

David Gardner

List of Publications by Year in descending order

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264
papers

23,837
citations

4370

86
h-index

8370

147
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268
all docs

268
docs citations

268
times ranked

9325
citing authors

#	ARTICLE	IF	CITATIONS
1	Blastocyst score affects implantation and pregnancy outcome: towards a single blastocyst transfer. <i>Fertility and Sterility</i> , 2000, 73, 1155-1158.	0.5	1,490
2	The Istanbul consensus workshop on embryo assessment: proceedings of an expert meeting. <i>Human Reproduction</i> , 2011, 26, 1270-1283.	0.4	1,339
3	A prospective randomized trial of blastocyst culture and transfer in in- vitro fertilization. <i>Human Reproduction</i> , 1998, 13, 3434-3440.	0.4	663
4	Culture and transfer of human blastocysts increases implantation rates and reduces the need for multiple embryo transfers. <i>Fertility and Sterility</i> , 1998, 69, 84-88.	0.5	557
5	Culture and transfer of human blastocysts. <i>Current Opinion in Obstetrics and Gynecology</i> , 1999, 11, 307-311.	0.9	555
6	Enhanced Rates of Cleavage and Development for Sheep Zygotes Cultured to the Blastocyst Stage in Vitro in the Absence of Serum and Somatic Cells: Amino Acids, Vitamins, and Culturing Embryos in Groups Stimulate Development ¹ . <i>Biology of Reproduction</i> , 1994, 50, 390-400.	1.2	512
7	Culture and selection of viable blastocysts: a feasible proposition for human IVF?. <i>Human Reproduction Update</i> , 1997, 3, 367-382.	5.2	482
8	Single blastocyst transfer: a prospective randomized trial. <i>Fertility and Sterility</i> , 2004, 81, 551-555.	0.5	414
9	Lamb Birth Weight is Affected by Culture System Utilized during in Vitro Pre-Elongation Development of Ovine Embryos. <i>Biology of Reproduction</i> , 1995, 53, 1385-1391.	1.2	388
10	Amino Acids and Ammonium Regulate Mouse Embryo Development in Culture ¹ . <i>Biology of Reproduction</i> , 1993, 48, 377-385.	1.2	376
11	Extent of nuclear DNA damage in ejaculated spermatozoa impacts on blastocyst development after in vitro fertilization. <i>Fertility and Sterility</i> , 2004, 82, 378-383.	0.5	367
12	Environment of the preimplantation human embryo in vivo: metabolite analysis of oviduct and uterine fluids and metabolism of cumulus cells. <i>Fertility and Sterility</i> , 1996, 65, 349-353.	0.5	346
13	Differential regulation of mouse embryo development and viability by amino acids. <i>Reproduction</i> , 1997, 109, 153-164.	1.1	332
14	Concentrations of nutrients in mouse oviduct fluid and their effects on embryo development and metabolism in vitro. <i>Reproduction</i> , 1990, 88, 361-368.	1.1	319
15	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.	0.9	309
16	Vitrification of mouse and human blastocysts using a novel cryoloop container-less technique. <i>Fertility and Sterility</i> , 1999, 72, 1073-1078.	0.5	309
17	Blastocyst development and birth after in-vitro maturation of human primary oocytes, intracytoplasmic sperm injection and assisted hatching. <i>Human Reproduction</i> , 1995, 10, 3243-3247.	0.4	297
18	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.	5.2	296

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19	Noninvasive assessment of human embryo nutrient consumption as a measure of developmental potential. <i>Fertility and Sterility</i> , 2001, 76, 1175-1180.	0.5	278
20	Blastocyst culture and transfer: analysis of results and parameters affecting outcome in two in vitro fertilization programs. <i>Fertility and Sterility</i> , 1999, 72, 604-609.	0.5	268
21	Male Oxidative Stress Infertility (MOSI): Proposed Terminology and Clinical Practice Guidelines for Management of Idiopathic Male Infertility. <i>World Journal of Men's Health</i> , 2019, 37, 296.	1.7	256
22	Embryo transfer: techniques and variables affecting success. <i>Fertility and Sterility</i> , 2001, 76, 863-870.	0.5	255
23	Effect of incubation volume and embryo density on the development and viability of mouse embryos in vitro. <i>Human Reproduction</i> , 1992, 7, 558-562.	0.4	253
24	Fertilization and early embryology: Selection of viable mouse blastocysts prior to transfer using a metabolic criterion. <i>Human Reproduction</i> , 1996, 11, 1975-1978.	0.4	236
25	Fertilization and early embryology: Alleviation of the '2-cell block' and development to the blastocyst of CF1 mouse embryos: role of amino acids, EDTA and physical parameters. <i>Human Reproduction</i> , 1996, 11, 2703-2712.	0.4	229
26	A randomized controlled study of human Day 3 embryo cryopreservation by slow freezing or vitrification: vitrification is associated with higher survival, metabolism and blastocyst formation. <i>Human Reproduction</i> , 2008, 23, 1976-1982.	0.4	226
27	Evolution of a culture protocol for successful blastocyst development and pregnancy. <i>Human Reproduction</i> , 1998, 13, 169-177.	0.4	214
28	Forty years of IVF. <i>Fertility and Sterility</i> , 2018, 110, 185-324.e5.	0.5	211
29	Ammonium Induces Aberrant Blastocyst Differentiation, Metabolism, pH Regulation, Gene Expression and Subsequently Alters Fetal Development in the Mouse. <i>Biology of Reproduction</i> , 2003, 69, 1109-1117.	1.2	210
30	Increase in postimplantation development of cultured mouse embryos by amino acids and induction of fetal retardation and exencephaly by ammonium ions. <i>Reproduction</i> , 1994, 102, 305-312.	1.1	204
31	Culture of viable human blastocysts in defined sequential serum-free media. <i>Human Reproduction</i> , 1998, 13, 148-159.	0.4	192
32	Deep learning as a predictive tool for fetal heart pregnancy following time-lapse incubation and blastocyst transfer. <i>Human Reproduction</i> , 2019, 34, 1011-1018.	0.4	192
33	Development of a generally applicable morphokinetic algorithm capable of predicting the implantation potential of embryos transferred on Day 3. <i>Human Reproduction</i> , 2016, 31, 2231-2244.	0.4	184
34	Assessment of embryo viability prior to transfer by the noninvasive measurement of glucose uptake. <i>The Journal of Experimental Zoology</i> , 1987, 242, 103-105.	1.4	181
35	Amino acids and vitamins prevent culture-induced metabolic perturbations and associated loss of viability of mouse blastocysts. <i>Human Reproduction</i> , 1998, 13, 991-997.	0.4	178
36	Introduction of blastocyst culture and transfer for all patients in an in vitro fertilization program. <i>Fertility and Sterility</i> , 1999, 72, 1035-1040.	0.5	176

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37	Calcium-free vitrification reduces cryoprotectant-induced zona pellucida hardening and increases fertilization rates in mouse oocytes. <i>Reproduction</i> , 2006, 131, 53-61.	1.1	173
38	Analysis of protein expression (secretome) by human and mouse preimplantation embryos. <i>Fertility and Sterility</i> , 2006, 86, 678-685.	0.5	168
39	Glucose consumption of single post-compactation human embryos is predictive of embryo sex and live birth outcome. <i>Human Reproduction</i> , 2011, 26, 1981-1986.	0.4	166
40	Mammalian embryo culture in the absence of serum or somatic cell support. <i>Cell Biology International</i> , 1994, 18, 1163-1180.	1.4	164
41	Embryo culture medium: which is the best?. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2007, 21, 83-100.	1.4	162
42	Heterogeneity and oxidation status of commercial human albumin preparations in clinical use*. <i>Critical Care Medicine</i> , 2005, 33, 1638-1641.	0.4	159
43	Diagnosis of human preimplantation embryo viability. <i>Human Reproduction Update</i> , 2015, 21, 727-747.	5.2	158
44	Analysis of oocyte physiology to improve cryopreservation procedures. <i>Theriogenology</i> , 2007, 67, 64-72.	0.9	156
45	Lactate Regulates Pyruvate Uptake and Metabolism in the Preimplantation Mouse Embryo. <i>Biology of Reproduction</i> , 2000, 62, 16-22.	1.2	152
46	Analysis of Fertility-Related Soluble Mediators in Human Uterine Fluid Identifies VEGF as a Key Regulator of Embryo Implantation. <i>Endocrinology</i> , 2011, 152, 4948-4956.	1.4	152
47	Infertility therapy-associated multiple pregnancies (births): an ongoing epidemic. <i>Reproductive BioMedicine Online</i> , 2003, 7, 515-542.	1.1	149
48	Assessment of human embryo development using morphological criteria in an era of time-lapse, algorithms and "OMICS": is looking good still important?. <i>Molecular Human Reproduction</i> , 2016, 22, 704-718.	1.3	147
49	Oxidative Metabolism of Pyruvate Is Required for Meiotic Maturation of Murine Oocytes In Vivo. <i>Biology of Reproduction</i> , 2007, 77, 2-8.	1.2	146
50	Intracellular pH of the mouse preimplantation embryo: amino acids act as buffers of intracellular pH. <i>Human Reproduction</i> , 1998, 13, 3441-3448.	0.4	142
51	Towards a single embryo transfer. <i>Reproductive BioMedicine Online</i> , 2003, 6, 470-481.	1.1	138
52	Proteomic analysis of individual human embryos to identify novel biomarkers of development and viability. <i>Fertility and Sterility</i> , 2006, 85, 101-107.	0.5	138
53	The role of proteomics in defining the human embryonic secretome. <i>Molecular Human Reproduction</i> , 2009, 15, 271-277.	1.3	138
54	Vitrification of mouse oocytes using a nylon loop. <i>Molecular Reproduction and Development</i> , 2001, 58, 342-347.	1.0	137

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55	Fetal development after transfer is increased by replacing protein with the glycosaminoglycan hyaluronan for mouse embryo culture and transfer. <i>Human Reproduction</i> , 1999, 14, 2575-2580.	0.4	135
56	Understanding cellular disruptions during early embryo development that perturb viability and fetal development. <i>Reproduction, Fertility and Development</i> , 2005, 17, 371.	0.1	133
57	Oxygen concentration and protein source affect the development of preimplantation goat embryos in vitro. <i>Reproduction, Fertility and Development</i> , 1991, 3, 601.	0.1	132
58	Ex vivo early embryo development and effects on gene expression and imprinting. <i>Reproduction, Fertility and Development</i> , 2005, 17, 361.	0.1	131
59	Embryo Nutrition and Energy Metabolism and Its Relationship to Embryo Growth, Differentiation, and Viability. <i>Seminars in Reproductive Medicine</i> , 2000, 18, 205-218.	0.5	129
60	Temporal and Differential Effects of Amino Acids on Bovine Embryo Development in Culture ¹ . <i>Biology of Reproduction</i> , 1999, 61, 731-740.	1.2	123
61	Time-lapse analysis of mouse embryo development in oxygen gradients. <i>Reproductive BioMedicine Online</i> , 2010, 21, 402-410.	1.1	123
62	Paternal Diet-Induced Obesity Retards Early Mouse Embryo Development, Mitochondrial Activity and Pregnancy Health. <i>PLoS ONE</i> , 2012, 7, e52304.	1.1	120
63	Blastocyst metabolism. <i>Reproduction, Fertility and Development</i> , 2015, 27, 638.	0.1	116
64	Analysis of metabolism to select viable human embryos for transfer. <i>Fertility and Sterility</i> , 2013, 99, 1062-1072.	0.5	115
65	Extended embryo culture in human assisted reproduction treatments. <i>Human Reproduction</i> , 2001, 16, 902-908.	0.4	113
66	Quality Control in Human In Vitro Fertilization. <i>Seminars in Reproductive Medicine</i> , 2005, 23, 319-324.	0.5	112
67	A proteomic analysis of mammalian preimplantation embryonic development. <i>Reproduction</i> , 2005, 130, 899-905.	1.1	112
68	Maintenance of the meiotic spindle during vitrification in human and mouse oocytes. <i>Reproductive BioMedicine Online</i> , 2007, 15, 692-700.	1.1	110
69	1,2-propanediol and the type of cryopreservation procedure adversely affect mouse oocyte physiology. <i>Human Reproduction</i> , 2007, 22, 250-259.	0.4	110
70	Concentrations of energy substrates in oviductal fluid and blood plasma of pigs during the peri-ovulatory period. <i>Reproduction</i> , 1992, 96, 699-707.	1.1	108
71	Oxygen Regulates Amino Acid Turnover and Carbohydrate Uptake During the Preimplantation Period of Mouse Embryo Development ¹ . <i>Biology of Reproduction</i> , 2012, 87, 24, 1-8.	1.2	107
72	Noninvasive methods to assess embryo quality. <i>Current Opinion in Obstetrics and Gynecology</i> , 2005, 17, 283-288.	0.9	105

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73	Lactate production by the mammalian blastocyst: Manipulating the microenvironment for uterine implantation and invasion?. <i>BioEssays</i> , 2015, 37, 364-371.	1.2	105
74	Mouse embryo cleavage, metabolism and viability: role of medium composition. <i>Human Reproduction</i> , 1993, 8, 288-295.	0.4	103
75	Intracellular pH of the preimplantation mouse embryo: Effects of extracellular pH and weak acids. <i>Molecular Reproduction and Development</i> , 1998, 50, 434-442.	1.0	103
76	Current status of IVM/IVF and embryo culture in humans and farm animals. <i>Theriogenology</i> , 1994, 41, 57-66.	0.9	102
77	Cryo-survival and development of bovine blastocysts are enhanced by culture with recombinant albumin and hyaluronan. <i>Molecular Reproduction and Development</i> , 2003, 64, 70-78.	1.0	102
78	Mitochondrial Malate-Aspartate Shuttle Regulates Mouse Embryo Nutrient Consumption. <i>Journal of Biological Chemistry</i> , 2005, 280, 18361-18367.	1.6	101
79	Nonessential amino acids and glutamine decrease the time of the first three cleavage divisions and increase compaction of mouse zygotes in vitro. <i>Journal of Assisted Reproduction and Genetics</i> , 1997, 14, 398-403.	1.2	100
80	Physiology and culture of the human blastocyst. <i>Journal of Reproductive Immunology</i> , 2002, 55, 85-100.	0.8	99
81	Dissection of culture media for embryos: the most important and less important components and characteristics. <i>Reproduction, Fertility and Development</i> , 2008, 20, 9.	0.1	98
82	Non-invasive measurement of nutrient uptake by single cultured pre-implantation mouse embryos. <i>Human Reproduction</i> , 1986, 1, 25-27.	0.4	97
83	Noninvasive Metabolic Profiling Using Microfluidics for Analysis of Single Preimplantation Embryos. <i>Analytical Chemistry</i> , 2008, 80, 6500-6507.	3.2	95
84	Soluble Ligands and Their Receptors in Human Embryo Development and Implantation. <i>Endocrine Reviews</i> , 2015, 36, 92-130.	8.9	94
85	Addition of ascorbate during cryopreservation stimulates subsequent embryo development. <i>Human Reproduction</i> , 2002, 17, 2686-2693.	0.4	92
86	Assessment of Embryo Viability: The Ability to Select a Single Embryo for Transfer—a Review. <i>Placenta</i> , 2003, 24, S5-S12.	0.7	89
87	Management of poor responders: can outcomes be improved with a novel gonadotropin-releasing hormone antagonist/letrozole protocol?. <i>Fertility and Sterility</i> , 2008, 89, 151-156.	0.5	89
88	Sex-related physiology of the preimplantation embryo. <i>Molecular Human Reproduction</i> , 2010, 16, 539-547.	1.3	88
89	Antioxidants improve mouse preimplantation embryo development and viability. <i>Human Reproduction</i> , 2016, 31, 1445-1454.	0.4	88
90	Changing the start temperature and cooling rate in a slow-freezing protocol increases human blastocyst viability. <i>Fertility and Sterility</i> , 2003, 79, 407-410.	0.5	87

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91	Uptake and metabolism of pyruvate and glucose by individual sheep preattachment embryos developed in vivo. <i>Molecular Reproduction and Development</i> , 1993, 36, 313-319.	1.0	86
92	Impact of the IVF laboratory environment on human preimplantation embryo phenotype. <i>Journal of Developmental Origins of Health and Disease</i> , 2017, 8, 418-435.	0.7	85
93	Metabolism of glucose, pyruvate, and glutamine during the maturation of oocytes derived from pre-pubertal and adult cows. <i>Molecular Reproduction and Development</i> , 1999, 54, 92-101.	1.0	83
94	Antioxidants improve IVF outcome and subsequent embryo development in the mouse. <i>Human Reproduction</i> , 2017, 32, 2404-2413.	0.4	83
95	Development of serum-free media for the culture and transfer of human blastocysts. <i>Human Reproduction</i> , 1998, 13, 218-225.	0.4	78
96	Blastocyst culture and transfer increases the efficiency of oocyte donation. <i>Fertility and Sterility</i> , 2000, 74, 482-486.	0.5	77
97	Effect of essential amino acids on mouse embryo viability and ammonium production. <i>Journal of Assisted Reproduction and Genetics</i> , 2001, 18, 519-525.	1.2	77
98	Transcriptome analysis of in vivo and in vitro matured bovine MII oocytes. <i>Theriogenology</i> , 2009, 71, 939-946.	0.9	76
99	A single medium supports development of bovine embryos throughout maturation, fertilization and culture. <i>Human Reproduction</i> , 2000, 15, 395-401.	0.4	68
100	Use of G1.2/G2.2 media for commercial bovine embryo culture: equivalent development and pregnancy rates compared to co-culture. <i>Theriogenology</i> , 2003, 60, 407-419.	0.9	68
101	Disruption of Mitochondrial Malate-Aspartate Shuttle Activity in Mouse Blastocysts Impairs Viability and Fetal Growth1. <i>Biology of Reproduction</i> , 2009, 80, 295-301.	1.2	67
102	Parental diet-induced obesity leads to retarded early mouse embryo development and altered carbohydrate utilisation by the blastocyst. <i>Reproduction, Fertility and Development</i> , 2012, 24, 804.	0.1	67
103	Nutrient uptake and utilization can be used to select viable day 7 bovine blastocysts after cryopreservation. <i>Molecular Reproduction and Development</i> , 1996, 44, 472-475.	1.0	66
104	Vitrification of human blastocysts using the cryoloop method: successful clinical application and birth of offspring. <i>Journal of Assisted Reproduction and Genetics</i> , 2002, 19, 304-306.	1.2	66
105	Male obesity is associated with changed spermatozoa Cox4i1 mRNA level and altered seminal vesicle fluid composition in a mouse model. <i>Molecular Human Reproduction</i> , 2015, 21, 424-434.	1.3	66
106	Modifications made to culture medium by bovine oviduct epithelial cells: Changes to carbohydrates stimulate bovine embryo development. <i>Molecular Reproduction and Development</i> , 1997, 46, 146-154.	1.0	65
107	Pluripotent Stem Cell Metabolism and Mitochondria: Beyond ATP. <i>Stem Cells International</i> , 2017, 2017, 1-17.	1.2	64
108	Paternal obesity in a rodent model affects placental gene expression in a sex-specific manner. <i>Reproduction</i> , 2015, 149, 435-444.	1.1	63

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109	Developmental kinetics of cleavage stage mouse embryos are related to their subsequent carbohydrate and amino acid utilization at the blastocyst stage. <i>Human Reproduction</i> , 2015, 30, 543-552.	0.4	61
110	Endometrial signals improve embryo outcome: functional role of vascular endothelial growth factor isoforms on embryo development and implantation in mice. <i>Human Reproduction</i> , 2014, 29, 2278-2286.	0.4	60
111	The impact of physiological oxygen during culture, and vitrification for cryopreservation, on the outcome of extended culture in human IVF. <i>Reproductive BioMedicine Online</i> , 2016, 32, 137-141.	1.1	58
112	EDTA stimulates cleavage stage bovine embryo development in culture but inhibits blastocyst development and differentiation. <i>Molecular Reproduction and Development</i> , 2000, 57, 256-261.	1.0	54
113	Reduced oxygen concentration improves the developmental competence of mouse oocytes following in vitro maturation. <i>Molecular Reproduction and Development</i> , 2007, 74, 893-903.	1.0	54
114	Oxygen Affects the Ability of Mouse Blastocysts to Regulate Ammonium ¹ . <i>Biology of Reproduction</i> , 2013, 89, 75.	1.2	53
115	Regulation of Ionic Homeostasis by Mammalian Embryos. <i>Seminars in Reproductive Medicine</i> , 2000, 18, 195-204.	0.5	50
116	Metaboloepigenetic Regulation of Pluripotent Stem Cells. <i>Stem Cells International</i> , 2016, 2016, 1-15.	1.2	50
117	Substrate utilization in porcine embryos cultured in NCSU23 and G1.2/G2.2 sequential culture media. <i>Molecular Reproduction and Development</i> , 2001, 58, 269-275.	1.0	49
118	Development of a noninvasive ultramicrofluorometric method for measuring net uptake of glutamine by single preimplantation mouse embryos. <i>Gamete Research</i> , 1989, 24, 427-438.	1.7	48
119	Human and mouse embryonic development, metabolism and gene expression are altered by an ammonium gradient in vitro. <i>Reproduction</i> , 2013, 146, 49-61.	1.1	44
120	Metabolic markers of developmental competence for in vitro-matured mouse oocytes. <i>Reproduction</i> , 2005, 130, 475-483.	1.1	43
121	Removal of embryo-toxic ammonium from the culture medium by in situ enzymatic conversion to glutamate. <i>The Journal of Experimental Zoology</i> , 1995, 271, 356-363.	1.4	42
122	Blastocyst culture: Toward single embryo transfers. <i>Human Fertility</i> , 2000, 3, 229-237.	0.7	42
123	Analysis of global gene expression following mouse blastocyst cryopreservation. <i>Human Reproduction</i> , 2011, 26, 2672-2680.	0.4	42
124	Improved felid embryo development by group culture is maintained with heterospecific companions. <i>Theriogenology</i> , 2006, 66, 82-92.	0.9	41
125	The CryoLoop facilitates re-vitrification of embryos at four successive stages of development without impairing embryo growth. <i>Human Reproduction</i> , 2006, 21, 2978-2984.	0.4	40
126	Redox and anti-oxidant state within cattle oocytes following in vitro maturation with bone morphogenetic protein 15 and follicle stimulating hormone. <i>Molecular Reproduction and Development</i> , 2015, 82, 281-294.	1.0	40

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127	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. <i>Reproduction, Fertility and Development</i> , 2006, 18, 597.	0.1	38
128	Metabolic Differences in Bovine Cumulus-Oocyte Complexes Matured In Vitro in the Presence or Absence of Follicle-Stimulating Hormone and Bone Morphogenetic Protein 151. <i>Biology of Reproduction</i> , 2012, 87, 87.	1.2	38
129	Co-culture of 1-cell outbred mouse embryos on bovine kidney epithelial cells: effect on development, glycolytic activity, inner cell mass: trophoctoderm ratios and viability. <i>Human Reproduction</i> , 1996, 11, 598-600.	0.4	37
130	De novo transcriptome assembly for the spiny mouse (<i>Acomys cahirinus</i>). <i>Scientific Reports</i> , 2017, 7, 8996.	1.6	37
131	Inhibiting 3-phosphoglycerate kinase by EDTA stimulates the development of the cleavage stage mouse embryo. <i>Molecular Reproduction and Development</i> , 2001, 60, 233-240.	1.0	36
132	Vitrification of mouse pronuclear oocytes with no direct liquid nitrogen contact. <i>Reproductive BioMedicine Online</i> , 2006, 12, 66-69.	1.1	36
133	In vitro culture of individual mouse preimplantation embryos: the role of embryo density, microwells, oxygen, timing and conditioned media. <i>Reproductive BioMedicine Online</i> , 2017, 34, 441-454.	1.1	36
134	Combined parental obesity negatively impacts preimplantation mouse embryo development, kinetics, morphology and metabolism. <i>Human Reproduction</i> , 2015, 30, 2084-2096.	0.4	35
135	Mammalian Preimplantation Embryo Culture. <i>Methods in Molecular Biology</i> , 2014, 1092, 167-182.	0.4	35
136	Blastocyst Versus Day 2 or 3 Transfer. <i>Seminars in Reproductive Medicine</i> , 2001, 19, 259-268.	0.5	34
137	Will noninvasive methods surpass invasive for assessing gametes and embryos?. <i>Fertility and Sterility</i> , 2017, 108, 730-737.	0.5	34
138	Nicotinamide, a component of complex culture media, inhibits mouse embryo development in vitro and reduces subsequent developmental potential after transfer**Supported in part by Monash IVF Ltd., Melbourne, Victoria, Australia.. <i>Fertility and Sterility</i> , 1994, 61, 376-382.	0.5	33
139	Choosing Between Day 3 and Day 5 Embryo Transfers. <i>Clinical Obstetrics and Gynecology</i> , 2006, 49, 85-92.	0.6	33
140	Effects of Oxygen Tension on the Establishment and Lactate Dehydrogenase Activity of Murine Embryonic Stem Cells. <i>Cloning and Stem Cells</i> , 2006, 8, 117-122.	2.6	33
141	Impact of oxygen concentration on adult murine pre-antral follicle development in vitro and the corresponding metabolic profile. <i>Molecular Human Reproduction</i> , 2014, 20, 31-41.	1.3	32
142	Embryology in the era of proteomics. <i>Theriogenology</i> , 2007, 68, S125-S130.	0.9	31
143	Vitrification of mouse embryos with super-cooled air. <i>Fertility and Sterility</i> , 2011, 95, 1462-1466.	0.5	31
144	Mitochondrial and glycolytic remodeling during nascent neural differentiation of human pluripotent stem cells. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	31

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145	Exposure of mouse oocytes to 1,2-propanediol during slow freezing alters the proteome. <i>Fertility and Sterility</i> , 2008, 89, 1441-1447.	0.5	30
146	Recombinant human albumin supports hamster in-vitro fertilization. <i>Human Reproduction</i> , 2003, 18, 113-116.	0.4	29
147	Can proteomics help to shape the future of human assisted conception?. <i>Reproductive BioMedicine Online</i> , 2008, 17, 497-501.	1.1	29
148	Antioxidants increase blastocyst cryosurvival and viability post-vitrification. <i>Human Reproduction</i> , 2020, 35, 12-23.	0.4	29
149	In vitro development and nutrient uptake by embryos derived from oocytes of pre-pubertal and adult cows. <i>Molecular Reproduction and Development</i> , 1999, 54, 49-56.	1.0	27
150	Metabolism, protein content, and in vitro embryonic development of goat cumulus-oocyte complexes matured with physiological concentrations of glucose and L-lactate. <i>Molecular Reproduction and Development</i> , 2006, 73, 256-266.	1.0	27
151	Placental Growth Factor Is Secreted by the Human Endometrium and Has Potential Important Functions during Embryo Development and Implantation. <i>PLoS ONE</i> , 2016, 11, e0163096.	1.1	27
152	No longer neglected: the human blastocyst. <i>Human Reproduction</i> , 1998, 13, 3289-3292.	0.4	26
153	Blastocyst Transfer. <i>Clinical Obstetrics and Gynecology</i> , 2003, 46, 231-238.	0.6	26
154	Human embryo viability: what determines developmental potential, and can it be assessed?. <i>Journal of Assisted Reproduction and Genetics</i> , 1998, 15, 455-458.	1.2	25
155	Combined effects of individual culture and atmospheric oxygen on preimplantation mouse embryos in vitro. <i>Reproductive BioMedicine Online</i> , 2016, 33, 537-549.	1.1	25
156	Individual culture and atmospheric oxygen during culture affect mouse preimplantation embryo metabolism and post-implantation development. <i>Reproductive BioMedicine Online</i> , 2019, 39, 3-18.	1.1	25
157	Metabolism Is a Key Regulator of Induced Pluripotent Stem Cell Reprogramming. <i>Stem Cells International</i> , 2019, 2019, 1-10.	1.2	24
158	Distinct profiles of human embryonic stem cell metabolism and mitochondria identified by oxygen. <i>Reproduction</i> , 2015, 150, 367-382.	1.1	23
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