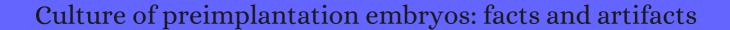
CITATION REPORT List of articles citing



DOI: 10.1093/humupd/1.2.91 Human Reproduction Update, 1995, 1, 91-148.

Source: https://exaly.com/paper-pdf/26665327/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
639	Analysis of stimulatory and inhibitory amino acids for development of hamster one-cell embryos in vitro. 1995 , 42, 188-99		88
638	Optimum gas atmosphere for in vitro maturation and in vitro fertilization of bovine oocytes. <i>Theriogenology</i> , 1995 , 44, 471-7	2.8	33
637	Defining the requirements for bovine embryo culture. <i>Theriogenology</i> , 1996 , 45, 27-40	2.8	69
636	The use of neural networks in developing novel embryo culture media-formulations. <i>Theriogenology</i> , 1996 , 45, 41-49	2.8	12
635	Effect of high molecular weight factors present in bovine oviduct-conditioned medium on in vitro bovine embryo development. <i>Theriogenology</i> , 1996 , 46, 631-41	2.8	10
634	Three year results of in vitro production of bovine embryos in serum-poor bovine oviduct conditioned medium. An overview. 1996 , 36, 493-502		13
633	What is the relationship between the metabolism of preimplantation embryos and their developmental competence?. 1996 , 43, 105-33		128
632	Energy substrate requirements for in vitro development of early cleavage-stage bovine embryos. 1996 , 44, 193-9		30
631	Effect of amino acids and alpha-amanitin on the development of rabbit embryos in modified protein-free KSOM with HEPES. 1996 , 45, 157-62		36
630	Cell allocation to the inner cell mass and the trophectoderm in bovine embryos cultured in two different media. 1996 , 45, 171-82		120
629	Stimulation of glutathione synthesis of in vitro matured bovine oocytes and its effect on embryo development and freezability. 1996 , 45, 451-7		130
628	Improved human zygote development in a modified Hamß F10 medium in vitro. 1996 , 13, 722-5		3
627	Quality control in IVF with mouse bioassays: a four yearsPexperience. 1996 , 13, 733-8		16
626	Oocyte Maturation, Sperm Capacitation and Pre-implantation Development in the Bovine: Implications for in vitro Production of Embryos. 1996 , 31, 687-701		7
625	Translocation of active mitochondria during hamster preimplantation embryo development studied by confocal laser scanning microscopy. 1996 , 205, 64-72		129
624	Cyclic AMP reversal of hypoxanthine-arrested preimplantation mouse embryos is EDTA-dependent. 1996 , 4, 129-37		4
623	Maturation of hamster oocytes under chemically defined conditions and sperm penetration through the zona pellucida. 1996 , 4, 199-210		10

622	Development of a culture medium (BECM-3) for porcine embryos: effects of bovine serum albumin and fetal bovine serum on embryo development. 1996 , 55, 1069-74		116
621	Effects of glutamine and taurine on preimplantation development and cleavage of mouse embryos in vitro. 1997 , 57, 921-8		68
620	Timing of compaction and inner cell allocation in bovine embryos produced in vivo after superovulation. 1997 , 57, 1041-9		141
619	Gonadotropins, serum, and amino acids alter nuclear maturation, cumulus expansion, and oocyte morphology in hamster cumulus-oocyte complexes in vitro. 1997 , 56, 1281-9		31
618	Effects of volume, culture media and type of culture dish on in vitro development of hamster 1-cell embryos. <i>Theriogenology</i> , 1997 , 47, 541-8	2.8	6
617	Development of rabbit zygotes into blastocysts in defined protein-free medium and offspring born following culture and embryo transfer. <i>Theriogenology</i> , 1997 , 47, 1103-13	2.8	10
616	Correlations between chemical parameters, mitogenic activity and embryotrophic activity of bovine oviduct-conditioned medium. <i>Theriogenology</i> , 1997 , 48, 659-73	2.8	5
615	Effects of sperm treatments on the in vitro development of bovine oocytes in semidefined and defined media. <i>Theriogenology</i> , 1997 , 48, 711-20	2.8	16
614	In vitro production of viable bovine blastocysts in media supplemented with rabbit-originated products. <i>Theriogenology</i> , 1997 , 48, 1387-1395	2.8	2
613	Relationship between embryo development in vitro and 56-day nonreturn rates of cows inseminated with frozen-thawed semen from dairy bulls. <i>Theriogenology</i> , 1997 , 48, 221-31	2.8	65
612	Oocyte and zygote ketoaldehyde utilisation. 1997 , 1355, 99-101		
611	Metabolic Support of Normothermia. 1997 , 139-166		2
610	Rapid Freezing of Rabbit Embryos has a Negative Effect on Embryo Morphology. 1997 , 32, 237-241		1
609	Modifications made to culture medium by bovine oviduct epithelial cells: changes to carbohydrates stimulate bovine embryo development. 1997 , 46, 146-54		59
608	Effects of amino acids and alpha-amanitin on bovine embryo development in a simple protein-free medium. 1997 , 46, 278-85		30
607	Effect of estrus-associated glycoprotein and tissue inhibitor of metalloproteinase-1 secreted by oviduct cells on in vitro bovine embryo development. 1997 , 46, 527-34		15
606	Culture conditions affect meiotic regulation in cumulus cell-enclosed mouse oocytes. 1997 , 46, 551-66		72
605	Relationship between timing of development, morula morphology, and cell allocation to inner cell mass and trophectoderm in in vitro-produced bovine embryos. 1997 , 47, 47-56		210

604	Expression of mRNA for the insulin-like growth factors and their receptors in human preimplantation embryos. 1997 , 47, 134-9		122
603	Succinate and malate improve development of hamster eight-cell embryos in vitro: confirmation of viability by embryo transfer. 1997 , 47, 440-7		14
602	Glucose and phosphate toxicity in hamster preimplantation embryos involves disruption of cellular organization, including distribution of active mitochondria. 1997 , 48, 227-37		97
601	Nonessential amino acids and glutamine decrease the time of the first three cleavage divisions and increase compaction of mouse zygotes in vitro. 1997 , 14, 398-403		80
600	Epigenetic influences on oocyte developmental competence: perifollicular vascularity and intrafollicular oxygen. 1998 , 15, 226-34		61
599	Total protein content and protein synthesis within pre-elongation stage bovine embryos. 1998 , 50, 139-	45	61
598	Bovine Embryonic Development after In Vivo and In Vitro Fertilization. 1998 , 33, 261-265		4
597	A protocol for in vitro maturation and fertilization of sheep oocytes. 1998 , 29, 83-88		12
596	The effects of ceftiofur sodium (Naxcel) on bovine oocyte and preimplantation embryonic development assessed by in vitro embryo production techniques. 1998 , 21, 92-8		2
595	Oocyte quality of small antral follicles coexisting with cystic follicles in the ovaries of the cow. 1998 , 51, 195-203		9
594	Effects of resazurin on bovine oocyte fertilization and embryo development in vitro. 1998 , 51, 205-13		3
593	Comparison of two co-culture systems to assess the survival of in vitro produced bovine blastocysts after vitrification. 1998 , 52, 39-50		39
592	Vitrification of in vitro produced bovine blastocysts: methodological studies and developmental capacity. 1998 , 52, 93-104		33
591	Statistical models predicting embryo survival to term in cattle after embryo transfer. <i>Theriogenology</i> , 1998 , 50, 1053-70	2.8	45
590	Cyclodextrin removes cholesterol from mouse sperm and induces capacitation in a protein-free medium. 1998 , 59, 1328-33		133
589	Changes in requirements and utilization of nutrients during mammalian preimplantation embryo development and their significance in embryo culture. <i>Theriogenology</i> , 1998 , 49, 83-102	2.8	271
588	Responses of oocytes and embryos to the culture environment. <i>Theriogenology</i> , 1998 , 49, 103-14	2.8	90
587	Effect of hyaluronic acid on development of in vitro produced bovine embryos. <i>Theriogenology</i> , 1998 , 49, 1489-99	2.8	58

[1999-1998]

586	Culture and transfer of human blastocysts increases implantation rates and reduces the need for multiple embryo transfers. 1998 , 69, 84-8	494
585	Blastocyst transfer in day-5 embryo transfer depends primarily on the number of oocytes retrieved and not on age. 1998 , 69, 78-83	77
584	Improved clinical outcomes for in vitro fertilization with delay of embryo transfer from 48 to 72 hours after oocyte retrieval: use of glucose- and phosphate-free media. 1998 , 69, 329-34	61
583	Effects of glycosaminoglycans on the development of in vitro-matured and -fertilized porcine oocytes to the blastocyst stage in vitro. 1998 , 58, 1226-32	53
582	Regulation of intracellular pH in hamster preimplantation embryos by the sodium hydrogen (Na+/H+) antiporter. 1998 , 59, 1483-90	57
581	Effect of oxygen concentration in the gas atmosphere during in vitro insemination of bovine oocytes on the subsequent embryonic development in vitro. 1998 , 60, 365-7	32
580	Effects of glutamine, glycine and taurine on the development of in vitro fertilized bovine zygotes in a chemically defined medium. 1998 , 60, 433-7	37
579	Selection of good embryos for transfer depends on embryo cohort size: implications for the Phild ovarian stimulationPdebate. 1999 , 14, 3002-8	49
578	A macaque model for studying mechanisms controlling oocyte development and maturation in human and non-human primates. 1999 , 14, 2544-55	64
577	Fetal development after transfer is increased by replacing protein with the glycosaminoglycan hyaluronan for mouse embryo culture and transfer. 1999 , 14, 2575-80	115
576	Effect of oxygen concentration on human in-vitro fertilization and embryo culture. 1999 , 14, 465-9	141
575	Preliminary clinical experience with human blastocyst development in vitro without co-culture. 1999 , 14, 454-7	95
574	Regulation of Development of Peri-Attachment Embryos: Comparative studies in rodents. 1999 , 110-120	1
573	Coenzyme Q(10) in submicron-sized dispersion improves development, hatching, cell proliferation, and adenosine triphosphate content of in vitro-produced bovine embryos. 1999 , 61, 541-7	43
572	Onset of nucleolar and extranucleolar transcription and expression of fibrillarin in macaque embryos developing in vitro. 1999 , 60, 721-8	55
57 ¹	Developmental competence and metabolism of bovine embryos cultured in semi-defined and defined culture media. 1999 , 60, 1345-52	126
570	Development of reproductive biotechnologies in domestic animals from artificial insemination to cloning: a perspective. 1999 , 1, 133-42	12
569	Effects of taurine on human embryo development in vitro. 1999 , 14, 2350-6	44

568	Long-term two-photon fluorescence imaging of mammalian embryos without compromising viability. 1999 , 17, 763-7		448
567	Randomized autocontrolled comparison of the embryo culture performance of Nunc and Falcon petri dishes. 1999 , 16, 306-9		1
566	Use of a medium devoid of any human or animal compound (SMART2) for embryo culture in intracytoplasmic sperm injection. 1999 , 16, 13-6		6
565	A serum-free culture system for efficient in vitro production of bovine blastocysts with improved viability after freezing and thawing. 1999 , 31, 123-31		38
564	Temperature-dependent osmotic behavior of germinal vesicle and metaphase II stage bovine oocytes in the presence of Me2SO in relationship to cryobiology. 1999 , 53, 59-67		9
563	Alterations in the relative abundance of gene transcripts in preimplantation bovine embryos cultured in medium supplemented with either serum or PVA. 1999 , 53, 8-18		256
562	In vitro development and nutrient uptake by embryos derived from oocytes of pre-pubertal and adult cows. 1999 , 54, 49-56		21
561	Regulation of intracellular pH in bovine oocytes and cleavage stage embryos. 1999 , 54, 396-401		43
560	Phosphate induced developmental arrest of hamster two-cell embryos is associated with disrupted ionic homeostasis. 1999 , 54, 410-7		19
559	Development and viability of bovine preplacentation embryos treated with swainsonine in vitro. 1999 , 56, 19-29		16
558	A simple salt solution medium supplemented with yolk plasma and lactate (YPLM) supports development of preimplantation bovine embryos in vitro. 1999 , 57, 153-66		1
557	Effect of protein supplementation and presence of an antioxidant on the development of bovine zygotes in synthetic oviduct fluid medium under high or low oxygen tension. <i>Theriogenology</i> , 1999 , 51, 1565-76	2.8	59
556	High bovine blastocyst development in a static in vitro production system using SOFaa medium supplemented with sodium citrate and myo-inositol with or without serum-proteins. <i>Theriogenology</i> , 1999 , 52, 683-700	2.8	528
555	Effect of culture media on embryo development from prepubertal goat IVM-IVF oocytes. <i>Theriogenology</i> , 1999 , 52, 847-61	2.8	44
554	Coculture of human embryos with autologous human endometrial epithelial cells in patients with implantation failure. 1999 , 84, 2638-46		81
553	Sibling embryo blastocyst development correlates with the in vitro fertilization day 3 embryo transfer pregnancy rate in patients under age 40. 1999 , 71, 750-2		14
552	Glucose and culture of human embryos. 1999 , 72, 233-4		10
551	Glucose-free medium in human in vitro fertilization and embryo transfer: a large-scale, prospective, randomized clinical trial. 1999 , 72, 229-32		30

(2000-1999)

550	fertilization programs. 1999 , 72, 604-9	218
549	Growth and viability of human blastocysts in vitro. 2000 , 8, 241-287	9
548	New method for culture of zona-included or zona-free embryos: the Well of the Well (WOW) system. 2000 , 55, 256-64	274
547	The rabbit as a model for reproductive and developmental toxicity studies. 2000 , 14, 477-93	90
546	Successful in vitro growth of rat two-cell embryos to blastocysts using a simple chemically defined medium. 2000 , 43, 171-5	3
545	Blastocyst transfer: a useful tool for reduction of high-order multiple gestations in a human assisted reproduction program. 2000 , 183, 377-9; dsicussion 380-2	19
544	Comparison of zona manipulated and zona intact blastocyst transfers: a prospective randomized trial. 2000 , 17, 135-9	17
543	Low oxygen tension during in vitro maturation is beneficial for supporting the subsequent development of bovine cumulus-oocyte complexes. 2000 , 57, 353-60	111
542	The clinical in vitro fertilization laboratory. 2000 , 109-129	
541	Energy metabolism in preimplantation bovine embryos derived in vitro or in vivo. 2000 , 62, 847-56	202
540	The enhancement of the ability of mouse sperm to survive freezing and thawing by the use of high concentrations of glycerol and the presence of an Escherichia coli membrane preparation (Oxyrase) to lower the oxygen concentration. 2000 , 40, 187-209	60
539	In vitro culture and embryo metabolism of cattle and sheep embryos - a decade of achievement. 2000 , 60-61, 263-75	102
538	In vitro development and metabolism of the human embryo up to the blastocyst stage. 2000 , 92, 51-6	33
537	Protection of porcine oocytes against apoptotic cell death caused by oxidative stress during In vitro maturation: role of cumulus cells. 2000 , 63, 805-10	253
536	The protective action of polyvinyl alcohol during rapid-freezing of mouse embryos. <i>Theriogenology</i> , 2.8 2.8	32
535	Effect of Mycoplasma bovis and Mycoplasma bovigenitalium in semen on fertilization and association with in vitro produced morula and blastocyst stage embryos. <i>Theriogenology</i> , 2000 , 53, 1213-23	23
534	Effects of oocyte quality, oxygen tension, embryo density, cumulus cells and energy substrates on cleavage and morula/blastocyst formation of bovine embryos. <i>Theriogenology</i> , 2000 , 54, 741-56	107
533	Effect of antibiotics on development in vitro of hamster pronucleate ova. <i>Theriogenology</i> , 2000 , 54, 999- <u>1.8</u> 06	15

532	A novel approach for in vitro production of bovine embryos: use of the Oxoid atmosphere generating system. <i>Theriogenology</i> , 2000 , 54, 1259-68	2.8	15
531	Alterations of expression of developmentally important genes in preimplantation bovine embryos by in vitro culture conditions: implications for subsequent development. <i>Theriogenology</i> , 2000 , 53, 21-2	34 ^{2.8}	362
530	Large offspring syndrome and other consequences of ruminant embryo culture in vitro: relevance to blastocyst culture in human ART. 2000 , 3, 238-246		75
529	Culture of one-cell hamster embryos with water soluble vitamins: pantothenate stimulates blastocyst production. 2000 , 15, 157-64		98
528	Noninvasive assessment of glucose and pyruvate uptake by human embryos after intracytoplasmic sperm injection and during the formation of pronuclei. 2000 , 73, 947-54		21
527	Maternal serum supplementation in culture medium benefits maturation of immature human oocytes. 2001 , 3, 112-116		27
526	Growth of human preimplantation embryos in vitro. 2001 , 2, 113-119		7
525	Comparison of G1.2/G2.2 and Sydney IVF cleavage/blastocyst sequential media for the culture of human embryos: a prospective, randomized, comparative study. 2001 , 76, 1023-31		54
524	Assessment of early cleaving in vitro fertilized human embryos at the 2-cell stage before transfer improves embryo selection. 2001 , 76, 1150-6		105
523	Mitochondrial aggregation patterns and activity in human oocytes and preimplantation embryos. 2001 , 16, 909-17		394
522	Influence of oocyte quality, culture media and gonadotropins on cleavage rate and development of in vitro fertilized buffalo embryos. 2001 , 65, 215-23		32
521	Genetic and environmental determinants of interferon-tau secretion by in vivo- and in vitro-derived bovine blastocysts. 2001 , 66, 1-13		38
520	Antioxidants and reactive oxygen species in human fertility. 2001 , 10, 189-98		62
519	Sex related embryo development. <i>Theriogenology</i> , 2001 , 55, 3-14	2.8	49
518	Development and de novo protein synthetic activity of bovine embryos produced in vitro in different culture systems. <i>Theriogenology</i> , 2001 , 55, 593-606	2.8	26
517	Effect of nutrition on endocrine parameters, ovarian physiology, and oocyte and embryo development. <i>Theriogenology</i> , 2001 , 55, 1323-40	2.8	159
516	Amino acid concentrations in fluids from the bovine oviduct and uterus and in KSOM-based culture media. <i>Theriogenology</i> , 2001 , 55, 1907-18	2.8	49
515	Effect of culture system on the yield and quality of bovine blastocysts as assessed by survival after vitrification. <i>Theriogenology</i> , 2001 , 56, 1-16	2.8	103

(2001-2001)

514	Sperm capacitation in vitro in the eldß deer. <i>Theriogenology</i> , 2001 , 56, 399-413	2.8	2
513	Effect of culture media on in vitro development of cloned mouse embryos. 2001 , 3, 41-50		46
512	Cultura de Embrills atlo Estigio de Blastocisto: Comparall entre o Uso de Meios Sequenciais e de Co-Cultura. 2001 , 23, 589		
511	Blastocyst transfer: does it really affect the outcome?. 2001 , 13, 299-304		11
510	From co-culture to defined medium: state of the art and practical considerations. 2001 , 36, 25-8		28
509	Blastocyst evaluation by means of differential staining: a practical approach. 2001 , 36, 29-35		30
508	Pregnancies resulting from in vitro matured oocytes collected from women with regular menstrual cycle. 2001 , 18, 325-9		39
507	A prospective, randomized comparison of two commercial media for ICSI and embryo culture. 2001 , 18, 378-81		18
506	Increasing synthetic serum substitute (SSS) concentrations in P1 glucose/phosphate-free medium improves implantation rate: a comparative study. 2001 , 18, 588-92		12
505	Energy substrate requirement for in vitro maturation of oocytes from unstimulated adult rhesus monkeys. 2001 , 58, 348-55		34
504	Protection against reactive oxygen species during mouse preimplantation embryo development: role of EDTA, oxygen tension, catalase, superoxide dismutase and pyruvate. 2001 , 59, 44-53		168
503	Comparison by restriction fragment differential display RT-PCR of gene expression pattern in bovine oocytes matured in the presence or absence of fetal calf serum. 2001 , 59, 90-6		11
502	Culture of preimplantation mouse embryos affects fetal development and the expression of imprinted genes. 2001 , 64, 918-26		487
501	Development of blastocyst-stage embryos after round spermatid injection in patients with complete spermiogenesis failure. 2001 , 18, 78-86		24
500	Handling individual mammalian embryos using microfluidics. 2001 , 48, 570-8		81
499	Effects of culture system and protein supplementation on mRNA expression in pre-implantation bovine embryos. 2001 , 16, 893-901		271
498	Amino acids promote human blastocyst development in vitro. 2001 , 16, 749-56		81
497	Human blastocyst development media. 2001 , 16, 2725		3

496	From cell death to embryo arrest: mathematical models of human preimplantation embryo development. 2001 , 98, 1655-60	134
495	Relationship between development, metabolism, and mitochondrial organization in 2-cell hamster embryos in the presence of low levels of phosphate. 2001 , 65, 1648-54	43
494	Evidence that glucose is not always an inhibitor of mouse preimplantation development in vitro. 2001 , 16, 153-163	66
493	Blastocyst versus day 2 or 3 transfer. 2001 , 19, 259-68	32
492	Assessment of Mammalian Embryo Quality. 2002,	2
491	Development of Viable Mammalian Embryos In Vitro. 2002 , 187-213	6
490	Quality and age of companion felid embryos modulate enhanced development by group culture. 2002 , 66, 167-73	41
489	Birth of piglets derived from porcine zygotes cultured in a chemically defined medium. 2002 , 66, 112-9	497
488	Assisted reproductive technologies: toward improving implantation rates and reducing high-order multiple gestations. 2002 , 57, 519-29	2
487	Growth factor expression and function in the human and mouse preimplantation embryo. 2002 , 172, 221-36	261
486	Influence of oocytes and spermatozoa on early embryonic development. 2002, 78, 1082-7	41
485	Improvement in early human embryo development using new formulation sequential stage-specific culture media. 2002 , 78, 1254-60	40
484	The oviduct and development of the preimplantation embryo. 2002, 10, 21-44	22
483	Thoughts on embryo culture conditions. 2002 , 4 Suppl 1, 30-8	32
482	Gene expression patterns in bovine in vitro-produced and nuclear transfer-derived embryos and their implications for early development. 2002 , 4, 29-38	122
481	Effect of insulin, transferrin and selenium and epidermal growth factor on development of buffalo oocytes to the blastocyst stage in vitro in serum-free, semidefined media. 2002 , 151, 260-5	20
480	Microfluidic technology for in vitro embryo production.	
479	In vitro embryo production in buffalo species: state of the art. <i>Theriogenology</i> , 2002 , 57, 237-56 2.8	106

(2003-2002)

478	Exposure to androgens during in vitro maturation does not affect the developmental potential of porcine oocytes. <i>Theriogenology</i> , 2002 , 58, 1131-9	2
477	Embryo production using defined oocyte maturation and zygote culture media following repeated ovum pick-up (OPU) from FSH-stimulated Simmental heifers. 2002 , 72, 137-51	14
476	A prospective randomized study: day 2 versus day 5 embryo transfer. 2002 , 17, 1507-12	103
475	Production of Transgenic Ruminants by DNA Microinjection. 2002 , 337-357	8
474	Regulation of peri-attachment embryo development in the golden hamster: role of growth factors. 2002 , 53, 203-13	29
473	In vitro development of bovine embryos encapsulated in sodium alginate. 2002 , 49, 393-5	13
472	Distribution and gene expression of cytoskeletal proteins in two-cell rat embryos and developmental arrest. 2002 , 293, 641-8	9
471	Effects of serum-free culture media on in vitro development of domestic cat embryos following in vitro maturation and fertilization. 2002 , 37, 352-6	14
470	Protein supplementation of human IVF culture media. 2002 , 19, 137-43	36
469	Enhanced cryosurvival of bovine blastocysts produced in vitro in serum-free medium. 2002 , 19, 487-92	16
468	Cysteamine supplementation during in vitro maturation and embryo culture: a useful tool for increasing the efficiency of bovine in vitro embryo production. 2002 , 62, 203-9	46
467	Nuclear maturation of canine oocytes cultured in protein-free media. 2002 , 62, 407-15	52
466	Cryo-survival and development of bovine blastocysts are enhanced by culture with recombinant albumin and hyaluronan. 2003 , 64, 70-8	95
465	Successful development of viable blastocysts from enhanced green fluorescent protein transgene-microinjected mouse embryos: comparison of culture media. 2003 , 65, 269-77	13
464	Glutamine and the maintenance of meiotic arrest in mouse oocytes: influence of culture medium, glucose, and cumulus cells. 2003 , 66, 90-7	15
463	Expression of Carnitine Palmitoyl-Transferase 1 and 2 during mouse preimplantation development. 2003 , 14, 217-229	
462	Assessment of embryo viability: the ability to select a single embryo for transfera review. 2003 , 24 Suppl B, S5-12	69
461	Meiotic response of in vitro matured canine oocytes under different proteins and heterologous hormone supplementation. 2003 , 38, 58-62	34

460	Manipulation of domestic animal embryos and implications for development. 2003 , 38, 268-75		17
459	Clinical experience and perinatal outcome of blastocyst transfer after coculture of human embryos with human endometrial epithelial cells: a 5-year follow-up study. 2003 , 80, 1162-8		67
458	Ammonium induces aberrant blastocyst differentiation, metabolism, pH regulation, gene expression and subsequently alters fetal development in the mouse. 2003 , 69, 1109-17		188
457	Use of two replacements of serum during bovine embryo culture in vitro. <i>Theriogenology</i> , 2003 , 59, 889	9- <u>9</u> 9	22
456	Effects of gas conditions, time of medium change, and ratio of medium to embryo on in vitro development of horse oocytes fertilized by intracytoplasmic sperm injection. <i>Theriogenology</i> , 2003 , 59, 1219-29	2.8	26
455	The effect of vitamins during maturation of caprine oocytes on subsequent developmental potential in vitro. <i>Theriogenology</i> , 2003 , 59, 1373-80	2.8	23
454	In vitro production of bovine embryos and their application for embryo transfer. <i>Theriogenology</i> , 2003 , 59, 675-85	2.8	50
453	New developments reproductive technologies in deer. <i>Theriogenology</i> , 2003 , 59, 189-205	2.8	34
452	Early embryonic development and in vitro culture of in vivo produced embryos in the farmed European polecat (Mustela putorius). <i>Theriogenology</i> , 2003 , 60, 965-75	2.8	11
451	Failures in assisted reproductive technology: an overview. 2003 , 107, 4-18		7
451 450	Failures in assisted reproductive technology: an overview. 2003, 107, 4-18 Fertility estimation: a review of past experience and future prospects. 2003, 75, 119-39		7
450	Fertility estimation: a review of past experience and future prospects. 2003 , 75, 119-39 Influence of the duration of gamete interaction on cleavage, growth rate and sex distribution of in		79
45° 449	Fertility estimation: a review of past experience and future prospects. 2003 , 75, 119-39 Influence of the duration of gamete interaction on cleavage, growth rate and sex distribution of in vitro produced bovine embryos. 2003 , 77, 33-49 A review of in vitro gamete maturation and embryo culture and potential impact on future animal		79 42
450 449 448	Fertility estimation: a review of past experience and future prospects. 2003, 75, 119-39 Influence of the duration of gamete interaction on cleavage, growth rate and sex distribution of in vitro produced bovine embryos. 2003, 77, 33-49 A review of in vitro gamete maturation and embryo culture and potential impact on future animal biotechnology. 2003, 79, 171-90 Consequences of in vivo development and subsequent culture on apoptosis, cell number, and		79 42 19
45° 449 448 447	Fertility estimation: a review of past experience and future prospects. 2003, 75, 119-39 Influence of the duration of gamete interaction on cleavage, growth rate and sex distribution of in vitro produced bovine embryos. 2003, 77, 33-49 A review of in vitro gamete maturation and embryo culture and potential impact on future animal biotechnology. 2003, 79, 171-90 Consequences of in vivo development and subsequent culture on apoptosis, cell number, and blastocyst formation in bovine embryos. 2003, 69, 1371-8 Imaging mitochondrial organization in living primate oocytes and embryos using multiphoton		79 42 19 84
450 449 448 447 446	Fertility estimation: a review of past experience and future prospects. 2003, 75, 119-39 Influence of the duration of gamete interaction on cleavage, growth rate and sex distribution of in vitro produced bovine embryos. 2003, 77, 33-49 A review of in vitro gamete maturation and embryo culture and potential impact on future animal biotechnology. 2003, 79, 171-90 Consequences of in vivo development and subsequent culture on apoptosis, cell number, and blastocyst formation in bovine embryos. 2003, 69, 1371-8 Imaging mitochondrial organization in living primate oocytes and embryos using multiphoton microscopy. 2003, 9, 190-201 Timing of blastocyst expansion affects spatial messenger RNA expression patterns of genes in		79 42 19 84 61

(2004-2003)

442	Development of in-vitro-derived bovine embryos in protein-free media: effects of amino acids, glucose, pyruvate, lactate, phosphate and osmotic pressure. 2003 , 15, 439-49	7
441	Evaluation of bovine embryos produced in high performance serum-free media. 2003 , 49, 193-202	71
440	Effects of BSA and fetal bovine serum in culture medium on development of rat embryos. 2003 , 49, 235-42	16
439	Oocyte transport: Developmental competence of bovine oocytes arrested at germinal vesicle stage by cycloheximide under air. 2003 , 49, 61-6	8
438	Effect of capacitation of stallion sperm with polyvinylalcohol or bovine serum albumin on penetration of bovine zona-free or partially zona-removed equine oocytes. 2003 , 81, 2080-7	27
437	Macromolecular source as dependent on osmotic pressure and water source: effects on bovine in vitro embryo development and quality. 2003 , 43, 487-96	7
436	The differential requirement of albumin and sodium citrate on the development of in vitro produced bovine embryos. 2004 , 44, 551-64	7
435	Regulation, licensing and accreditation. 2004 , 8-23	
434	Risk management: being proactive. 2004 , 145-168	
433	The role of animal studies in supporting human assisted reproductive technology. 2004 , 16, 719-28	15
432	What is risk?. 2004 , 45-53	
431	Human resources: finding (and keeping) the right staff. 2004 , 201-209	
430	Introduction. 2004 , 1-7	
429	Quality and quality management. 2004 , 24-44	1
428	Whatß gone wrong? Troubleshooting. 2004 , 135-144	
427	Efeito de diferentes meios de cultivo no desenvolvimento e propor B do sexo de embri B s bovinos produzidos in vitro. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2004 , 56, 623-627	
426	Factors affecting developmental competence of equine oocytes after intracytoplasmic sperm injection. 2004 , 127, 187-94	27
425	Long-term effect of in vitro culture of mouse embryos with serum on mRNA expression of imprinting genes, development, and behavior. 2004 , 101, 5880-5	309

424	Fetal bovine serum influences apoptosis and apoptosis-related gene expression in porcine parthenotes developing in vitro. 2004 , 127, 125-30		23
423	Effects of developmental stage, embryonic interferon-tau secretion and recipient synchrony on pregnancy rate after transfer of in vitro produced bovine blastocysts. 2004 , 39, 120-4		20
422	Effect of glutamine on preimplantation mouse embryo development in vitro. 2004, 190, 1450-4		14
421	Differential effect of recipient cytoplasm for microtubule organization and preimplantation development in rat reconstituted embryos with two-cell embryonic cell nuclear transfer. 2004 , 68, 313-	-8	13
420	Effect of macromolecule supplementation during in vitro maturation of goat oocytes on developmental potential. 2004 , 69, 338-46		18
419	Longevity of donor serum. 2004 , 21, 51-3		2
418	Prospective randomized comparison of two embryo culture systems: P1 medium by Irvine Scientific and the Cook IVF Medium. 2004 , 21, 291-5		19
417	Oxygen concentration and preimplantation development. 2004 , 9, 484-6		48
416	In situ oviduct and uterine pH in cattle. <i>Theriogenology</i> , 2004 , 61, 1419-27	2.8	35
415	Improved in vitro development of porcine embryos with different energy substrates and serum. <i>Theriogenology</i> , 2004 , 61, 1381-93	2.8	44
414	Production of dromedary (Camelus dromedarius) embryos by IVM and IVF and co-culture with oviductal or granulosa cells. <i>Theriogenology</i> , 2004 , 62, 1175-85	2.8	42
413	Effect of protein supplementation in potassium simplex optimization medium on preimplantation development of bovine non-transgenic and transgenic cloned embryos. <i>Theriogenology</i> , 2004 , 62, 1403	-16 ⁸	16
412	Effects of amino acids on maturation, fertilization and embryo development of pig follicular oocytes in two IVM media. <i>Theriogenology</i> , 2004 , 62, 1473-82	2.8	38
411	Origin of bovine follicular fluid and its effect during in vitro maturation on the developmental competence of bovine oocytes. <i>Theriogenology</i> , 2004 , 62, 1596-606	2.8	30
410	Effect of recombinant human FSH and LH on in vitro maturation of sheep oocytes; embryo development and viability. 2004 , 81, 77-86		40
409	Efects of the pine needle abortifacient, isocupressic acid, on bovine oocyte maturation and preimplantation embryo development. 2004 , 81, 237-44		12
408	Promoting effect of amino acids added to a chemically defined medium on blastocyst formation and blastomere proliferation of bovine embryos cultured in vitro. 2004 , 84, 257-67		21
407	Amino acid metabolism of preimplantation bovine embryos cultured with bovine serum albumin or polyvinyl alcohol. <i>Theriogenology</i> , 2004 , 61, 561-72	2.8	48

(2005-2004)

406	Xenogenous fertilization of equine oocytes following recovery from slaughterhouse ovaries and in vitro maturation. <i>Theriogenology</i> , 2004 , 61, 381-91	3
405	In-vitro maturation of human oocytes. 2004 , 8, 148-66	140
404	Bovine blastocyst development in vitro: timing, sex, and viability following vitrification. 2004 , 71, 1671-6	44
403	p66shc, but not p53, is involved in early arrest of in vitro-produced bovine embryos. 2004 , 10, 383-92	54
402	Effect of six-and ten-day-old chick embryo amniotic fluid on development of two-cell mouse embryos. 2004 , 53, 453-6	2
401	Effects of bovine oviduct epithelial cells, fetal calf serum and bovine serum albumin on gene expression in single bovine embryos produced in the synthetic oviduct fluid culture system. 2005 , 17, 751-7	8
400	Cloned human embryonic stem cells for tissue repair and transplantation. 2005 , 1, 99-109	7
399	Molecular control of mitochondrial function in preimplantation mouse embryos. 2005, 71, 405-13	148
398	Susceptibility of in vivo- and in vitro-produced porcine embryos to classical swine fever virus. 2005 , 40, 415-21	1
397	In Vitro and in vivo developmental competence of dromedary (Camelus dromedarius) embryos produced in vitro using two culture systems (mKSOMaa and oviductal cells). 2005 , 40, 245-9	21
396	Influence of serum source on buffalo in vitro embryonic development with reference to heat inactivation. 2005 , 96, 285-289	2
395	In vivo culture of IVM/IVF embryos in bovine oviducts by transvaginal endoscopy. 2005 , 52, 94-8	15
394	Epigenetic reprogramming throughout preimplantation development and consequences for assisted reproductive technologies. 2005 , 75, 1-9	39
393	Maturation of pig oocytes in vitro in a medium with pyruvate. 2005 , 38, 869-72	5
392	Amino acid depletion and appearance during porcine preimplantation embryo development in vitro. 2005 , 130, 655-68	50
391	Porcine embryo development and fragmentation and their relation to apoptotic markers: a cinematographic and confocal laser scanning microscopic study. 2005 , 129, 443-52	64
390	Factors involved in vivo and in vitro maturation of canine oocytes. <i>Theriogenology</i> , 2005 , 63, 41-59 2.8	77
389	The effect of oxygen tension on porcine embryonic development is dependent on embryo type. Theriogenology, 2005, 63, 2040-52	53

388	Gene expression and developmental competence of bovine embryos produced in vitro under varying embryo density conditions. <i>Theriogenology</i> , 2005 , 64, 1559-72	2.8	28
387	Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen. <i>Theriogenology</i> , 2005 , 64, 1797-808	2.8	33
386	Developmental competence of oocytes from prepubertal Bos indicus crossbred cattle. 2005 , 85, 53-9		17
385	Effects of steroidal glycoalkaloids from potatoes (Solanum tuberosum) on in vitro bovine embryo development. 2005 , 85, 243-50		24
384	Duration and temperature of culture medium equilibration affect frequency of blastocyst development. 2005 , 10, 124-9		12
383	Granulocyte-macrophage colony-stimulating factor stimulates mouse blastocyst inner cell mass development only when media lack human serum albumin. 2005 , 10, 511-8		33
382	A critical assessment of the impact of the European Union Tissues and Cells Directive (2004) on laboratory practices in assisted conception. 2005 , 11, 162-76		31
381	Assisted Reproductive Technologies and Genetic Modifications in Rats. 2006 , 165-189		2
380	Adaptive Responses of Early Embryos to Their Microenvironment and Consequences for Post-Implantation Development. 2006 , 58-69		5
379	Metabolic regulation of in vitro-produced bovine embryos. II. Effects of phenazine ethosulfate, sodium azide and 2,4-dinitrophenol during post-compaction development on glucose metabolism and lipid accumulation. 2006 , 18, 597-607		33
378	Can Vero cell co-culture improve in-vitro maturation of bovine oocytes?. 2006 , 13, 404-11		31
377	Storage of bovine isolated follicles: a new alternative way to improve the recovery rate of viable embryos from ovarian follicles of slaughtered cows. 2006 , 96, 186-95		1
376	Cumulus coculture and cumulus-aided embryo transfer increases pregnancy rates in patients undergoing in vitro fertilization. 2006 , 86, 839-47		41
375	Successful pig embryonic development in vitro outside a CO2 gas-regulated incubator: effects of pH and osmolality. <i>Theriogenology</i> , 2006 , 65, 860-9	2.8	21
374	Is apoptosis in bovine in vitro produced embryos related to early developmental kinetics and in vivo bull fertility?. <i>Theriogenology</i> , 2006 , 65, 1691-703	2.8	43
373	Improved felid embryo development by group culture is maintained with heterospecific companions. <i>Theriogenology</i> , 2006 , 66, 82-92	2.8	41
372	Development of pig embryos after electro-activation and in vitro fertilization in PZM-3 or PZM supplemented with fetal bovine serum. 2006 , 52, 91-8		17
371	In vitro Fertilization. 2006,		

(2007-2006)

370	Bovine blastocyst diameter as a morphological tool to predict embryo cell counts, embryo sex, hatching ability and developmental characteristics after transfer to recipients. 2006 , 18, 551-7	16
369	Effects of amino acid supplements and replacement of polyvinyl alcohol with bovine serum albumin in porcine zygote medium. 2006 , 18, 789-95	33
368	Metabolic regulation of in-vitro-produced bovine embryos. I. Effects of metabolic regulators at different glucose concentrations with embryos produced by semen from different bulls. 2006 , 18, 585-96	37
367	Gene expression and developmental competence of bovine embryos produced in vitro with different serum concentrations. 2006 , 41, 129-36	15
366	Mitochondrial organization in prepubertal goat oocytes during in vitro maturation and fertilization. 2006 , 73, 617-26	24
365	Reduction of all-trans-retinoic acid-induced teratogenesis in the rat by glycine administration. 2006 , 76, 731-8	4
364	Interobserver agreement and intraobserver reproducibility of embryo quality assessments. 2006 , 21, 2141-8	58
363	The effect of paracrine/autocrine interactions on the in vitro culture of bovine preimplantation embryos. 2006 , 131, 269-77	96
362	Effect of embryo developmental stage and culture conditions on number and quality of ovine in vitro produced blastocysts. 2006 , 14, 181-7	3
361	Developmental and molecular correlates of bovine preimplantation embryos. 2006 , 131, 895-904	67
360	Recombinant human albumin supports development of somatic cell nuclear transfer embryos in mice: toward the establishment of a chemically defined cloning protocol. 2006 , 8, 24-40	12
359	Human embryo culture. 2006 , 420, 3-18	23
358	Temporal detection of caspase-3 and -7 in bovine in vitro produced embryos of different developmental capacity. 2007 , 133, 709-18	40
357	The Comparative Cryobiology of Preimplantation Embryos from Domestic Animals. 213-235	2
356	Pregnancy and calving rates following transfer of in-vitro-produced river and F1 (river x swamp) buffalo (Bubalus bubalis) embryos in recipients on natural oestrus or synchronised for ovulation. 2007 , 19, 670-6	9
355	Effects of iron and copper in culture medium on bovine oocyte maturation, preimplantation embryo development, and apoptosis of blastocysts in vitro. 2007 , 53, 777-84	20
354	Assessment of soluble human leukocyte antigen G in human embryos. 2007 , 159-168	1
353	Improved fertilization and embryo development resulting in birth of live piglets after intracytoplasmic sperm injection and in vitro culture in a cysteine-supplemented medium. 2.8 Theriogenology, 2007, 67, 835-47	27

352	Expression pattern of oxygen and stress-responsive gene transcripts at various developmental stages of in vitro and in vivo preimplantation bovine embryos. <i>Theriogenology</i> , 2007 , 68, 265-75	2.8	66
351	Development and quality of sheep embryos cultured in commercial G1.3/G2.3 sequential media. 2007 , 98, 233-40		11
350	Effect of cysteamine supplementation of in vitro matured bovine oocytes on chilling sensitivity and development of embryos. 2007 , 98, 282-92		19
349	Development of mouse embryos co-cultured with polarized or non-polarized uterine epithelial cells using sequential culture media. 2007 , 100, 141-57		9
348	Ultra-structural changes and developmental potential of porcine oocytes following vitrification. 2007 , 100, 128-40		55
347	Beta-catenin localization and timing of early development of bovine embryos obtained from oocytes matured in the presence of follicle stimulating hormone. 2007 , 100, 264-79		9
346	Effects of in vitro maturation of monkey oocytes on their developmental capacity. 2007, 98, 56-71		15
345	Effect of reduced oxygen concentrations on the outcome of in vitro fertilization. 2007, 87, 213-6		53
344	Embryo culture and long-term consequences. 2007 , 19, 43-52		50
343	Incidence and complications of multiple gestation in Canada: proceedings of an expert meeting. 2007 , 14, 773-90		21
343			21
	2007 , 14, 773-90		
342	2007, 14, 773-90 . 2007, Quality and developmental ability of dromedary (Camelus dromedarius) embryos obtained by		8
34 ² 34 ¹	2007, 14, 773-90 . 2007, Quality and developmental ability of dromedary (Camelus dromedarius) embryos obtained by IVM/IVF, in vivo matured/IVF or in vivo matured/fertilized oocytes. 2007, 42, 263-70		8
342 341 340	. 2007, Quality and developmental ability of dromedary (Camelus dromedarius) embryos obtained by IVM/IVF, in vivo matured/IVF or in vivo matured/fertilized oocytes. 2007, 42, 263-70 Embryo culture medium: which is the best?. 2007, 21, 83-100 Influence of in vitro oxygen concentrations on preimplantation embryo development, gene		8 11 136
342 341 340 339	2007, 14, 773-90 . 2007, Quality and developmental ability of dromedary (Camelus dromedarius) embryos obtained by IVM/IVF, in vivo matured/IVF or in vivo matured/fertilized oocytes. 2007, 42, 263-70 Embryo culture medium: which is the best?. 2007, 21, 83-100 Influence of in vitro oxygen concentrations on preimplantation embryo development, gene expression and production of Hanwoo calves following embryo transfer. 2007, 74, 486-96		8 11 136 27
342 341 340 339 338	. 2007, Quality and developmental ability of dromedary (Camelus dromedarius) embryos obtained by IVM/IVF, in vivo matured/IVF or in vivo matured/fertilized oocytes. 2007, 42, 263-70 Embryo culture medium: which is the best?. 2007, 21, 83-100 Influence of in vitro oxygen concentrations on preimplantation embryo development, gene expression and production of Hanwoo calves following embryo transfer. 2007, 74, 486-96 Lambing rate using vitrified blastocysts is improved by culture with BSA and hyaluronan. 2007, 74, 42-7 Amino acids in oviduct and uterine fluid and blood plasma during the estrous cycle in the bovine.		8 11 136 27 24

(2008-2007)

334	Selenium improves the developmental ability and reduces the apoptosis in porcine parthenotes. 2007 , 74, 1386-94	42
333	Elective transfer of two embryos: reduction of multiple gestations while maintaining high pregnancy rates. 2007 , 24, 11-5	10
332	Kinetin enhances in vitro development of parthenogenetic and nuclear transfer porcine embryos. 2008 , 75, 1701-9	5
331	Effects of activin A on the in vitro development and mRNA expression of bovine embryos cultured in chemically-defined two-step culture medium. 2010 , 45, 585-93	7
330	Consequences of in vitro culture conditions on embryo development and quality. 2008 , 43 Suppl 4, 44-50	118
329	The Well-of-the-Well system: an efficient approach to improve embryo development. 2008, 17, 73-81	93
328	Cycle outcome can be predicted by the growth profile of untransferred cleavage-stage embryos. 2008 , 16, 124-8	
327	Dissection of culture media for embryos: the most important and less important components and characteristics. 2008 , 20, 9-18	81
326	Development of a pronuclear DNA microinjection technique for production of green fluorescent protein-expressing bubaline (Bubalus bubalis) embryos. <i>Theriogenology</i> , 2008 , 69, 655-65	6
325	Effects of culture conditions and nuclear transfer protocols on blastocyst formation and mRNA expression in pre-implantation porcine embryos. <i>Theriogenology</i> , 2008 , 69, 416-25	35
324	Set up of a serum-free culture system for bovine embryos: embryo development and quality before and after transient transfer. <i>Theriogenology</i> , 2008 , 69, 612-23	47
323	To QC or not to QC: the key to a consistent laboratory?. 2008 , 20, 23-32	57
322	Influence of well defined protein source on in vitro maturation of human oocyte: human follicular fluid versus human serum albumin. 2008 , 89, 348-52	11
321	Effect of hyaluronan-enriched transfer medium on implantation and pregnancy rates after day 3 and day 5 embryo transfers: a prospective randomized study. 2008 , 90, 604-12	51
320	Choosing a culture medium: making informed choices. 2008 , 90, 473-83	114
319	Erythrocytes counteract the negative effects of female ageing on mouse preimplantation embryo development and blastocyst formation. 2008 , 23, 2080-5	3
318	Oocyte in vitro maturation. 2008 , 111-153	2
317	Developmental responses of 2-cell embryos to oxygen tension and bovine serum albumin in Wistar rats. 2008 , 57, 123-8	8

316	Defined system for in vitro production of porcine embryos using a single basic medium. 2008, 54, 208-13	120
315	Efeito do citrato e taurina em meio CR2aa no desenvolvimento de embri\(\textit{B}\)s bovinos fecundados in vitro. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2009 , 61, 88-94	2
314	The effect of interaction between macromolecule supplement and oxygen tension on bovine oocytes and embryos cultured in vitro. 2009 , 17, 321-8	15
313	Cryopreservation of manipulated embryos: tackling the double jeopardy. 2009 , 21, 45-59	11
312	Attempts at in vitro fertilization and culture of in vitro matured oocytes in sei (Balaenoptera borealis) and Brydeß (B. edeni) whales. 2009 , 17, 19-28	7
311	Evaluation of blastomere biopsy using a mouse model indicates the potential high risk of neurodegenerative disorders in the offspring. 2009 , 8, 1490-500	37
310	Preimplantation genetic screening outcomes are associated with culture conditions. 2009, 24, 1212-20	17
309	Viability of bovine embryos following exposure to the green filtered or wider bandwidth light during in vitro embryo production. 2009 , 24, 308-14	21
308	Disruption of mitochondrial malate-aspartate shuttle activity in mouse blastocysts impairs viability and fetal growth. 2009 , 80, 295-301	61
307	A modified culture method significantly improves the development of mouse somatic cell nuclear transfer embryos. 2009 , 138, 301-8	12
306	Effect of serum albumin supplementation on in vitro capacitation and fertilization of caprine oocytes. 2009 , 81, 85-89	5
305	An auto-controlled prospective comparison of two embryos culture media (G III series versus ISM) for IVF and ICSI treatments. 2009 , 26, 575-81	18
304	Effect of taurine and melatonin in the culture medium on buffalo in vitro embryo development. 2009 , 44, 12-6	48
303	Efficiency of SCNT buffalo (Bubalus bubalis) embryos in different culture medium and analysis of mRNA expression of insulin-like growth factors during embryogenesis. 2010 , 45, 786-95	6
302	Effects of culture medium and protein supplementation on mRNA expression of in vitro produced bovine embryos. 2009 , 76, 783-93	25
301	Sildenafil citrate (Viagra) impairs fertilization and early embryo development in mice. 2009 , 91, 893-9	19
300	Evaluation of two incubation environmentsISO class 8 versus ISO class 5on intracytoplasmic sperm injection cycle outcome. 2009 , 91, 1780-4	9
299	Nuclear maturation and structural components of nonhuman primate cumulus-oocyte complexes during in vivo and in vitro maturation. 2009 , 91, 2043-50	10

298	Continuous uninterrupted single medium culture without medium renewal versus sequential media culture: a sibling embryo study. 2009 , 92, 1783-6		63
297	[Is there an interest in the addition of hyaluronan to human embryo culture in IVF/ICSI attempts?]. 2009 , 37, 884-9		5
296	Preimplantation development and expression of Hsp-70 and Bax genes in bovine blastocysts derived from oocytes matured in alpha-MEM supplemented with growth factors and synthetic macromolecules. <i>Theriogenology</i> , 2009 , 71, 620-7	2.8	21
295	Culture systems for bovine embryos. 2009 , 121, 141-149		16
294	Effect of recombinant bovine somatotropin (bST) on follicular population and on in vitro buffalo embryo production. 2009 , 113, 51-9		21
293	Factors and methods of pig oocyte and embryo quality improvement and their application in reproductive biotechnology. 2009 , 9, 97-112		19
292	The use of coculture in assisted reproductive technology: does it have any impact?. 2009 , 21, 253-9		2
291	Application of in vitro maturation to assisted reproductive technology. 2009 , 55, 1-10		47
290	Culture media for human preimplantation embryos in assisted reproductive technology cycles. 2009 ,		5
289	Inhibitory Effect of Iodoacetate on Developmental Competence of Porcine Early Stage Embryos In Vitro. 2009 , 16, 25-29		1
288	In Vitro Maturation of Human Immature Oocytes. 2010 , 1, 169-180		4
287	Development of bovine embryos cultured in CR1aa and IVD101 media using different oxygen tensions and culture systems. 2010 , 58, 465-74		5
286	Relationship between the length of cell cycles, cleavage pattern and developmental competence in bovine embryos generated by in vitro fertilization or parthenogenesis. 2010 , 56, 200-7		49
285	A study of the effect of an extremely low oxygen concentration on the development of human embryos in assisted reproductive technology. 2010 , 9, 163-168		4
284	Effects of serum-free in vitro maturation of bovine oocytes on subsequent embryo development and cell allocation in two developmental stages of day 7 blastocysts. 2010 , 45, 42-9		27
283	Antioxidative effects of astaxanthin against nitric oxide-induced oxidative stress on cell viability and gene expression in bovine oviduct epithelial cell and the developmental competence of bovine IVM/IVF embryos. 2010 , 45, 967-74		28
282	Assessment of DNA damage during in vitro development of buffalo (Bubalus bubalis) embryos: effect of cysteamine. 2010 , 45, 1118-21		6
281	The clinical in-vitro fertilization laboratory. 109-126		

280	Side-by-side comparison of five commercial media systems in a mouse model: suboptimal in vitro culture interferes with imprint maintenance. 2010 , 83, 938-50		158
279	Influence of cumulus cell coculture and cumulusaided embryo transfer on embryonic development and pregnancy rates. 2010 , 11, 121-6		6
278	Towards the use of microfluidics for individual embryo culture. 2010 , 22, 32-9		41
277	Effect of oxygen tension and serum during IVM on developmental competence of bovine oocytes. 2010 , 22, 1074-82		14
276	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
275	Enhanced histone acetylation in somatic cells induced by a histone deacetylase inhibitor improved inter-generic cloned leopard cat blastocysts. <i>Theriogenology</i> , 2010 , 74, 1439-49	2.8	26
274	Redox control in mammalian embryo development. 2010 , 13, 833-75		96
273	Low oxygen tension during IVM improves bovine oocyte competence and enhances anaerobic glycolysis. 2010 , 20, 341-9		57
272	Factors affecting pregnancy in IVF: age and duration of embryo transfer. 2010 , 20, 380-6		11
271	Embryo culture: can we perform better than nature?. 2010 , 20, 453-69		60
270	Zona-free embryo culture: is it a viable option to improve pregnancy rates?. 2010 , 21, 17-25		34
269	Time-lapse analysis of mouse embryo development in oxygen gradients. 2010 , 21, 402-10		111
268	OMICS in assisted reproduction: possibilities and pitfalls. 2010 , 16, 513-30		96
267	Embryo metabolism and in vitro culture. 2011 , 511-519		
266	Development and subsequent cryotolerance of domestic cat embryos cultured in serum-free and serum-containing media. 2011 , 63, 170-4		10
265	In vitro maturation supplements affect developmental competence of bovine cumulus-oocyte complexes and embryo quality after vitrification. 2011 , 63, 245-55		26
264	Ovarian stimulation, in vitro fertilization, and effects of culture conditions on baboon preimplantation embryo development. 2011 , 95, 1217-23		7
263	In vitro maturation (IVM) of murine and human germinal vesicle (GV)-stage oocytes by coculture with immortalized human fallopian tube epithelial cells. 2011 , 95, 1344-8		8

262	Comparison of in vitro maturation media of immature oocytes: the effectiveness of blastocyst culture media. 2011 , 95, 554-7		15
261	Fetal calf serum enhances in vitro production of Bos taurus indicus embryos. <i>Theriogenology</i> , 2011 , 75, 429-33	2.8	9
260	Effect of different culture media on the temporal gene expression in the bovine developing embryos. <i>Theriogenology</i> , 2011 , 75, 995-1004	2.8	22
259	Lipid content and apoptosis of in vitro-produced bovine embryos as determinants of susceptibility to vitrification. <i>Theriogenology</i> , 2011 , 75, 1211-20	2.8	90
258	DNA fragmentation in canine oocytes after in vitro maturation in TCM-199 medium supplemented with different proteins. <i>Theriogenology</i> , 2011 , 76, 1304-12	2.8	4
257	Effect of energy source during culture on in vitro embryo development, resistance to cryopreservation and sex ratio. <i>Theriogenology</i> , 2011 , 76, 1347-55	2.8	22
256	Cloned calves derived from somatic cell nuclear transfer embryos cultured in chemically defined medium or modified synthetic oviduct fluid. 2011 , 12, 83-9		4
255	The effect of udenafil (zydena) on the fertilization and early embryo development in mice. 2011 , 54, 508		
254	The effects of ovalbumin as a protein source during the in vitro production of bovine embryos. 2011 , 40, 2135-2141		3
253	The Roles of Glutathione Peroxidases during Embryo Development. 2011 , 4, 12		74
253 252	The Roles of Glutathione Peroxidases during Embryo Development. 2011 , 4, 12 Embryo culture in the twenty-first century. 232-247		74
252	Embryo culture in the twenty-first century. 232-247	3.7	1
252 251	Embryo culture in the twenty-first century. 232-247 Effect of culture conditions on viability of mouse and rat embryos developed in vitro. 2011, 2, 332-44 Microinjection manipulation resulted in the increased apoptosis of spermatocytes in testes from	3.7	1
252 251 250	Embryo culture in the twenty-first century. 232-247 Effect of culture conditions on viability of mouse and rat embryos developed in vitro. 2011, 2, 332-44 Microinjection manipulation resulted in the increased apoptosis of spermatocytes in testes from intracytoplasmic sperm injection (ICSI) derived mice. <i>PLoS ONE</i> , 2011, 6, e22172 Development and application of a chemically defined medium for the in vitro production of porcine	3.7	1 15 16
252 251 250 249	Embryo culture in the twenty-first century. 232-247 Effect of culture conditions on viability of mouse and rat embryos developed in vitro. 2011, 2, 332-44 Microinjection manipulation resulted in the increased apoptosis of spermatocytes in testes from intracytoplasmic sperm injection (ICSI) derived mice. <i>PLoS ONE</i> , 2011, 6, e22172 Development and application of a chemically defined medium for the in vitro production of porcine embryos. 2011, 57, 9-16 Improving the quality of miniature pig somatic cell nuclear transfer blastocysts: aggregation of	3.7	1 15 16 31
252 251 250 249 248	Embryo culture in the twenty-first century. 232-247 Effect of culture conditions on viability of mouse and rat embryos developed in vitro. 2011, 2, 332-44 Microinjection manipulation resulted in the increased apoptosis of spermatocytes in testes from intracytoplasmic sperm injection (ICSI) derived mice. PLoS ONE, 2011, 6, e22172 Development and application of a chemically defined medium for the in vitro production of porcine embryos. 2011, 57, 9-16 Improving the quality of miniature pig somatic cell nuclear transfer blastocysts: aggregation of SCNT embryos at the four-cell stage. 2011, 46, 189-96 Effect of mSOF and G1.1/G2.2 media on the developmental competence of SCNT-derived bovine		1 15 16 31 20

Latrunculin a Enhances the Parthenogenetic Developmental Potentials of Electrically Activated Porcine Oocytes Matured In Vitro. **2011**, 236-238, 2548-2553

243	Effect of serum on the mitochondrial active area on developmental days 1 to 4 in in vitro-produced bovine embryos. 2011 , 19, 297-306		10
242	Embryo culture media for human IVF: which possibilities exist?. 2011 , 12, 110-7		27
241	Comparison of elective single cleavage-embryo transfer to elective single blastocyst-embryo transfer in human IVF-ET. 2011 , 38, 53-60		4
240	Detrimental effects of antibiotics on mouse embryos in chromatin integrity, apoptosis and expression of zygotically activated genes. 2011 , 19, 137-45		6
239	Developmental competence of porcine oocytes after in vitro maturation and in vitro culture under different oxygen concentrations. 2012 , 20, 1-8		29
238	Effects of chemically defined medium on early development of porcine embryos derived from parthenogenetic activation and cloning. 2012 , 20, 229-36		15
237	Importance of supply integrity for in vitro fertilization and embryo culture. 2012 , 30, 182-90		17
236	Time-lapse technology: evaluation of embryo quality and new markers for embryo selection. 2012 , 7, 175-190		12
235	Unravelling the needs of singly in vitro-produced bovine embryos: from cumulus cell co-culture to semi-defined, oil-free culture conditions. 2012 , 24, 1084-92		10
234	Defined media optimization for in vitro culture of bovine somatic cell nuclear transfer (SCNT) embryos. <i>Theriogenology</i> , 2012 , 78, 2110-9	2.8	18
233	Amino acids in cat fallopian tube and follicular fluids. <i>Theriogenology</i> , 2012 , 77, 558-62	2.8	5
232	Culture systems: mineral oil overlay. 2012 , 912, 325-31		17
231	Embryo culture and epigenetics. 2012 , 912, 399-421		18
230	Influence of zona pellucida thickness on fertilization, embryo implantation and birth. 2012 , 132, 96-100		19
229	Human endometrial cell coculture reduces the endocrine disruptor toxicity on mouse embryo development. 2012 , 7, 7		10
228	Media composition: antioxidants/chelators and cellular function. 2012 , 912, 129-59		3
227	Utility of animal models for human embryo culture development: domestic species. 2012 , 912, 27-37		5

226	Transcriptome profile of early mammalian embryos in response to culture environment. 2012 , 134, 76-83	20
225	Efficiency of in vitro embryo production of yak (Bos grunniens) cultured in different maturation and culture conditions. 2012 , 40, 323-329	3
224	Cumulative Morphological Assessment of Embryo Quality. 2012 , 385-404	
223	In vitro maturation (IVM) of porcine oocytes. 2012 , 825, 183-98	24
222	Germline Development. 2012 ,	1
221	In vitro and in vivo quality of bovine embryos in vitro produced with sex-sorted sperm. Theriogenology, 2012 , 78, 1465-75	40
220	Embryo Culture. 2012 ,	5
219	The Future of Human Embryo Culture Media IDr Have We Reached the Ceiling?. 2012,	4
218	In vivo culture of bovine embryos and quality assessment of in vivo vs. in vitro produced embryos. 2012 , 50, 149-158	6
217	Addition of erythrocytes to in vitro culture medium attenuates the detrimental effects of reactive oxygen species on bovine preimplantation embryo development. 2012 , 83, 31-5	1
216	Treatment of ovine oocytes with certain water-soluble vitamins during in vitro maturation (IVM). 2012 , 104, 139-145	7
215	In vitro embryo production in llamas (Lama glama) from in vivo matured oocytes with raw semen processed with Androcoll-E using defined embryo culture media. 2012 , 47, 562-7	16
214	Oocyte insemination techniques are related to alterations of embryo developmental timing in an oocyte donation model. 2013 , 27, 367-75	51
213	Expression pattern of glucose metabolism genes in relation to development rate of buffalo (Bubalus bubalis) oocytes and in vitro-produced embryos. <i>Theriogenology</i> , 2013 , 80, 914-22	5
212	Human Gametes and Preimplantation Embryos. 2013,	5
211	Effect of human adipose tissue-derived mesenchymal-stem-cell bioactive materials on porcine embryo development. 2013 , 80, 1035-47	14
210	Does serum cause lipid-droplet accumulation in bovine embryos produced in vitro, during developmental days 1 to 4?. 2013 , 30, 1377-88	4
209	Modern principles of classification and development of nutrient media for culturing of human and animal cells. 2013 , 155, 164-71	1

208	In vitro production of embryos in South American camelids. 2013 , 136, 187-93		13
207	Variability in protein quality used for embryo culture: embryotoxicity of the stabilizer octanoic acid. 2013 , 100, 544-9		23
206	A simple medium enables bovine embryos to be held for seven days at 4°C. <i>Scientific Reports</i> , 2013 , 3, 1173	4.9	25
205	Effect of supplementation of different growth factors in embryo culture medium with a small number of bovine embryos on in vitro embryo development and quality. 2013 , 7, 455-62		19
204	Expression and distribution of cell adhesion-related proteins in bovine parthenogenetic embryos: The effects of oocyte vitrification. <i>Theriogenology</i> , 2013 , 80, 34-40	2.8	6
203	Effect of physiologically relevant heat shock on development, apoptosis and expression of some genes in buffalo (Bubalus bubalis) embryos produced in vitro. 2013 , 48, 858-65		20
202	Effect of Protein Supplementation on in vitro Maturation of Sheep Oocytes and in vitro Culture of Preimplantation with ⊞ocopherol Supplementation in CR1aa Medium on Sheep Embryos to the Blastocyst Stage. 2013 , 04,		1
201	A microfluidic system supports single mouse embryo culture leading to full-term development. 2013 , 3, 26451		30
200	Advances in quality control: mouse embryo morphokinetics are sensitive markers of in vitro stress. 2013 , 28, 1776-82		43
199	A co-culture device with a tunable stiffness to understand combinatorial cell-cell and cell-matrix interactions. 2013 , 5, 1344-54		20
198	Developmental Speed Affects the Cryotolerance of In Vitro Produced Buffalo (Babalus Bubalis) Embryos. 2013 , 12, e80		2
197	Morphological Assessment of Oocytes, Pronuclear and Cleavage Stage Embryos. 2013 , 17-30		
196	Human and mouse embryonic development, metabolism and gene expression are altered by an ammonium gradient in vitro. 2013 , 146, 49-61		35
195	Maturation environment and impact on subsequent developmental competence of bovine oocytes. 2013 , 48 Suppl 1, 38-43		34
194	Culture medium composition affects the gene expression pattern and in vitro development potential of bovine somatic cell nuclear transfer (SCNT) embryos. 2013 , 46, 452-62		10
193	Overview. 1-3		
192	Mitochondrial toxicity in human pregnancy: an update on clinical and experimental approaches in the last 10 years. 2014 , 11, 9897-918		18
191	Essential features in media development for spermatozoa, oocytes, and embryos. 47-67		

190	Embryotropic actions of follistatin: paracrine and autocrine mediators of oocyte competence and embryo developmental progression. 2013 , 26, 37-47	16
189	In vitro maturation of immature human oocytes. 155-171	
188	Composition of protein supplements used for human embryo culture. 2014 , 31, 1703-11	62
187	Different preferences of IVF and SCNT bovine embryos for culture media. 2014 , 22, 1-9	5
186	A review of luteinising hormone and human chorionic gonadotropin when used in assisted reproductive technology. 2014 , 12, 95	42
185	Effect of lanosterol on the in vitro maturation in semi-defined culture system of prepubertal ewe oocytes. 2014 , 22, 50-7	3
184	Embryo Preservation and in Vitro Production of Embryos. 2014 , 322-327	
183	Laboratory procedures for human in vitro fertilization. 2014 , 32, 272-82	12
182	Maternal diabetes leads to unphysiological high lipid accumulation in rabbit preimplantation embryos. 2014 , 155, 1498-509	18
181	In Vitro Fertilization. 2014 , 758-770	
180	Beneficial effect of two culture systems with small groups of embryos on the development and quality of in vitro-produced bovine embryos. 2014 , 43, 22-30	12
179	Current status of in vitro embryo production in sheep and goats. 2014 , 49 Suppl 4, 37-48	46
178	Influence of selected (pre-)maturational parameters on in vitro development and sex distribution of bovine embryos. 2014 , 22, 41-9	6
177	Equine oviduct explant culture: a basic model to decipher embryo-maternal communication. 2014 , 26, 954-66	13
176	Improvement of mouse embryo quality by myo-inositol supplementation of IVF media. 2014 , 31, 463-9	36
175	Culture of Viable Mammalian Embryos In Vitro. 2014 , 63-84	3
174	Development rate and gene expression of IVP bovine embryos cocultured with bovine oviduct epithelial cells at early or late stage of preimplantation development. <i>Theriogenology</i> , 2014 , 81, 1163-73 ^{2.8}	45
173	Improvement of bovine in vitro embryo production by vitamin Kßupplementation. 2014 , 148, 489-97	9

172	Composition of commercial media used for human embryo culture. 2014 , 102, 759-766.e9		108
171	Molecular and ultrastuctural changes of rat pre-implantation embryos during two-cell developmental arrest. 2014 , 31, 767-80		7
170	Traditional and modern approaches to culture of preimplantation mammalian embryos in vitro. 2014 , 45, 53-65		8
169	Different Methods of Oocytes Recovery for in Vitro Maturation in Nili Ravi Buffalo医 Oocytes. 2014 , 8, 359-363		2
168	First llama (Lama glama) pregnancy obtained after in vitro fertilization and in vitro culture of gametes from live animals. 2014 , 148, 83-9		12
167	The ART of studying early embryo development: progress and challenges in ruminant embryo culture. <i>Theriogenology</i> , 2014 , 81, 49-55	2.8	26
166	Molecular signatures of bovine embryo developmental competence. 2013 , 26, 22-36		11
165	Morphometric analysis of human embryos to predict developmental competence. 2013 , 26, 55-64		8
164	The preparation and culture of washed human sperm: A comparison of a suite of protein-free media with media containing human serum albumin. 2015 , 4, 222-227		4
163	The ART of selecting the best embryo: A review of early embryonic mortality and bovine embryo viability assessment methods. 2015 , 82, 822-38		17
162	pH regulation in gamete and embryo culture systems. 59-78		
161	Bovine Oviduct Epithelial Cells Dedifferentiate Partly in Culture, While Maintaining their Ability to Improve Early Embryo Development Rate and Quality. 2015 , 50, 719-29		20
160	Prolonging hypothermic storage (4 C) of bovine embryos with fish antifreeze protein. 2015 , 61, 1-6		19
159	Microwells support high-resolution time-lapse imaging and development of preimplanted mouse embryos. 2015 , 9, 022407		17
158	A comparison of pregnancy outcomes between day 3 and day 5/6 embryo transfers: does day of embryo transfer really make a difference?. 2015 , 32, 249-54		24
157	Exogenous glutathione supplementation in culture medium improves the bovine embryo development after in vitro fertilization. <i>Theriogenology</i> , 2015 , 84, 716-23	2.8	14
156	Oxygen tension affects histone remodeling of in vitro-produced embryos in a bovine model. <i>Theriogenology</i> , 2015 , 83, 1408-15	2.8	26
155	Birth of piglets from in vitro-produced porcine blastocysts vitrified and warmed in a chemically defined medium. <i>Theriogenology</i> , 2015 , 84, 1314-20	2.8	20

(2017-2015)

154	The use of mineral oil during in vitro maturation, fertilization, and embryo culture does not impair the developmental competence of pig oocytes. <i>Theriogenology</i> , 2015 , 83, 693-702	2.8	13
153	Lipid-rich bovine serum albumin improves the viability and hatching ability of porcine blastocysts produced in vitro. 2016 , 62, 79-86		5
152	Ammonium accumulation in commercially available embryo culture media and protein supplements during storage at 2-8°C and during incubation at 37°C. 2016 , 31, 1192-9		34
151	Developmental regulation and modulation of apoptotic genes expression in sheep oocytes and embryos cultured in vitro with L-carnitine. 2016 , 51, 1020-1029		12
150	Differences in developmental competence and gene expression profiles between buffalo (Bubalus bubalis) preimplantation embryos cultured in three different embryo culture media. 2016 , 68, 1973-86		5
149	Elevated intracellular pH appears in aged oocytes and causes oocyte aneuploidy associated with the loss of cohesion in mice. 2016 , 15, 2454-63		17
148	Assessment of human embryo development using morphological criteria in an era of time-lapse, algorithms and PDMICSP is looking good still important?. 2016 , 22, 704-718		78
147	Combined effects of individual culture and atmospheric oxygen on preimplantation mouse embryos in vitro. 2016 , 33, 537-549		20
146	Hypoxia during mammalian preimplantation development: Extreme circumstance vs. typical environment. 2016 , 47, 99-102		1
145	Crocetin improves the quality of in vitro-produced bovine embryos: Implications for blastocyst development, cryotolerance, and apoptosis. <i>Theriogenology</i> , 2016 , 86, 1879-85	2.8	17
144	Ultra-Structural Alterations in In Vitro Produced Four-Cell Bovine Embryos Following Controlled Slow Freezing or Vitrification. 2016 , 45, 291-307		5
143	Effect of cryopreservation on the properties of human endometrial stromal cells used in embryo co-culture systems. 2016 , 33, 473-80		2
142	Effects of rumen-protected methionine and choline supplementation on the preimplantation embryo in Holstein cows. <i>Theriogenology</i> , 2016 , 85, 1669-1679	2.8	29
141	Effect of mesenchymal stem cells and mouse embryonic fibroblasts on the development of preimplantation mouse embryos. 2016 , 52, 497-506		10
140	Improved Murine Blastocyst Quality and Development in a Single Culture Medium Compared to Sequential Culture Media. <i>Reproductive Sciences</i> , 2016 , 23, 310-7	3	5
139	The effects of chemical and physical factors on mammalian embryo culture and their importance for the practice of assisted human reproduction. <i>Human Reproduction Update</i> , 2016 , 22, 2-22	15.8	148
138	Effects of high three pro-nuclei (3PN) proportion incidence on clinical outcomes in the fresh cleavage-stage and blastocyst-stage embryo transfer (ET) cycles. 2017 , 33, 53-56		2
137	Development of In Vitro Maturation for Human Oocytes. 2017,		2

136	Impact of the IVF laboratory environment on human preimplantation embryo phenotype. 2017 , 8, 418-435	57
135	Vitamin K2 improves developmental competency and cryo-tolerance of in vitro derived ovine blastocyst. 2017 , 77, 34-40	8
134	Establishing and Equipping a New IVF Laboratory. 1-7	
133	Mouse Embryo Assay for Quality Control in the IVF Laboratory. 69-72	O
132	Different co-culture systems have the same impact on bovine embryo transcriptome. 2017 , 154, 695-710	3
131	Effect of charcoal:dextran stripped fetal bovine serum on in vitro development of bovine embryos. 2017 , 17, 312-319	11
130	Using stem cell oxygen physiology to optimize blastocyst culture while minimizing hypoxic stress. 2017 , 34, 1251-1259	6
129	Effect of testicular tissue lysate on developmental competence of porcine oocytes matured and fertilized in vitro. 2017 , 52, 183-188	1
128	Production, Preservation, and Transfer of South American Camelid Embryos. 2017, 4, 190	10
127	Dual effect of fetal bovine serum on early development depends on stage-specific reactive oxygen species demands in pigs. <i>PLoS ONE</i> , 2017 , 12, e0175427	19
126	Comparison of the development of human embryos cultured in either an EmbryoScope or benchtop incubator. 2018 , 35, 515-522	22
125	A survey of scientistsPawareness of and attitudes to the use of human blood products and alternatives in human assisted reproductive technology. 2018 , 21, 174-182	
124	Human sperm handling in intracytoplasmic sperm injection processes: In vitro studies on mouse oocyte activation, embryo development competence and sperm oxidation-reduction potential. 2018 , 50, e12943	6
123	Current perspectives on in vitro maturation and its effects on oocyte genetic and epigenetic profiles. 2018 , 61, 633-643	8
122	Clinical analysis of the patients with single fair cleavage-stage embryo on day 3. 2018 , 34, 129-131	1
121	Lipid profile of bovine blastocysts exposed to insulin during in vitro oocyte maturation. 2018 , 30, 1253-1266	4
120	Bovine oviductal and uterine fluid support in vitro embryo development. 2018 , 30, 935-945	18
119	Oxidative stress differentially impacts male and female bovine embryos depending on the culture medium and the stress condition. <i>Theriogenology</i> , 2018 , 117, 49-56	8

118	Rapid cooling of rabbit embryos in a synthetic medium. 2018 , 85, 113-119	1
117	Embryotropic effects of vascular endothelial growth factor on porcine embryos produced by in vitro fertilization. <i>Theriogenology</i> , 2018 , 120, 147-156	6
116	A combination of bovine serum albumin with insulin-transferrin-sodium selenite and/or epidermal growth factor as alternatives to fetal bovine serum in culture medium improves bovine embryo quality and trophoblast invasion by induction of matrix metalloproteinases. 2019 , 31, 333-346	20
115	Enabling Hamster Embryo Culture System: Development of Preimplantation Embryos. 2019 , 2006, 45-61	1
114	Do the Cytoplast and Nuclear Material of Germinal Vesicle Oocyte Support Developmental Competence Upon Reconstruction with Embryonic/Somatic Nucleus. 2019 , 21, 163-170	
113	Sequential Media for Human Blastocyst Culture. 2019 , 157-170	2
112	Control of Variables. 2019, 57-68	O
111	Applications of omics and nanotechnology to improve pig embryo production in vitro. 2019 , 86, 1531-1547	6
110	Influence of foetal calf serum supplementation during in vitro embryo culture in Iberian red deer. 2019 , 54 Suppl 4, 69-71	1
109	Parameters of the Mouse Embryo Assay that affect detection of peroxides in mineral oil. 2019 , 39, 547-555	6
108	In Vitro Culture of Embryos from LOPU-Derived Goat Oocytes. 2019 , 2006, 141-153	5
107	In Vitro Culture of Rat Preimplantation Embryos. 2019 , 2006, 33-43	O
106	Individual assessment of bovine embryo development using a homemade chamber reveals kinetic patterns of success and failure to reach blastocyst stage. 2019 , 65, 301-311	3
105	Hypothermic storage of porcine zygotes in serum supplemented with chlorogenic acid. 2019 , 54, 750-755	1
104	Which Low-Abundance Proteins are Present in the Human Milieu of Gamete/Embryo Maternal Interaction?. 2019 , 20,	7
103	The Clinical In-Vitro Fertilization Laboratory. 2019 , 156-179	
102	Haemoglobin expression in in vivo murine preimplantation embryos suggests a role in oxygen-regulated gene expression. 2019 , 31, 724-734	3
101	Finere is only one thing that is truly important in an IVF laboratory: everything PCairo Consensus Guidelines on IVF Culture Conditions. 2020 , 40, 33-60	19

100	Preservation of dromedary camel embryos at 4°C for up to 5 days: Factors affecting the pregnancy and pregnancy loss rates. <i>Theriogenology</i> , 2020 , 143, 44-49	2
99	Review: Recent advances in bovine embryo production: reproductive biotechnology history and methods. 2020 , 14, 991-1004	28
98	Rescue Potential of Supportive Embryo Culture Conditions on Bovine Embryos Derived from Metabolically Compromised Oocytes. 2020 , 21,	1
97	The effect of low and ultra-low oxygen tensions on mammalian embryo culture and development in experimental and clinical IVF. 2020 , 66, 229-235	4
96	The IVF Cycle to Come: Laboratory Innovations. 2020 , 54-66	O
95	Reproductive technologies in camelids. 2020 , 119-134	
94	Prospective randomized multicentre comparison on sibling oocytes comparing G-Series media system with antioxidants versus standard G-Series media system. 2020 , 40, 637-644	4
93	The Replacement of Fetal Bovine Serum with Bovine Serum Albumin During Oocyte Maturation and Embryo Culture Does Not Improve Blastocyst Quality After Slow Freezing Cryopreservation. 2020 , 18, 171-179	4
92	In vitro embryo production (IVEP) in camelids: Present status and future perspectives. 2021 , 21, 100471	2
91	Biophysical optimization of preimplantation embryo culture: what mechanics can offer ART. 2021 , 27,	2
90	Cellular and molecular alterations of buffalo oocytes cultured under two different levels of oxygen tension during maturation. 2021 , 29, 314-324	
89	Toward a predictive theoretical model for osmolality rise with non-humidified incubation: a randomized, multivariate response-surface study. 2021 , 36, 1230-1241	7
88	Assisted Reproductive Techniques and Genetic Manipulation in the Common Marmoset. 2021,	2
87	Back to the future: optimised microwell culture of individual human preimplantation stage embryos. 2021 , 38, 2563-2574	O
86	In Vitro Fertilisation of Mouse Oocytes in L-Proline and L-Pipecolic Acid Improves Subsequent Development. 2021 , 10,	3
85	In Vitro Fertilization. 2021 , 1124-1141	O
84	Albumin used in human IVF contain different levels of lipids and modify embryo and fetal growth in a mouse model. 2021 , 38, 2371-2381	1
83	History and prospects of intracytoplasmic sperm injection (ICSI) and the development of golden hamster ICSI embryos. 2021 , 20, 410-418	O

(2013-2021)

82	Canine IVM With SOF Medium, Insulin-Transferrin-Selenium, and Low O Tension Improves Oocyte Meiotic Competence and Decreases Reactive Oxygen Species Levels. 2021 , 9, 694889	2
81	Recent advances in critical nodes of embryo engineering technology. 2021 , 11, 7391-7424	1
80	Troubleshooting in the Clinical Embryology Laboratory: The Art of Problem-Solving in ART. 2012, 631-637	О
79	Fundamentals of the Design of Culture Media that Support Human Preimplantation Development. 2004 , 291-332	2
78	Ongoing Quality Assessment/Improvement in Clinical IVF. 2012 , 225-247	1
77	Morphological Assessment of Blastocyst Stage Embryos: Types of Grading Systems and Their Reported Outcomes. 2013 , 31-43	5
76	In vitro maturation of immature human oocytes for clinical application. 2014 , 1154, 271-88	21
75	Embryo culture and selection: morphological criteria. 2014 , 1154, 501-32	1
74	Advances in Animal In Vitro Fertilization. 2001 , 21-51	1
73	Culture medium preferences of pre-implantation cloned mouse embryos. 2006, 348, 59-78	4
72	Assisted reproductive technology in nonhuman primates. 2011 , 770, 337-63	4
71	In vitro maturation of immature human oocytes for clinical application: past, today and tomorrow. 2011 , 461-471	1
70	Tissue Maturation in Vivo and in Vitro: Gamete and Early Embryo Ontogeny. 1997, 23-138	9
69	Quality and Risk Management in the IVF Laboratory. 2004,	4
68	Embryo Culture Systems. 2017 , 205-244	4
67	In vitro culture conditions using chemically defined media for in vitro matured and intracytoplasmically inseminated porcine oocytes. 2006 , 52, 625-32	12
66	Effect of substrate stiffness on early mouse embryo development. <i>PLoS ONE</i> , 2012 , 7, e41717 3.7	58
65	Live birth from slow-frozen rabbit oocytes after in vivo fertilisation. <i>PLoS ONE</i> , 2013 , 8, e83399 3.7	

64	Study of Automated Embryo Manipulation Using Dynamic Microarray:Trapping, Culture and Collection. 2009 , 129, 245-251		2
63	Use of conjugated linoleic acid (trans 10, cis 12) to cultivate bovine embryos: effect on cryoresistance and lipid content. 48,		1
62	Taurina no desenvolvimento de embrillas bovinos fecundados in vitro. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2002 , 54, 396-404	0.3	4
61	Quantifica B de transcritos maternos em ofitos bovinos submetidos a diferentes condi l s de matura B . <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2010 , 62, 1394-1400	0.3	2
60	Optimization of a single-embryo transfer in patients with good ovarian reserve. 2020,		1
59	Analysis of blastocyst morphology. 2007 , 79-88		5
58	Uptake and release of metabolites in human preimplantation embryos. 2007, 179-190		3
57	Evaluation of embryo quality. 2008 , 241-254		1
56	Culture systems for the human embryo. 2012 , 218-239		1
55	Evaluation of embryo quality: Analysis of morphology and quantification of nutrient utilization and the metabolome. 2012 , 240-253		1
54	Effects of different concentrations of bovine follicular fluid and estrous cow serum on development of murine 2-cell embryos. 2008 , 11, 628-32		3
53	Neural Stem Cell Differentiation Using Microfluidic Device-Generated Growth Factor Gradient. 2018 , 26, 380-388		19
52	Impact of embryo co-culture with cumulus cells on pregnancy & implantation rate in patients undergoing fertilization using donor oocyte. 2017 , 146, 341-345		2
51	Assessment of Oocyte and Early Embryo Morphology with Regard to Embryonic Development and the Outcome of Assisted Reproduction. 2000 , 303-320		
50	Predicting Embryo Development. 2000 , 321-338		
49	Multiphoton Laser Scanning Microscopy and Dynamic Imaging in Embryos. 2001 , 200-215		
48	Culture Systems and Blastocyst Development. 2001 , 118-143		
47	Developments in Animal Reproductive Biotechnology. 2001 , 3-20		

(2013-2001)

Efeito de sistema de cultivo, clula sombica e soro em co-cultura sobre o desenvolvimento de embrillis bovinos fecundados in vitro. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2001, 46 0.3 53, 78-83 Historical Perspective. 2002, 3-18 45 Timing of Embryo Development. 2002, 139-155 44 Ο Differences in Gene Expression Patterns Related to Origin of Preimplantation Embryos. 2002, 341-370 43 Quality and risk management tools. 2004, 118-134 42 Process and systems. 2004, 54-85 41 Specifying systems. 2004, 178-200 40 The well-run lab. **2004**, 210-217 39 References and recommended reading. 2004, 218-224 38 How are we doing? Benchmarking. 2004, 169-177 37 Making it work. 2004, 86-117 36 Nonhuman Primates as Models for Reproductive Aging and Human Infertility. 2006, 469-484 Embryo Culture Systems. 2006, 221-282 34 1 Desenvolvimento de embrills de camundongas apli manuten de em diferentes solulis de 0.3 33 manipulaB. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2011, 63, 100-106 Cumulus-Aided Embryo Transfer. 2012, 575-580 32 Evaluation of embryo quality: Time-lapse imaging to assess embryo morphokinesis. 2012, 254-265 31 Microfluidics in ART: Current progress and future directions. 2012, 396-414 30 Cumulative Morphological Assessment of Embryo Quality. 2013, 277-308 29

28	Limitations and Benefits of Morphologic Embryo Assessment Strategies: How Far Can Morphological Assessment Go in the Identification of Viable Embryos?. 2013 , 55-64		1
27	Troubleshooting in the Clinical Embryology Laboratory: The Art of Problem-Solving in ART. 2013 , 209-	221	
26	Free Radicals and Embryo Development. 2014 , 537-565		
25	Developmental Consequences of Programmed Cell Death in Human Preimplantation Embryos. 1997 , 32-47		
24	Treating the Sperm: Selection, Stimulation, and Cryopreservation Techniques. 1997, 54-82		
23	Transferencia de blastocisto: ¿Mejorando las tasas de implantaciā y embarazo?. <i>Revista Colombiana De Obstetricia Y Ginecologia</i> , 1998 , 49, 103-106	0.1	
22	Cultivo y transferencia de blastocistos ¿La respuesta?. <i>Revista Colombiana De Obstetricia Y Ginecologia</i> , 1999 , 50, 89-93	0.1	
21	Combined Treatment of Activin A and Heparin Binding-EGF (HB-EGF) Enhances In Vitro Production of Bovine Embryos. <i>Journal of Animal Reproduciton and Biotechnology</i> , 2014 , 29, 127-132	1	1
20	Human exhaled air can efficiently support maturation of porcine oocytes and subsequent early embryonic development. <i>Animal Reproduction</i> , 2018 , 15, 29-38	1.7	O
19	Laboratory Aspect of IVM Treatment. 2017 , 337-350		
18	Use of two new formulations as bovine embryo manipulation solution. <i>Animal Reproduction</i> , 2019 , 16, 348-355	1.7	
17	The use of Royal Jelly as a Replacement of Fetal Bovine Serum in In Vitro Production of Goat Embryo with Emphasis on Apoptosis Related Genes. <i>Research on Animal Production</i> , 2019 , 10, 76-84	0	1
16	A simple and economic protocol for efficient in vitro fertilization using cryopreserved mouse sperm. <i>PLoS ONE</i> , 2021 , 16, e0259202	3.7	О
15	A comparison of in vitro culture systems for cat embryos. <i>Theriogenology</i> , 2021 , 179, 149-154	2.8	2
14	Optimization of a single-embryo transfer by using time-lapse microscopy in IVF and ICSI programs. <i>Meditsinskiy Sovet</i> , 2020 , 188-194	0.4	
13	The Effect of Macromolecule Source and Type of Media During in vitro Maturation of Sheep Oocytes on Subsequent Embryo Development. <i>Journal of Reproduction and Infertility</i> , 2012 , 13, 13-9	1.5	10
12	The Effects of ISM1 Medium on Embryo Quality and Outcomes of IVF/ICSI Cycles. <i>International Journal of Fertility & Sterility</i> , 2013 , 7, 108-15	1.9	10
11	Impact of oxygen concentrations on fertilization, cleavage, implantation, and pregnancy rates of in vitro generated human embryos. <i>International Journal of Clinical and Experimental Medicine</i> , 2015 , 8, 6179-85		12

CITATION REPORT

10	The Effect of Vitrification on Expression and Histone Marks of Igf2 and Oct4 in Blastocysts Cultured from Two-Cell Mouse Embryos. <i>Cell Journal</i> , 2018 , 19, 607-613	2.4	8
9	The Spiny Mouse Menstruating Rodent to Build a Bridge From Bench to Bedside. <i>Frontiers in Reproductive Health</i> , 2021 , 3,	1.4	O
8	The effects of temperature variation treatments on embryonic development: a mouse study <i>Scientific Reports</i> , 2022 , 12, 2489	4.9	О
7	Impact of uterine epithelial cells and its conditioned medium on the in vitro embryo production in buffalo (Bubalusbubalis) <i>Theriogenology</i> , 2022 , 183, 61-68	2.8	O
6	In vitro production of desired sex ovine embryos modulating polarity of oocytes for sex-specific sperm binding during fertilization <i>Scientific Reports</i> , 2022 , 12, 5845	4.9	
5	Synergistic impact of <code>Hinolenic</code> acid and <code>Hocopherol</code> on in vitro maturation and culture of buffalo oocytes <i>Brazilian Journal of Biology</i> , 2021 , 84, e253514	1.5	
4	Illustrating the past, present and future perspective of Human Embryo Culture Media. 2022 , 2, 90-107		
3	The Impact of Culture Medium on Morphokinetics of Cleavage Stage Embryos: An Observational Study <i>Reproductive Sciences</i> , 2022 ,	3	O
2	Exogenous Melatonin in the Culture Medium Does Not Affect the Development of In Vivo-Derived Pig Embryos but Substantially Improves the Quality of In Vitro-Produced Embryos. <i>Antioxidants</i> , 2022 , 11, 1177	7.1	2
1	Metabolism-epigenetic interactions on in vitro produced embryos. 2022 ,		O