

Bernard A J Roelen

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

12,070
citations

43973

48
h-index

29081

104
g-index

166
all docs

166
docs citations

166
times ranked

15597
citing authors

#	ARTICLE	IF	CITATIONS
1	Derivation of pluripotent epiblast stem cells from mammalian embryos. <i>Nature</i> , 2007, 448, 191-195.	13.7	1,842
2	Kidney organoids from human iPS cells contain multiple lineages and model human nephrogenesis. <i>Nature</i> , 2015, 526, 564-568.	13.7	1,210
3	Sclerostin Is an Osteocyte-expressed Negative Regulator of Bone Formation, But Not a Classical BMP Antagonist. <i>Journal of Experimental Medicine</i> , 2004, 199, 805-814.	4.2	785
4	Long-Term Expansion of Functional Mouse and Human Hepatocytes as 3D Organoids. <i>Cell</i> , 2018, 175, 1591-1606.e19.	13.5	505
5	Increased Cardiomyocyte Differentiation from Human Embryonic Stem Cells in Serum-Free Cultures. <i>Stem Cells</i> , 2005, 23, 772-780.	1.4	324
6	Natural Selection of Human Embryos: Impaired Decidualization of Endometrium Disables Embryo-Maternal Interactions and Causes Recurrent Pregnancy Loss. <i>PLoS ONE</i> , 2010, 5, e10287.	1.1	323
7	Atrial-like cardiomyocytes from human pluripotent stem cells are a robust preclinical model for assessing atrial-selective pharmacology. <i>EMBO Molecular Medicine</i> , 2015, 7, 394-410.	3.3	310
8	Rnf2 (Ring1b) deficiency causes gastrulation arrest and cell cycle inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2468-2473.	3.3	308
9	ESHRE guideline: female fertility preservation. <i>Human Reproduction Open</i> , 2020, 2020, hoaa052.	2.3	282
10	Natural Selection of Human Embryos: Decidualizing Endometrial Stromal Cells Serve as Sensors of Embryo Quality upon Implantation. <i>PLoS ONE</i> , 2010, 5, e10258.	1.1	261
11	The roles of FGF and MAP kinase signaling in the segregation of the epiblast and hypoblast cell lineages in bovine and human embryos. <i>Development (Cambridge)</i> , 2012, 139, 871-882.	1.2	230
12	Oleic Acid Prevents Detrimental Effects of Saturated Fatty Acids on Bovine Oocyte Developmental Competence. <i>Biology of Reproduction</i> , 2011, 85, 62-69.	1.2	224
13	Differences in early lineage segregation between mammals. <i>Developmental Dynamics</i> , 2008, 237, 918-927.	0.8	187
14	BMP signaling mediated by ALK2 in the visceral endoderm is necessary for the generation of primordial germ cells in the mouse embryo. <i>Genes and Development</i> , 2004, 18, 1838-1849.	2.7	180
15	Controlling mesenchymal stem cell differentiation by TGF β 2 family members. <i>Journal of Orthopaedic Science</i> , 2003, 8, 740-748.	0.5	155
16	Rethinking organoid technology through bioengineering. <i>Nature Materials</i> , 2021, 20, 145-155.	13.3	150
17	Transcriptome of human foetal heart compared with cardiomyocytes from pluripotent stem cells. <i>Development (Cambridge)</i> , 2015, 142, 3231-8.	1.2	139
18	Validation of reference genes for quantitative RT-PCR studies in porcine oocytes and preimplantation embryos. <i>BMC Developmental Biology</i> , 2007, 7, 58.	2.1	135

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19	DPC4 (SMAD4) mediates transforming growth factor- β 1 (TGF- β 1) induced growth inhibition and transcriptional response in breast tumour cells. <i>Oncogene</i> , 1997, 14, 1891-1899.	2.6	132
20	Memory CD4+ T cells are generated in the human fetal intestine. <i>Nature Immunology</i> , 2019, 20, 301-312.	7.0	132
21	Expression of TGF- β s and Their Receptors during Implantation and Organogenesis of the Mouse Embryo. <i>Developmental Biology</i> , 1994, 166, 716-728.	0.9	124
22	Single-cell transcriptomics reveals gene expression dynamics of human fetal kidney development. <i>PLoS Biology</i> , 2019, 17, e3000152.	2.6	121
23	Skewed X-inactivation is common in the general female population. <i>European Journal of Human Genetics</i> , 2019, 27, 455-465.	1.4	119
24	KeyGenes, a Tool to Probe Tissue Differentiation Using a Human Fetal Transcriptional Atlas. <i>Stem Cell Reports</i> , 2015, 4, 1112-1124.	2.3	118
25	Transgenerational toxicity of Zearalenone in pigs. <i>Reproductive Toxicology</i> , 2012, 34, 110-119.	1.3	114
26	Exposure of Oocytes to the Fusarium Toxins Zearalenone and Deoxynivalenol Causes Aneuploidy and Abnormal Embryo Development in Pigs ¹ . <i>Biology of Reproduction</i> , 2007, 77, 840-847.	1.2	109
27	Tracking the progression of the human inner cell mass during embryonic stem cell derivation. <i>Nature Biotechnology</i> , 2012, 30, 278-282.	9.4	109
28	Expansion of Adult Human Pancreatic Tissue Yields Organoids Harboring Progenitor Cells with Endocrine Differentiation Potential. <i>Stem Cell Reports</i> , 2018, 10, 712-724.	2.3	106
29	Bovine Cumulus Cells Protect Maturing Oocytes from Increased Fatty Acid Levels by Massive Intracellular Lipid Storage. <i>Biology of Reproduction</i> , 2013, 88, 164-164.	1.2	102
30	Extracellular matrix components direct porcine muscle stem cell behavior. <i>Experimental Cell Research</i> , 2010, 316, 341-352.	1.2	81
31	Development of the stria vascularis and potassium regulation in the human fetal cochlea: Insights into hereditary sensorineural hearing loss. <i>Developmental Neurobiology</i> , 2015, 75, 1219-1240.	1.5	80
32	The Cumulus Cell Layer Protects the Bovine Maturing Oocyte Against Fatty Acid-Induced Lipotoxicity ¹ . <i>Biology of Reproduction</i> , 2015, 92, 16.	1.2	75
33	Presence of cumulus cells during in vitro fertilization protects the bovine oocyte against oxidative stress and improves first cleavage but does not affect further development. <i>Zygote</i> , 2005, 13, 177-185.	0.5	74
34	Usefulness of bovine and porcine IVM/IVF models for reproductive toxicology. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 117.	1.4	74
35	BMP signalling differentially regulates distinct haematopoietic stem cell types. <i>Nature Communications</i> , 2015, 6, 8040.	5.8	74
36	Mass cytometry reveals innate lymphoid cell differentiation pathways in the human fetal intestine. <i>Journal of Experimental Medicine</i> , 2018, 215, 1383-1396.	4.2	74

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37	DNA Methylation Landscapes of Human Fetal Development. <i>PLoS Genetics</i> , 2015, 11, e1005583.	1.5	73
38	Neurosensory development and cell fate determination in the human cochlea. <i>Neural Development</i> , 2013, 8, 20.	1.1	70
39	3D Modeling of Esophageal Development using Human PSC-Derived Basal Progenitors Reveals a Critical Role for Notch Signaling. <i>Cell Stem Cell</i> , 2018, 23, 516-529.e5.	5.2	70
40	Analysis of co-expression of OCT4, NANOG and SOX2 in pluripotent cells of the porcine embryo, in vivo and in vitro. <i>Theriogenology</i> , 2011, 75, 513-526.	0.9	69
41	The effects of growth factors on in vitro-cultured porcine testicular cells. <i>Reproduction</i> , 2009, 138, 721-731.	1.1	68
42	Development of the follicular basement membrane during human gametogenesis and early folliculogenesis. <i>BMC Developmental Biology</i> , 2015, 15, 4.	2.1	68
43	Isolation and characterization of porcine adult muscle-derived progenitor cells. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 1228-1239.	1.2	67
44	A Simple and Robust Method for Establishing Homogeneous Mouse Epiblast Stem Cell Lines by Wnt Inhibition. <i>Stem Cell Reports</i> , 2015, 4, 744-757.	2.3	65
45	Stearoyl-CoA desaturase activity in bovine cumulus cells protects the oocyte against saturated fatty acid stress. <i>Biology of Reproduction</i> , 2017, 96, 982-992.	1.2	65
46	Estradiol and Its Membrane-Impermeable Conjugate (Estradiol-Bovine Serum Albumin) During In Vitro Maturation of Bovine Oocytes: Effects on Nuclear and Cytoplasmic Maturation, Cytoskeleton, and Embryo Quality. <i>Biology of Reproduction</i> , 2004, 70, 1465-1474.	1.2	60
47	Gene Regulatory Network Analysis and Engineering Directs Development and Vascularization of Multilineage Human Liver Organoids. <i>Cell Systems</i> , 2021, 12, 41-55.e11.	2.9	59
48	DNA methylation and transcriptional trajectories during human development and reprogramming of isogenic pluripotent stem cells. <i>Nature Communications</i> , 2017, 8, 908.	5.8	53
49	Expression patterns of laminin receptor splice variants β 1 and β 2 suggest different roles in mouse development. <i>Developmental Dynamics</i> , 1995, 204, 240-258.	0.8	52
50	Enhancement of Bovine oocyte maturation by leptin is accompanied by an upregulation in mRNA expression of leptin receptor isoforms in cumulus cells. <i>Molecular Reproduction and Development</i> , 2008, 75, 578-587.	1.0	48
51	The different shades of mammalian pluripotent stem cells. <i>Human Reproduction Update</i> , 2011, 17, 254-271.	5.2	47
52	Parental haplotype-specific single-cell transcriptomics reveal incomplete epigenetic reprogramming in human female germ cells. <i>Nature Communications</i> , 2018, 9, 1873.	5.8	46
53	Exposure of bovine sperm to pro-oxidants impairs the developmental competence of the embryo after the first cleavage. <i>Theriogenology</i> , 2007, 67, 609-619.	0.9	45
54	Hox cluster polarity in early transcriptional availability: a high order regulatory level of clustered Hox genes in the mouse. <i>Mechanisms of Development</i> , 2002, 119, 81-90.	1.7	41

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55	Human Extravillous Trophoblasts Penetrate Decidual Veins and Lymphatics before Remodeling Spiral Arteries during Early Pregnancy. PLoS ONE, 2017, 12, e0169849.	1.1	41
56	BMP and Hedgehog Regulate Distinct AGM Hematopoietic Stem Cells Ex Vivo. Stem Cell Reports, 2016, 6, 383-395.	2.3	37
57	Human-specific subcellular compartmentalization of P-element induced wimpy testis-like (PIWIL) granules during germ cell development and spermatogenesis. Human Reproduction, 2018, 33, 258-269.	0.4	37
58	Sperm DNA damage causes genomic instability in early embryonic development. Science Advances, 2020, 6, eaaz7602.	4.7	37
59	Modelling human embryogenesis: embryo-like structures spark ethical and policy debate. Human Reproduction Update, 2020, 26, 779-798.	5.2	36
60	Metabolomic profiles of bovine cumulus cells and cumulus-oocyte-complex-conditioned medium during maturation in vitro. Scientific Reports, 2018, 8, 9477.	1.6	35
61	Toxicity of beauvericin on porcine oocyte maturation and preimplantation embryo development. Reproductive Toxicology, 2016, 65, 159-169.	1.3	34
62	X chromosome inactivation in human pluripotent stem cells as a model for human development: back to the drawing board?. Human Reproduction Update, 2017, 23, 520-532.	5.2	34
63	A Distinct Expression Pattern in Mammalian Testes Indicates a Conserved Role for NANOG in Spermatogenesis. PLoS ONE, 2010, 5, e10987.	1.1	34
64	Complete follicular development and recovery of ovarian function of frozen-thawed, autotransplanted caprine ovarian cortex. Fertility and Sterility, 2009, 91, 1455-1458.	0.5	33
65	Alpha 6 integrin is important for myogenic stem cell differentiation. Stem Cell Research, 2011, 7, 112-123.	0.3	33
66	On the formation of germ cells: The good, the bad and the ugly. Differentiation, 2010, 79, 131-140.	1.0	32
67	Maternal age and in vitro culture affect mitochondrial number and function in equine oocytes and embryos. Reproduction, Fertility and Development, 2015, 27, 957.	0.1	32
68	Distribution and Development of Peripheral Glial Cells in the Human Fetal Cochlea. PLoS ONE, 2014, 9, e88066.	1.1	29
69	Validating reference microRNAs for normalizing qRT-PCR data in bovine oocytes and preimplantation embryos. BMC Developmental Biology, 2015, 15, 25.	2.1	29
70	BMP-SMAD Signaling Regulates Lineage Priming, but Is Dispensable for Self-Renewal in Mouse Embryonic Stem Cells. Stem Cell Reports, 2016, 6, 85-94.	2.3	27
71	Germline development in amniotes: A paradigm shift in primordial germ cell specification. BioEssays, 2016, 38, 791-800.	1.2	26
72	PDGFR α ⁺ Cells in Embryonic Stem Cell Cultures Represent the In Vitro Equivalent of the Pre-implantation Primitive Endoderm Precursors. Stem Cell Reports, 2017, 8, 318-333.	2.3	26

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73	Role of Fas-Mediated Apoptosis and Follicle-Stimulating Hormone on the Developmental Capacity of Bovine Cumulus Oocyte Complexes In Vitro. <i>Biology of Reproduction</i> , 2004, 71, 790-796.	1.2	25
74	Cell Lineage Specific Distribution of H3K27 Trimethylation Accumulation in an In Vitro Model for Human Implantation. <i>PLoS ONE</i> , 2012, 7, e32701.	1.1	25
75	On the development of extragonadal and gonadal human germ cells. <i>Biology Open</i> , 2016, 5, 185-194.	0.6	25
76	Differentiation of Porcine Inner Cell Mass Cells Into Proliferating Neural Cells. <i>Stem Cells and Development</i> , 2010, 19, 61-70.	1.1	24
77	Early divergence of mutational processes in human fetal tissues. <i>Science Advances</i> , 2019, 5, eaaw1271.	4.7	24
78	A 34-Marker Panel for Imaging Mass Cytometric Analysis of Human Snap-Frozen Tissue. <i>Frontiers in Immunology</i> , 2020, 11, 1466.	2.2	24
79	Identification of two distinct functions for TGF- β 2 in early mouse development. <i>Differentiation</i> , 1998, 64, 19-31.	1.0	23
80	Follicular 17 β -estradiol and progesterone concentrations and degree of cumulus cell expansion as predictors of in vivo-matured oocyte developmental competence in superstimulated heifers. <i>Theriogenology</i> , 2013, 80, 576-583.	0.9	23
81	Derivation of human embryonic stem cells using a post-“inner cell mass intermediate. <i>Nature Protocols</i> , 2013, 8, 254-264.	5.5	23
82	Characterization of migratory primordial germ cells in the aorta-gonad-mesonephros of a 4.5-week-old human embryo: a toolbox to evaluate in vitro early gametogenesis. <i>Molecular Human Reproduction</i> , 2018, 24, 233-243.	1.3	23
83	The TGF β 2 Family in Human Placental Development at the Fetal-Maternal Interface. <i>Biomolecules</i> , 2020, 10, 453.	1.8	23
84	Clathrin is essential for meiotic spindle function in oocytes. <i>Reproduction</i> , 2010, 140, 223-233.	1.1	20
85	A mRNA landscape of bovine embryos after standard and MAPK-inhibited culture conditions: a comparative analysis. <i>BMC Genomics</i> , 2015, 16, 277.	1.2	20
86	One-step automated bioprinting-based method for cumulus-oocyte complex microencapsulation for 3D in vitro maturation. <i>PLoS ONE</i> , 2020, 15, e0238812.	1.1	20
87	Visualizing Dynamic Changes at the Maternal-Fetal Interface Throughout Human Pregnancy by Mass Cytometry. <i>Frontiers in Immunology</i> , 2020, 11, 571300.	2.2	19
88	Mutation accumulation and developmental lineages in normal and Down syndrome human fetal haematopoiesis. <i>Scientific Reports</i> , 2020, 10, 12991.	1.6	19
89	Free fatty acid levels in fluid of dominant follicles at the preferred insemination time in dairy cows are not affected by early postpartum fatty acid stress. <i>Journal of Dairy Science</i> , 2015, 98, 2322-2336.	1.4	18
90	Amniotic ectoderm expansion occurs via distinct modes and requires SMAD5-mediated signalling. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	18

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91	The mycotoxin beauvericin induces oocyte mitochondrial dysfunction and affects embryo development in the juvenile sheep. <i>Molecular Reproduction and Development</i> , 2019, 86, 1430-1443.	1.0	18
92	Human blastocyst outgrowths recapitulate primordial germ cell specification events. <i>Molecular Human Reproduction</i> , 2019, 25, 519-526.	1.3	18
93	In Vitro Meiosis of Male Germline Stem Cells. <i>Stem Cell Reports</i> , 2020, 15, 1140-1153.	2.3	18
94	Computational Stem Cell Biology: Open Questions and Guiding Principles. <i>Cell Stem Cell</i> , 2021, 28, 20-32.	5.2	18
95	Single-Cell Transcriptomics Analysis of Human Small Antral Follicles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11955.	1.8	18
96	BMP-SMAD signalling output is highly regionalized in cardiovascular and lymphatic endothelial networks. <i>BMC Developmental Biology</i> , 2016, 16, 34.	2.1	17
97	MicroRNA Expression in Bovine Cumulus Cells in Relation to Oocyte Quality. <i>Non-coding RNA</i> , 2017, 3, 12.	1.3	17
98	Expression of the $\alpha 6$ integrin splice variant in developing mouse embryonic stem cell aggregates and correlation with cardiac muscle differentiation. <i>Differentiation</i> , 1999, 64, 173.	1.0	17
99	Characterization of bovine embryos cultured under conditions appropriate for sustaining human naïve pluripotency. <i>PLoS ONE</i> , 2017, 12, e0172920.	1.1	17
100	Osmotic tolerance and freezability of isolated caprine early-staged follicles. <i>Cell and Tissue Research</i> , 2008, 333, 323-331.	1.5	16
101	Blastocyst morphology, actin cytoskeleton quality and chromosome content are correlated with embryo quality in the pig. <i>Theriogenology</i> , 2008, 70, 923-935.	0.9	16
102	TACC3 Is Important for Correct Progression of Meiosis in Bovine Oocytes. <i>PLoS ONE</i> , 2015, 10, e0132591.	1.1	16
103	Application Of Small Molecules Favoring Naïve Pluripotency during Human Embryonic Stem Cell Derivation. <i>Cellular Reprogramming</i> , 2015, 17, 170-180.	0.5	16
104	Initiation of X Chromosome Inactivation during Bovine Embryo Development. <i>Cells</i> , 2020, 9, 1016.	1.8	16
105	Strand-specific single-cell methylomics reveals distinct modes of DNA demethylation dynamics during early mammalian development. <i>Nature Communications</i> , 2021, 12, 1286.	5.8	16
106	Developmental competence of bovine oocytes after specific inhibition of MPF kinase activity: Effect of estradiol supplementation and follicle size. <i>Animal Reproduction Science</i> , 2006, 92, 231-240.	0.5	15
107	Of Stem Cells and Gametes: Similarities and Differences. <i>Current Medicinal Chemistry</i> , 2008, 15, 1249-1256.	1.2	15
108	Early-Life Compartmentalization of Immune Cells in Human Fetal Tissues Revealed by High-Dimensional Mass Cytometry. <i>Frontiers in Immunology</i> , 2019, 10, 1932.	2.2	15

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109	Lymphangiogenesis and angiogenesis during human fetal pancreas development. <i>Vascular Cell</i> , 2014, 6, 22.	0.2	14
110	A conserved role for non-neural ectoderm cells in early neural development. <i>Development (Cambridge)</i> , 2014, 141, 4127-4138.	1.2	14
111	Naringenin (NAR) and 8-prenylnaringenin (8-PN) reduce the developmental competence of porcine oocytes in vitro. <i>Reproductive Toxicology</i> , 2014, 49, 1-11.	1.3	14
112	Revealing the spatio-phenotypic patterning of cells in healthy and tumor tissues with mLSR-3D and STAPL-3D. <i>Nature Biotechnology</i> , 2021, 39, 1239-1245.	9.4	14
113	CAZIP, a novel protein expressed in the developing heart and nervous system. <i>Developmental Dynamics</i> , 2009, 238, 2903-2911.	0.8	13
114	Systematic in vitro and in vivo characterization of Leukemia-inhibiting factor and Fibroblast growth factor-derived porcine induced pluripotent stem cells. <i>Molecular Reproduction and Development</i> , 2017, 84, 229-245.	1.0	13
115	Exposure to elevated glucose concentrations alters the metabolomic profile of bovine blastocysts. <i>PLoS ONE</i> , 2018, 13, e0199310.	1.1	13
116	Ligand-Receptor Interactions Elucidate Sex-Specific Pathways in the Trajectory From Primordial Germ Cells to Gonad During Human Development. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 661243.	1.8	13
117	Characterization of the epidermal-dermal junction in hiPSC-derived skin organoids. <i>Stem Cell Reports</i> , 2022, 17, 1279-1288.	2.3	13
118	Establishing reference genes for use in real-time quantitative PCR analysis of early equine embryos. <i>Reproduction, Fertility and Development</i> , 2011, 23, 353.	0.1	12
119	Sarcosin (Krp1) in skeletal muscle differentiation: gene expression profiling and knockdown experiments. <i>International Journal of Developmental Biology</i> , 2012, 56, 301-309.	0.3	12
120	PIWIL3 Forms a Complex with TDRKH in Mammalian Oocytes. <i>Cells</i> , 2020, 9, 1356.	1.8	12
121	Meiotic wave adds extra asymmetry to the development of female chicken gonads. <i>Molecular Reproduction and Development</i> , 2015, 82, 774-786.	1.0	11
122	A Bmp Reporter Transgene Mouse Embryonic Stem Cell Model as a Tool to Identify and Characterize Chemical Teratogens. <i>Toxicological Sciences</i> , 2015, 146, 374-385.	1.4	11
123	Activin A-derived human embryonic stem cells show increased competence to differentiate into primordial germ cell-like cells. <i>Stem Cells</i> , 2021, 39, 551-563.	1.4	11
124	Sex-Specific Isolation and Propagation of Human Premeiotic Fetal Germ Cells and Germ Cell-Like Cells. <i>Cells</i> , 2021, 10, 1214.	1.8	11
125	WNT Inhibition and Increased FGF Signaling Promotes Derivation of Less Heterogeneous Primed Human Embryonic Stem Cells, Compatible with Differentiation. <i>Stem Cells and Development</i> , 2019, 28, 579-592.	1.1	9
126	Engineered models of the human embryo. <i>Nature Biotechnology</i> , 2021, 39, 918-920.	9.4	9

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127	Fetal germ cell development in humans, a link with infertility. <i>Seminars in Cell and Developmental Biology</i> , 2022, 131, 58-65.	2.3	9
128	The Involvement of the Proamnion in the Development of the Anterior Amnion Fold in the Chicken. <i>PLoS ONE</i> , 2014, 9, e92672.	1.1	8
129	Molecular makeup of the human adult ovary. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2021, 18, 187-193.	0.6	8
130	Transcriptional progression during meiotic prophase I reveals sex-specific features and X chromosome dynamics in human fetal female germline. <i>PLoS Genetics</i> , 2021, 17, e1009773.	1.5	8
131	Alternariol disturbs oocyte maturation and preimplantation development. <i>Mycotoxin Research</i> , 2020, 36, 93-101.	1.3	7
132	Bovine oocyte maturation: acquisition of developmental competence. <i>Reproduction, Fertility and Development</i> , 2020, 32, 98.	0.1	7
133	Accelerating maturation of kidney organoids. <i>Nature Materials</i> , 2019, 18, 303-304.	13.3	6
134	Ochratoxin A affects oocyte maturation and subsequent embryo developmental dynamics in the juvenile sheep model. <i>Mycotoxin Research</i> , 2021, 37, 23-37.	1.3	5
135	Improving In Vitro Culture of Human Male Fetal Germ Cells. <i>Cells</i> , 2021, 10, 2033.	1.8	5
136	Tissue of Origin, but Not XCI State, Influences Germ Cell Differentiation from Human Pluripotent Stem Cells. <i>Cells</i> , 2021, 10, 2400.	1.8	5
137	Human induced pluripotent stem cells display a similar mutation burden as embryonic pluripotent cells in vivo. <i>iScience</i> , 2022, 25, 103736.	1.9	5
138	Genetic Basis of Dilated Cardiomyopathy in Dogs and Its Potential as a Bidirectional Model. <i>Animals</i> , 2022, 12, 1679.	1.0	5
139	Variation in DNA methylation in the KvDMR1 (ICR2) region in first-trimester human pregnancies. <i>Fertility and Sterility</i> , 2019, 111, 1186-1193.	0.5	4
140	Beauvericin alters the expression of genes coding for key proteins of the mitochondrial chain in ovine cumulus-oocyte complexes. <i>Mycotoxin Research</i> , 2021, 37, 1-9.	1.3	4
141	Lysophosphatidic Acid Accelerates Bovine In Vitro-Produced Blastocyst Formation through the Hippo/YAP Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5915.	1.8	4
142	Reverse transcription priming methods affect normalisation choices for gene expression levels in oocytes and early embryos. <i>Molecular Human Reproduction</i> , 2021, 27, .	1.3	4
143	Cellular Fragments in the Perivitelline Space Are Not a Predictor of Expanded Blastocyst Quality. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 616801.	1.8	4
144	Phiclust: a clusterability measure for single-cell transcriptomics reveals phenotypic subpopulations. <i>Genome Biology</i> , 2022, 23, 18.	3.8	4

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145	Emerging in vitro platforms and omics technologies for studying the endometrium and early embryo-maternal interface in humans. <i>Placenta</i> , 2022, 125, 36-46.	0.7	4
146	Primordial Germ Cells in Mouse and Human. , 2013, , 179-189.		3
147	Differentiation in Early Development. , 2014, , 121-139.		3
148	Microinjection induces changes in the transcriptome of bovine oocytes. <i>Scientific Reports</i> , 2020, 10, 11211.	1.6	3
149	FoxD1-driven CCN2 deletion causes axial skeletal deformities, pulmonary hypoplasia, and neonatal asphyctic death. <i>Journal of Cell Communication and Signaling</i> , 2019, 13, 573-577.	1.8	3
150	Susceptibility of Oocytes from Gilts and Sows to Beauvericin and Deoxynivalenol and Its Relationship with Oxidative Stress. <i>Toxins</i> , 2021, 13, 260.	1.5	3
151	Humanised Mice and Immunodeficient Mice (NSG) Are Equally Sensitive for Prediction of Stem Cell Malignancy in the Teratoma Assay. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4680.	1.8	2
152	Silencing XIST on the future active X: Searching human and bovine preimplantation embryos for the repressor. <i>European Journal of Human Genetics</i> , 2022, , .	1.4	2
153	Regenerative Medicine: Taming the Chimaera. <i>Stem Cell Reports</i> , 2018, 11, 849-851.	2.3	1
154	Functional Germ Cells: The Power of Soma. <i>Biology of Reproduction</i> , 2011, 84, 619-620.	1.2	0
155	Meet the Stem Cells. <i>Contemporary Food Engineering</i> , 2013, , 111-142.	0.2	0
156	Preimplantation Development: From Germ Cells to Blastocyst. <i>Learning Materials in Biosciences</i> , 2020, , 11-27.	0.2	0
157	Title is missing!. , 2020, 15, e0238812.		0
158	Title is missing!. , 2020, 15, e0238812.		0
159	Title is missing!. , 2020, 15, e0238812.		0
160	Title is missing!. , 2020, 15, e0238812.		0
161	Title is missing!. , 2020, 15, e0238812.		0