Reproduction and Development</i> , 2004, 67, 200-206.	1.0	12
61	Incidence of apoptosis in clone embryos and improved development by the treatment of donor somatic cells with putative apoptosis inhibitors. <i>Molecular Reproduction and Development</i> , 2004, 68, 65-71.	1.0	29
62	Differential growth, cell proliferation, and apoptosis of mouse embryo in various culture media and in coculture. <i>Molecular Reproduction and Development</i> , 2004, 68, 72-80.	1.0	25
63	Expression of 11 members of the BCL-2 family of apoptosis regulatory molecules during human preimplantation embryo development and fragmentation. <i>Molecular Reproduction and Development</i> , 2004, 68, 35-50.	1.0	94
64	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, 441-448.	1.0	159
65	Exogenous β -glutamyl cycle compounds supplemented to in vitro maturation medium influence in vitro fertilization, culture, and viability parameters of porcine oocytes and embryos. <i>Theriogenology</i> , 2004, 62, 311-322.	0.9	32
66	Effects of oxygen tension on the development and quality of porcine in vitro fertilized embryos. <i>Theriogenology</i> , 2004, 62, 1585-1595.	0.9	61
67	Inhibitory effect of IGF-I on induced apoptosis in mouse preimplantation embryos cultured in vitro. <i>Theriogenology</i> , 2004, 61, 745-755.	0.9	61
68	Evaluation of viability and apoptosis in horse embryos stored under different conditions at 5 $^{\circ}$ C. <i>Theriogenology</i> , 2004, 61, 921-932.	0.9	20
69	p66shc, but not p53, is involved in early arrest of in vitro-produced bovine embryos. <i>Molecular Human Reproduction</i> , 2004, 10, 383-392.	1.3	57
70	Ultrastructure and cell death of in vivo derived and vitrified porcine blastocysts. <i>Molecular Reproduction and Development</i> , 2005, 70, 155-165.	1.0	53
71	Efficiency of gene transfection into donor cells for nuclear transfer of bovine embryos. <i>Molecular Reproduction and Development</i> , 2005, 72, 191-200.	1.0	11
72	Parthenogenetic and nuclear transfer rabbit embryo development and apoptosis after activation treatments. <i>Molecular Reproduction and Development</i> , 2005, 72, 48-53.	1.0	9

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73	Chronological Appearance of Apoptosis in Bovine Embryos Reconstructed by Somatic Cell Nuclear Transfer from Quiescent Granulosa Cells. <i>Reproduction in Domestic Animals</i> , 2005, 40, 210-216.	0.6	23
74	Analysis of DNA Fragmentation of Porcine Embryos Exposed to Cryoprotectants. <i>Reproduction in Domestic Animals</i> , 2005, 40, 429-432.	0.6	30
75	Molecular mechanisms of trophoblast survival: From implantation to birth. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2005, 75, 262-280.	3.6	26
76	Pathophysiological implication of ganglioside GM3 in early mouse embryonic development through apoptosis. <i>Archives of Pharmacal Research</i> , 2005, 28, 1057-1064.	2.7	14
77	Preliminary Experience with Low Concentration of Granulocyte-Macrophage Colony-Stimulating Factor: A Potential Regulator in Preimplantation Mouse Embryo Development and Apoptosis. <i>Journal of Assisted Reproduction and Genetics</i> , 2005, 22, 25-32.	1.2	36
78	Apoptosis in rabbit embryos produced by fertilization or nuclear transfer with fibroblasts and cumulus cells. <i>Reproduction</i> , 2005, 130, 359-366.	1.1	5
79	Ginkgolides induce apoptosis and decrease cell numbers in mouse blastocysts. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 1263-1267.	1.0	52
80	Differences in the incidence of apoptosis between in vivo and in vitro produced blastocysts of farm animal species: a comparative study. <i>Theriogenology</i> , 2005, 63, 2254-2268.	0.9	136
81	Apoptotic processes during mammalian preimplantation development. <i>Theriogenology</i> , 2005, 64, 221-231.	0.9	79
82	The incidence of apoptosis after IVF with morphologically abnormal bovine spermatozoa. <i>Theriogenology</i> , 2005, 64, 1404-1421.	0.9	19
83	Differential staining combined with TUNEL labelling to detect apoptosis in preimplantation bovine embryos. <i>Reproductive BioMedicine Online</i> , 2005, 10, 497-502.	1.1	91
84	Effects of peritoneal fluid on preimplantation mouse embryo development and apoptosis in vitro. <i>Reproductive BioMedicine Online</i> , 2005, 11, 615-619.	1.1	12
85	Predictive factors for embryo implantation potential. <i>Reproductive BioMedicine Online</i> , 2005, 10, 653-668.	1.1	85
86	Expression of genes regulating chromosome segregation, the cell cycle and apoptosis during human preimplantation development. <i>Human Reproduction</i> , 2005, 20, 1339-1348.	0.4	135
87	Higher survival rate of vitrified and thawed in vitro produced bovine blastocysts following culture in defined medium supplemented with β -mercaptoethanol. <i>Animal Reproduction Science</i> , 2006, 93, 61-75.	0.5	38
88	Early cleavage morphology affects the quality and implantation potential of day 3 embryos. <i>Fertility and Sterility</i> , 2006, 85, 358-365.	0.5	38
89	Embryotrophic effects of ethylenediaminetetraacetic acid and hemoglobin on in vitro porcine embryos development. <i>Theriogenology</i> , 2006, 66, 449-455.	0.9	21
90	The periconceptual and embryonic period. , 0, , 51-61.		0

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91	Apoptosis-independent Poor Morphology of Bovine Embryos Produced by Multiple Ovulation. <i>Reproduction in Domestic Animals</i> , 2006, 41, 383-385.	0.6	5
92	Addition of glutathione or thioredoxin to culture medium reduces intracellular redox status of porcine IVM/IVF embryos, resulting in improved development to the blastocyst stage. <i>Molecular Reproduction and Development</i> , 2006, 73, 998-1007.	1.0	60
93	Embryonic loss due to exposure to polycyclic aromatic hydrocarbons is mediated by Bax. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1413-1425.	2.2	56
94	Ginkgolide B induces apoptosis and developmental injury in mouse embryonic stem cells and blastocysts. <i>Human Reproduction</i> , 2006, 21, 2985-2995.	0.4	86
95	The analysis of one or two blastomeres for PGD using fluorescence in-situ hybridization. <i>Human Reproduction</i> , 2006, 21, 2396-2402.	0.4	34
96	Developmental Effects of Sublethal Mitochondrial Injury in Mouse Oocytes ¹ . <i>Biology of Reproduction</i> , 2006, 74, 969-977.	1.2	48
97	The absence of a Ca ²⁺ signal during mouse egg activation can affect parthenogenetic preimplantation development, gene expression patterns, and blastocyst quality. <i>Reproduction</i> , 2006, 132, 45-57.	1.1	62
98	The Murine Ortholog of Notchless , a Direct Regulator of the Notch Pathway in <i>Drosophila melanogaster</i> , Is Essential for Survival of Inner Cell Mass Cells. <i>Molecular and Cellular Biology</i> , 2006, 26, 3541-3549.	1.1	24
99	Glucose utilization and the PI3-K pathway: mechanisms for cell survival in preimplantation embryos. <i>Reproduction</i> , 2006, 131, 823-835.	1.1	59
100	Prostacyclin receptor signaling and early embryo development in the mouse. <i>Human Reproduction</i> , 2007, 22, 2851-2856.	0.4	25
101	The Influence of Nuclear Content on Developmental Competence of Gaur × Cattle Hybrid In Vitro Fertilized and Somatic Cell Nuclear Transfer Embryos ¹ . <i>Biology of Reproduction</i> , 2007, 76, 514-523.	1.2	52
102	Effects of light on development of mammalian zygotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14289-14293.	3.3	147
103	Piezo-assisted nuclear transfer affects cloning efficiency and may cause apoptosis. <i>Reproduction</i> , 2007, 133, 947-954.	1.1	64
104	Citrinin induces apoptosis via a mitochondria-dependent pathway and inhibition of survival signals in embryonic stem cells, and causes developmental injury in blastocysts. <i>Biochemical Journal</i> , 2007, 404, 317-326.	1.7	87
105	Stimulation of embryo hatching and implantation by prostacyclin and peroxisome proliferator-activated receptor γ activation: implication in IVF. <i>Human Reproduction</i> , 2007, 22, 807-814.	0.4	44
106	Developmental competence of bovine oocytes is not related to apoptosis incidence in oocytes, cumulus cells and blastocysts. <i>Theriogenology</i> , 2007, 67, 537-549.	0.9	49
107	The effectiveness of the stereomicroscopic evaluation of embryo quality in vitrified-warmed porcine blastocysts: An ultrastructural and cell death study. <i>Theriogenology</i> , 2007, 67, 970-982.	0.9	31
108	Effect of ICSI and embryo biopsy on embryo development and apoptosis according to oocyte diameter in prepubertal goats. <i>Theriogenology</i> , 2007, 67, 1399-1408.	0.9	19

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109	Supplements to in vitro maturation media affect the production of bovine blastocysts and their apoptotic index but not the proportions of matured and apoptotic oocytes. <i>Animal Reproduction Science</i> , 2007, 97, 334-343.	0.5	47
110	Heat-shock proteins modulate the incidence of apoptosis and oxidative stress in preimplantation mouse embryos. <i>Fertility and Sterility</i> , 2007, 87, 1214-1217.	0.5	21
111	Gene expression in the <i>in vitro</i> -produced preimplantation bovine embryos. <i>Zygote</i> , 2007, 15, 355-367.	0.5	22
112	The oxidative stress adaptor p66Shc is required for permanent embryo arrest in vitro. <i>BMC Developmental Biology</i> , 2007, 7, 132.	2.1	50
113	Adaptation to culture of human embryonic stem cells and oncogenesis in vivo. <i>Nature Biotechnology</i> , 2007, 25, 207-215.	9.4	603
114	Effect of genistein on mouse blastocyst development in vitro. <i>Acta Pharmacologica Sinica</i> , 2007, 28, 238-245.	2.8	19
115	Cell death in health and disease. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 1214-1224.	1.6	173
116	Effect of citrinin on mouse embryonic development in vitro and in vivo. <i>Reproductive Toxicology</i> , 2007, 24, 120-125.	1.3	53
117	Maturation medium supplements affect transcript level of apoptosis and cell survival related genes in bovine blastocysts produced in vitro. <i>Molecular Reproduction and Development</i> , 2007, 74, 280-289.	1.0	63
118	Heat stress-induced apoptosis in porcine in vitro fertilized and parthenogenetic preimplantation-stage embryos. <i>Molecular Reproduction and Development</i> , 2007, 74, 574-581.	1.0	33
119	Active caspase-3 and ultrastructural evidence of apoptosis in spontaneous and induced cell death in bovine in vitro produced pre-implantation embryos. <i>Molecular Reproduction and Development</i> , 2007, 74, 961-971.	1.0	26
120	Granulocyte-macrophage colony stimulating factor (GM-CSF) and co-culture can affect post-thaw development and apoptosis in cryopreserved embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2007, 24, 215-222.	1.2	30
121	Protective effects of resveratrol on ethanol-induced apoptosis in embryonic stem cells and disruption of embryonic development in mouse blastocysts. <i>Toxicology</i> , 2007, 242, 109-122.	2.0	67
122	Palatal seam disintegration: To die or not to die? that is no longer the question. <i>Developmental Dynamics</i> , 2008, 237, 2643-2656.	0.8	71
123	Effects of citrinin on maturation of mouse oocytes, fertilization, and fetal development in vitro and in vivo. <i>Toxicology Letters</i> , 2008, 180, 28-32.	0.4	43
124	TGF β and EGFR in ovine preimplantation embryos and effects on development. <i>Animal Reproduction Science</i> , 2008, 104, 370-381.	0.5	10
125	Cyclooxygenase-2-derived endogenous prostacyclin reduces apoptosis and enhances embryo viability in mouse. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2008, 79, 27-33.	1.0	30
126	Permanent embryo arrest: molecular and cellular concepts. <i>Molecular Human Reproduction</i> , 2008, 14, 445-453.	1.3	107

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128	PPARs and Female Reproduction: Evidence from Genetically Manipulated Mice. <i>PPAR Research</i> , 2008, 2008, 1-8.	1.1	29
129	High levels of anandamide, an endogenous cannabinoid, block the growth of sheep preimplantation embryos by inducing apoptosis and reversible arrest of cell proliferation. <i>Human Reproduction</i> , 2008, 23, 2331-2338.	0.4	21
130	Mitogen-activated protein kinase (MAPK) pathways mediate embryonic responses to culture medium osmolarity by regulating Aquaporin 3 and 9 expression and localization, as well as embryonic apoptosis. <i>Human Reproduction</i> , 2009, 24, 1373-1386.	0.4	59
131	Pertinence of Apoptosis Markers for the Improvement of In Vitro Fertilization (IVF). <i>Current Medicinal Chemistry</i> , 2009, 16, 1905-1916.	1.2	34
132	Apoptosis of transgenic cloned and re-cloned bovine blastocysts. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 821-826.	1.8	1
133	Impact of genistein on maturation of mouse oocytes, fertilization, and fetal development. <i>Reproductive Toxicology</i> , 2009, 28, 52-58.	1.3	62
134	Impact effects of puerarin on mouse embryonic development. <i>Reproductive Toxicology</i> , 2009, 28, 530-535.	1.3	34
135	Cytogenetic analysis of human embryos and embryonic stem cells derived from monopronuclear zygotes. <i>Journal of Assisted Reproduction and Genetics</i> , 2009, 26, 583-589.	1.2	23
136	A quantification model for apoptosis in mouse embryos in the early stage of fetation. <i>Science in China Series C: Life Sciences</i> , 2009, 52, 922-927.	1.3	1
137	Expression of Apoptosis Regulatory Genes and Incidence of Apoptosis in Different Morphological Quality Groups of In Vitro-produced Bovine Pre-implantation Embryos. <i>Reproduction in Domestic Animals</i> , 2009, 45, 915-21.	0.6	30
138	A link between the interleukin-6/Stat3 anti-apoptotic pathway and microRNA-21 in preimplantation mouse embryos. <i>Molecular Reproduction and Development</i> , 2009, 76, 854-862.	1.0	39
139	Incidence of apoptosis in parthenogenetic porcine embryos generated by using protein kinase or protein synthesis inhibitors. <i>Animal Reproduction Science</i> , 2009, 112, 261-272.	0.5	6
140	Effect of the apoptosis rate observed in oocytes and cumulus cells on embryo development in prepubertal goats. <i>Animal Reproduction Science</i> , 2009, 116, 95-106.	0.5	21
141	Injury effects of ginkgolide B on maturation of mouse oocytes, fertilization, and fetal development in vitro and in vivo. <i>Toxicology Letters</i> , 2009, 188, 63-69.	0.4	22
142	Cytotoxic Effects of CdSe Quantum Dots on Maturation of Mouse Oocytes, Fertilization, and Fetal Development. <i>International Journal of Molecular Sciences</i> , 2009, 10, 2122-2135.	1.8	62
143	Comparison of Development and the Incorporation of Glucose and Methionine between Parthenogenic and Fertilized Mouse Embryos. <i>Journal of Mammalian Ova Research</i> , 2009, 26, 145-152.	0.1	0
144	Effect of preantral mouse follicle culture period on meiotic maturation and developmental competence of oocytes. <i>Reproductive Medicine and Biology</i> , 2010, 9, 83-89.	1.0	5
145	Developmental consequences of alternative <i>Bcl-2</i> splicing during preimplantation embryo development. <i>FEBS Journal</i> , 2010, 277, 1219-1233.	2.2	10

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146	Sox2 Is Essential for Formation of Trophectoderm in the Preimplantation Embryo. PLoS ONE, 2010, 5, e13952.	1.1	173
147	Hazardous Apoptotic Effects of 2-Bromopropane on Maturation of Mouse Oocytes, Fertilization, and Fetal Development. International Journal of Molecular Sciences, 2010, 11, 4361-4380.	1.8	5
148	Cytotoxic Effects of 2-Bromopropane on Embryonic Development in Mouse Blastocysts. International Journal of Molecular Sciences, 2010, 11, 731-744.	1.8	11
149	Methylglyoxal has injurious effects on maturation of mouse oocytes, fertilization, and fetal development, via apoptosis. Toxicology Letters, 2010, 193, 217-223.	0.4	27
151	Incidence of chromosomal mosaicism in morphologically normal nonhuman primate preimplantation embryos. Fertility and Sterility, 2010, 93, 2545-2550.	0.5	29
152	Induction of cytotoxicity and apoptosis in mouse blastocysts by silver nanoparticles. Toxicology Letters, 2010, 197, 82-87.	0.4	101
153	Epicatechin Gallate Decreases the Viability and Subsequent Embryonic Development of Mouse Blastocysts. Taiwanese Journal of Obstetrics and Gynecology, 2010, 49, 174-180.	0.5	12
154	Hazardous Effects of Curcumin on Mouse Embryonic Development through a Mitochondria-Dependent Apoptotic Signaling Pathway. International Journal of Molecular Sciences, 2010, 11, 2839-2855.	1.8	39
155	The effect of nutritionally induced hyperlipidaemia on in vitro bovine embryo quality. Human Reproduction, 2010, 25, 768-778.	0.4	75
156	Pathogenesis, developmental consequences, and clinical correlations of human embryo fragmentation. Fertility and Sterility, 2011, 95, 1197-1204.	0.5	44
157	Embryonic toxicity of sanguinarine through apoptotic processes in mouse blastocysts. Toxicology Letters, 2011, 205, 285-292.	0.4	36
158	Analysis of DNA fragmentation in mouse embryos exposed to an extremely low-frequency electromagnetic field. Electromagnetic Biology and Medicine, 2011, 30, 246-252.	0.7	23
159	Oxamflatin Significantly Improves Nuclear Reprogramming, Blastocyst Quality, and In Vitro Development of Bovine SCNT Embryos. PLoS ONE, 2011, 6, e23805.	1.1	76
160	miR-135A Regulates Preimplantation Embryo Development through Down-Regulation of E3 Ubiquitin Ligase Seven in Absentia Homolog 1A (SIAH1A) Expression. PLoS ONE, 2011, 6, e27878.	1.1	32
161	Nonmitogenic survival-enhancing autocrine factors including cyclophilin A contribute to density-dependent mouse embryonic stem cell growth. Stem Cell Research, 2011, 6, 168-176.	0.3	14
162	Detrimental effects of antibiotics on mouse embryos in chromatin integrity, apoptosis and expression of zygotically activated genes. Zygote, 2011, 19, 137-145.	0.5	9
163	Trichostatin A Modulates Apoptotic-Related Gene Expression and Improves Embryo Viability in Cloned Bovine Embryos. Cellular Reprogramming, 2011, 13, 179-189.	0.5	51
164	Resveratrol Protects against 2-Bromopropane-Induced Apoptosis and Disruption of Embryonic Development in Blastocysts. International Journal of Molecular Sciences, 2011, 12, 4991-5010.	1.8	7

#	ARTICLE	IF	CITATIONS
165	Injurious Effects of Curcumin on Maturation of Mouse Oocytes, Fertilization and Fetal Development via Apoptosis. <i>International Journal of Molecular Sciences</i> , 2012, 13, 4655-4672.	1.8	28
166	Injurious Effects of Emodin on Maturation of Mouse Oocytes, Fertilization and Fetal Development via Apoptosis. <i>International Journal of Molecular Sciences</i> , 2012, 13, 13911-13925.	1.8	20
167	Dihydrolipoic Acid Induces Cytotoxicity in Mouse Blastocysts through Apoptosis Processes. <i>International Journal of Molecular Sciences</i> , 2012, 13, 3988-4002.	1.8	8
168	The blastocyst. <i>Human Reproduction</i> , 2012, 27, i72-i91.	0.4	60
169	Emodin induces embryonic toxicity in mouse blastocysts through apoptosis. <i>Toxicology</i> , 2012, 299, 25-32.	2.0	42
170	Investigation into Developmental Potential and Nuclear/Mitochondrial Function in Early Wood and Plains Bison Hybrid Embryos*. <i>Reproduction in Domestic Animals</i> , 2012, 47, 644-654.	0.6	3
171	Retinoic acid influences the embryoid body formation in mouse embryonic stem cells by induction of caspase and p38 MAPK/JNK-mediated apoptosis. <i>Environmental Toxicology</i> , 2013, 28, 190-200.	2.1	8
172	Mitochondrial DNA content in embryo culture medium is significantly associated with human embryo fragmentation. <i>Human Reproduction</i> , 2013, 28, 2652-2660.	0.4	118
173	Effect of <i>in vitro</i> Manipulation on Development of Pre-implantation Embryos: Lecture of Light Effects. <i>Journal of Mammalian Ova Research</i> , 2013, 30, 120-126.	0.1	0
174	Chitosan Nanoparticles Cause Pre- and Postimplantation Embryo Complications in Mice ¹ . <i>Biology of Reproduction</i> , 2013, 88, 88.	1.2	26
175	Forced collapse of the blastocoel enhances survival of cryotop vitrified bovine hatching/hatched blastocysts derived from <i>in vitro</i> fertilization and somatic cell nuclear transfer. <i>Cryobiology</i> , 2013, 66, 195-199.	0.3	11
176	PDGF signaling is required for primitive endoderm cell survival in the inner cell mass of the mouse blastocyst. <i>Stem Cells</i> , 2013, 31, 1932-1941.	1.4	51
177	p38 MAP kinase and ERK play an important role in nitric oxide-induced apoptosis of the mouse embryonic stem cells. <i>Toxicology in Vitro</i> , 2013, 27, 492-498.	1.1	15
178	Ochratoxin A Inhibits Mouse Embryonic Development by Activating a Mitochondrion-Dependent Apoptotic Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2013, 14, 935-953.	1.8	42
179	Cathepsin B activity has a crucial role in the developmental competence of bovine cumulus-oocyte complexes exposed to heat shock during <i>in vitro</i> maturation. <i>Reproduction</i> , 2013, 146, 407-417.	1.1	44
180	Effect of Histone Deacetylase Inhibitor Valproic Acid Treatment on Donor Cell Growth Characteristics, Cell Cycle Arrest, Apoptosis, and Handmade Cloned Bovine Embryo Production Efficiency. <i>Cellular Reprogramming</i> , 2013, 15, 531-542.	0.5	33
181	Cryotolerance of <i>in vitro</i> -produced porcine blastocysts is improved when using glucose instead of pyruvate and lactate during the first 2 days of embryo culture. <i>Reproduction, Fertility and Development</i> , 2013, 25, 737.	0.1	13
183	Growth factors and cytokines in embryo development. , 0, , 112-131.		0

#	ARTICLE	IF	CITATIONS
184	A Cathepsin B Inhibitor, E-64, Improves the Preimplantation Development of Bovine Somatic Cell Nuclear Transfer Embryos. <i>Journal of Reproduction and Development</i> , 2014, 60, 21-27.	0.5	9
185	Markers of cellular senescence are elevated in murine blastocysts cultured in vitro: molecular consequences of culture in atmospheric oxygen. <i>Journal of Assisted Reproduction and Genetics</i> , 2014, 31, 1259-1267.	1.2	27
186	Extremely Low-Frequency Magnetic Fields Induce Developmental Toxicity and Apoptosis in Zebrafish (<i>Danio rerio</i>) Embryos. <i>Biological Trace Element Research</i> , 2014, 162, 324-332.	1.9	14
187	Cytotoxic Effects of Dillapiole on Embryonic Development of Mouse Blastocysts in Vitro and in Vivo. <i>International Journal of Molecular Sciences</i> , 2014, 15, 10751-10765.	1.8	8
188	Evaluation of Cheetah and Leopard Spermatozoa Developmental Capability after Interspecific ICSI with Domestic Cat Oocytes. <i>Reproduction in Domestic Animals</i> , 2014, 49, 693-700.	0.6	20
189	Blastocysts can be rebiopsied for preimplantation genetic diagnosis and screening. <i>Fertility and Sterility</i> , 2014, 102, 1641-1645.	0.5	28
190	MicroRNA-34c Expression in Donor Cells Influences the Early Development of Somatic Cell Nuclear Transfer Bovine Embryos. <i>Cellular Reprogramming</i> , 2014, 16, 418-427.	0.5	16
191	Epigallocatechin gallate induces embryonic toxicity in mouse blastocysts through apoptosis. <i>Drug and Chemical Toxicology</i> , 2014, 37, 247-254.	1.2	23
192	Replacement of glutamine with the dipeptide derivative alanyl-glutamine enhances in vitro maturation of porcine oocytes and development of embryos. <i>Zygote</i> , 2014, 22, 286-289.	0.5	5
193	Oocyte-secreted factors in oocyte maturation media enhance subsequent development of bovine cloned embryos. <i>Molecular Reproduction and Development</i> , 2014, 81, 341-349.	1.0	19
194	EZH2 is essential for development of mouse preimplantation embryos. <i>Reproduction, Fertility and Development</i> , 2014, 26, 1166.	0.1	38
195	Recombinant Human Growth Differentiation Factor-9 Improves Oocyte Reprogramming Competence and Subsequent Development of Bovine Cloned Embryos. <i>Cellular Reprogramming</i> , 2014, 16, 281-289.	0.5	12
196	Insulin-like growth factor 2: A modulator of anti-apoptosis related genes (HSP70, BCL2-L1) in bovine preimplantation embryos. <i>Theriogenology</i> , 2014, 82, 942-950.	0.9	9
197	Effect of dexamethasone on development of in vitro produced bovine embryos. <i>Theriogenology</i> , 2014, 82, 10-16.	0.9	12
198	A close look at the mammalian blastocyst: epiblast and primitive endoderm formation. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 3327-3338.	2.4	49
199	DNA fragmentation, transgene expression and embryo development after intracytoplasmic injection of DNA-liposome complexes in IVF bovine zygotes. <i>Zygote</i> , 2014, 22, 195-203.	0.5	2
201	Melatonin significantly improves the developmental competence of bovine somatic cell nuclear transfer embryos. <i>Journal of Pineal Research</i> , 2015, 59, 455-468.	3.4	51
202	Recombinant Human Bone Morphogenetic Protein 6 Enhances Oocyte Reprogramming Potential and Subsequent Development of the Cloned Yak Embryos. <i>Cellular Reprogramming</i> , 2015, 17, 484-493.	0.5	8

#	ARTICLE	IF	CITATIONS
203	Apoptotic effects of dillapiole on maturation of mouse oocytes, fertilization and fetal development. <i>Drug and Chemical Toxicology</i> , 2015, 38, 469-476.	1.2	5
204	Astaxanthin present in the maturation medium reduces negative effects of heat shock on the developmental competence of porcine oocytes. <i>Reproductive Biology</i> , 2015, 15, 86-93.	0.9	58
205	Peri-ovulatory putrescine supplementation reduces embryo resorption in older mice. <i>Human Reproduction</i> , 2015, 30, 1867-1875.	0.4	16
206	Hazardous effects of sanguinarine on maturation of mouse oocytes, fertilization, and fetal development through apoptotic processes. <i>Environmental Toxicology</i> , 2015, 30, 946-955.	2.1	16
207	Embryo Aggregation in Pig Improves Cloning Efficiency and Embryo Quality. <i>PLoS ONE</i> , 2016, 11, e0146390.	1.1	26
208	Developmental regulation and modulation of apoptotic genes expression in sheep oocytes and embryos cultured in vitro with L-carnitine. <i>Reproduction in Domestic Animals</i> , 2016, 51, 1020-1029.	0.6	14
209	Preimplantation genetic diagnosis: a national multicenter obstetric and neonatal follow-up study. <i>Fertility and Sterility</i> , 2016, 106, 1363-1369.e1.	0.5	58
210	Mouse model of chromosome mosaicism reveals lineage-specific depletion of aneuploid cells and normal developmental potential. <i>Nature Communications</i> , 2016, 7, 11165.	5.8	339
211	PCI-24781 can improve in vitro and in vivo developmental capacity of pig somatic cell nuclear transfer embryos. <i>Biotechnology Letters</i> , 2016, 38, 1433-1441.	1.1	13
212	Developmental competence of 8-cell stage bison embryos produced by interspecies somatic cell nuclear transfer. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1360.	0.1	5
213	Effects of ochratoxin a on mouse oocyte maturation and fertilization, and apoptosis during fetal development. <i>Environmental Toxicology</i> , 2016, 31, 724-735.	2.1	22
214	IVF affects embryonic development in a sex-biased manner in mice. <i>Reproduction</i> , 2016, 151, 443-453.	1.1	32
215	Apoptotic effects on maturation of mouse oocytes, fertilization and fetal development by puerarin. <i>Drug and Chemical Toxicology</i> , 2016, 39, 380-387.	1.2	4
216	Absence of Sperm Factors as in the Parthenogenesis Does Not Interfere on Bovine Embryo Sensitiveness to Heat Shock at Pre-implantation Stage. <i>Reproduction in Domestic Animals</i> , 2016, 51, 3-9.	0.6	8
217	Pronuclear removal of trippronuclear zygotes can establish heteroparental normal karyotypic human embryonic stem cells. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 255-263.	1.2	4
218	L-ergothioneine supplementation during culture improves quality of bovine in vitro produced embryos. <i>Theriogenology</i> , 2016, 85, 688-697.	0.9	34
219	Female bovine blastocysts are more prone to apoptosis than male ones. <i>Theriogenology</i> , 2016, 85, 591-600.	0.9	21
220	Expression of Apoptotic and Antioxidant Enzyme Genes in Sheep Oocytes and In Vitro Produced Embryos. <i>Animal Biotechnology</i> , 2017, 28, 18-25.	0.7	15

#	ARTICLE	IF	CITATIONS
221	No cytotoxic effects from application of pentoxifylline to spermatozoa on subsequent pre-implantation embryo development in mice. Middle East Fertility Society Journal, 2017, 22, 132-135.	0.5	0
222	Effects of MG132 on the <i>in vitro</i> development and epigenetic modification of Debaio porcine somatic cell nuclear transfer embryos. Theriogenology, 2017, 94, 48-58.	0.9	10
223	Differential effects of high and low glucose concentrations during lipolysis-like conditions on bovine <i>in vitro</i> oocyte quality, metabolism and subsequent embryo development. Reproduction, Fertility and Development, 2017, 29, 2284.	0.1	18
224	Insulin-like growth factor I enhances the developmental competence of yak embryos by modulating aquaporin 3. Reproduction in Domestic Animals, 2017, 52, 825-835.	0.6	13
225	Ionizing Radiation Alters Human Embryonic Stem Cell Properties and Differentiation Capacity by Diminishing the Expression of Activin Receptors. Stem Cells and Development, 2017, 26, 341-352.	1.1	12
226	Time-lapse culture with morphokinetic embryo selection improves pregnancy and live birth chances and reduces early pregnancy loss: a meta-analysis. Reproductive BioMedicine Online, 2017, 35, 511-520.	1.1	144
227	Role of methionine adenosyltransferase 2A in bovine preimplantation development and its associated genomic regions. Scientific Reports, 2017, 7, 3800.	1.6	13
228	Sex differences in rat placental development: from pre-implantation to late gestation. Biology of Sex Differences, 2017, 8, 17.	1.8	47
229	Oxidative stresses-mediated apoptotic effects of ginsenoside Rb1 on pre- and post-implantation mouse embryos <i>in vitro</i> and <i>in vivo</i> . Environmental Toxicology, 2017, 32, 1990-2003.	2.1	20
230	Cellular thermotolerance is inheritable from Holstein cattle cloned with ooplasts of Taiwan native yellow cattle. Theriogenology, 2017, 88, 244-253.	0.9	2
231	Prosurvival effect of cumulus prostaglandin G/H synthase 2/prostaglandin2 signaling on bovine blastocyst: impact on <i>in vivo</i> posthatching development. Biology of Reproduction, 2017, 96, 531-541.	1.2	13
232	Rhein Induces Oxidative Stress and Apoptosis in Mouse Blastocysts and Has Immunotoxic Effects during Embryonic Development. International Journal of Molecular Sciences, 2017, 18, 2018.	1.8	19
233	Berberine impairs embryonic development <i>in vitro</i> and <i>in vivo</i> through oxidative stress-mediated apoptotic processes. Environmental Toxicology, 2018, 33, 280-294.	2.1	31
234	Anti-apoptotic BCL-2 family members in development. Cell Death and Differentiation, 2018, 25, 37-45.	5.0	243
235	Apoptosis as the Major Cause of Embryonic Mortality in Cattle. , 0, , .		1
236	Fipronil causes toxicity in mouse preimplantation embryos. Toxicology, 2018, 410, 214-221.	2.0	14
237	Supplementation with CTGF, SDF1, NGF, and HGF promotes ovine <i>in vitro</i> oocyte maturation and early embryo development. Domestic Animal Endocrinology, 2018, 65, 38-48.	0.8	14
238	Female Reproductive Performance in the Mouse: Effect of Oral Melatonin. Molecules, 2018, 23, 1845.	1.7	13

#	ARTICLE	IF	CITATIONS
239	Embryotropic effects of vascular endothelial growth factor on porcine embryos produced by inÂvitro fertilization. <i>Theriogenology</i> , 2018, 120, 147-156.	0.9	10
240	Cytokines hold promise for human embryo culture inÂvitro: results of a randomized clinical trial. <i>Fertility and Sterility</i> , 2019, 112, 849-857.e1.	0.5	7
241	Noninvasive preimplantation genetic testing for aneuploidy in spent medium may be more reliable than trophoctoderm biopsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14105-14112.	3.3	130
242	Assessment of Toxic Effects of Ochratoxin A in Human Embryonic Stem Cells. <i>Toxins</i> , 2019, 11, 217.	1.5	15
243	Overexpression of miR-101-2 in donor cells improves the early development of Holstein cow somatic cell nuclear transfer embryos. <i>Journal of Dairy Science</i> , 2019, 102, 4662-4673.	1.4	11
244	PDGF Signaling in Primitive Endoderm Cell Survival Is Mediated by PI3K-mTOR Through p53-Independent Mechanism. <i>Stem Cells</i> , 2019, 37, 888-898.	1.4	12
245	Reply to Gleicher and Barad: Noninvasive preimplantation genetic testing may provide the solution to the problem of embryo mosaicism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21978-21979.	3.3	3
246	DNA damage and repair in the female germline: contributions to ART. <i>Human Reproduction Update</i> , 2019, 25, 180-201.	5.2	46
247	Enniatin B1 exerts embryotoxic effects on mouse blastocysts and induces oxidative stress and immunotoxicity during embryo development. <i>Environmental Toxicology</i> , 2019, 34, 48-59.	2.1	25
248	Non-invasive preimplantation genetic testing (niPGT): the next revolution in reproductive genetics?. <i>Human Reproduction Update</i> , 2020, 26, 16-42.	5.2	101
249	Using Time Lapse Monitoring for Determination of Morphological Defect Frequency in Feline Embryos after in Vitro Fertilization (IVF). <i>Animals</i> , 2020, 10, 3.	1.0	10
250	Acquired genetic changes in human pluripotent stem cells: origins and consequences. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 715-728.	16.1	59
251	Senescence and Apoptosis During in vitro Embryo Development in a Bovine Model. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 619902.	1.8	33
252	Interaction of apoptosis and pluripotency related transcripts for developmental potential of ovine embryos produced inÂvitro at different oxygen concentrations. <i>Animal Biotechnology</i> , 2020, 32, 1-9.	0.7	2
253	Is cell-free DNA in spent embryo culture medium an alternative to embryo biopsy for preimplantation genetic testing? A systematic review. <i>Reproductive BioMedicine Online</i> , 2020, 40, 779-796.	1.1	27
254	Expression patterns of ZO-1/2 and their effects on porcine oocyte inÂvitro maturation and early embryonic development. <i>Theriogenology</i> , 2021, 161, 262-270.	0.9	5
255	Embryo structure reorganisation reduces the probability of apoptosis in preimplantation mouse embryos. <i>Reproduction, Fertility and Development</i> , 2021, 33, 725-735.	0.1	2
256	Cell-free DNA in spent culture medium effectively reflects the chromosomal status of embryos following culturing beyond implantation compared to trophoctoderm biopsy. <i>PLoS ONE</i> , 2021, 16, e0246438.	1.1	19

#	ARTICLE	IF	CITATIONS
257	Proteomic profile alterations in porcine conceptuses during early stages of development. <i>Reproductive Biology</i> , 2021, 21, 100481.	0.9	1
258	Non-invasive PGT. <i>Medicina Reproductiva Y EmbriologÃa ClÃnica</i> , 2021, 8, 100101.	0.1	1
259	Comparison of the rates for reaching the blastocyst stage between normal and abnormal pronucleus embryos monitored by a time-lapse system in IVF patients. <i>Journal of the Turkish German Gynecology Association</i> , 2021, 22, 120-126.	0.2	3
260	<i>Alternariol</i> exerts embryotoxic and immunotoxic effects on mouse blastocysts through ROS-mediated apoptotic processes. <i>Toxicology Research</i> , 2021, 10, 719-732.	0.9	8
261	Real-Time Visualization of Embryonic Apoptosis Using a Near-Infrared Fluorogenic Probe for Embryo Development Evaluation. <i>Analytical Chemistry</i> , 2021, 93, 12122-12130.	3.2	4
262	Preimplantation Genetic Testing for Monogenic Conditions: Is Cell-Free DNA Testing the Next Step?. <i>Molecular Diagnosis and Therapy</i> , 2021, 25, 683-690.	1.6	4
263	The role of apoptosis in cryopreserved animal oocytes and embryos. <i>Theriogenology</i> , 2021, 173, 93-101.	0.9	11
264	Apoptosis in Mammalian Embryos. , 2002, , 267-293.		1
265	Electron Microscopy of Pre-Hatching Mammalian Embryos the Ultrastructure of Cattle, Swine and Horse Embryos. , 2002, , 295-340.		1
266	Low serum concentration in bovine embryo culture enhances early blastocyst rates on Day-6 with quality traits in the expanded blastocyst stage similar to BSA-cultured embryos. <i>Reproductive Biology</i> , 2017, 17, 162-171.	0.9	22
267	<i>In Vitro&/i> Culture of Feline Embryos Increases Stress-induced Heat Shock Protein 70 and Apoptotic Related Genes. <i>Journal of Reproduction and Development</i> , 2013, 59, 180-188.	0.5	7
268	Mouse Zygotes Respond to Severe Sperm DNA Damage by Delaying Paternal DNA Replication and Embryonic Development. <i>PLoS ONE</i> , 2013, 8, e56385.	1.1	104
269	The Aggregation of Four Reconstructed Zygotes is the Limit to Improve the Developmental Competence of Cloned Equine Embryos. <i>PLoS ONE</i> , 2014, 9, e110998.	1.1	24
270	Application of a Novel Population of Multipotent Stem Cells Derived from Skin Fibroblasts as Donor Cells in Bovine SCNT. <i>PLoS ONE</i> , 2015, 10, e0114423.	1.1	25
271	A generalized caspase inhibitor disrupts early mammalian development. <i>International Journal of Developmental Biology</i> , 2005, 49, 43-51.	0.3	24
272	Analysis of proteomic profiling of mouse embryonic stem cells derived from fertilized, parthenogenetic and androgenetic blastocysts. <i>Stem Cell Discovery</i> , 2011, 01, 1-15.	0.5	2
273	Developmental Ability of Bovine Embryos Nuclear Transferred with Frozen-thawed or Cooled Donor Cells. <i>Asian-Australasian Journal of Animal Sciences</i> , 2005, 18, 1242-1248.	2.4	17
274	Targeted Suppression of Connexin 43 in Ovine Preimplantation Embryos by RNA Interference Using Long Double-stranded RNA. <i>Asian-Australasian Journal of Animal Sciences</i> , 2010, 23, 456-464.	2.4	5

#	ARTICLE	IF	CITATIONS
275	Apoptosis in the Human Blastocyst: Role of Survival Factors. , 2001, , 144-154.		0
276	Expression of the Antioxidant Enzyme and Apoptosis Genes in In vitro Maturation/In vitro Fertilization Porcine Embryos. Asian-Australasian Journal of Animal Sciences, 2004, 17, 33-38.	2.4	6
278	Noninvasive preimplantation genetic testing in assisted reproductive technology: current state and future perspectives. Journal of Genetics and Genomics, 2020, 47, 723-726.	1.7	4
280	Survival Assessment of Mouse Preimplantation Embryos After Exposure to Cell Phone Radiation. Journal of Reproduction and Infertility, 2016, 17, 138-43.	1.0	10
281	Non-embryotoxic dosage of alternariol aggravates ochratoxin A-triggered deleterious effects on embryonic development through ROS-dependent apoptotic processes. Toxicology Research, 2021, 10, 1211-1222.	0.9	5
282	The effects of temperature variation treatments on embryonic development: a mouse study. Scientific Reports, 2022, 12, 2489.	1.6	1
283	Effect of ACY-1215 on cytoskeletal remodeling and histone acetylation in bovine somatic cell nuclear transfer embryos. Theriogenology, 2022, 183, 98-107.	0.9	3
284	Analysis of morphological disorders and ploidy in domestic cat blastocysts. Theriogenology, 2022, 186, 114-121.	0.9	1
286	Peroxisome proliferator-activated receptor delta-PPAR δ agonist (L-165041) enhances bovine embryo survival and post vitrification viability. Reproduction, Fertility and Development, 2022, , .	0.1	0
287	The Open Cryotop System Is Effective for the Simultaneous Vitrification of a Large Number of Porcine Embryos at Different Developmental Stages. Frontiers in Veterinary Science, 0, 9, .	0.9	4
288	Isolation of cfDNA from spent culture media and its association with implantation rate and maternal immunomodulation. BMC Research Notes, 2022, 15, .	0.6	0
289	Melatonin accelerates the developmental competence and telomere elongation in ovine SCNT embryos. PLoS ONE, 2022, 17, e0267598.	1.1	6
290	ZFP57 regulates DNA methylation of imprinted genes to facilitate embryonic development of somatic cell nuclear transfer embryos in Holstein cows. Journal of Dairy Science, 2023, 106, 769-782.	1.4	4
291	Embryo quality evaluation and cryopreservation. , 2023, , 309-316.		0