Tiziana A L Brevini

List of Publications by Year
in descending order

87	2,471	172443	214788
papers	citations	29 h-index	47 g-index

87	87	87	2764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The maternal legacy to the embryo: cytoplasmic components and their effects on early development. Theriogenology, 2001, 55, 1255-1276.	2.1	182
2	Efficiency of equilibrium cooling and vitrification procedures for the cryopreservation of ovarian tissue: comparative analysis between human and animal models. Fertility and Sterility, 2006, 85, 1150-1156.	1.0	177
3	Association between human oocyte developmental competence and expression levels of some cumulus genes. Reproduction, 2007, 134, 645-650.	2.6	164
4	Role of Adenosine Triphosphate, Active Mitochondria, and Microtubules in the Acquisition of Developmental Competence of Parthenogenetically Activated Pig Oocytes1. Biology of Reproduction, 2005, 72, 1218-1223.	2.7	149
5	Brief demethylation step allows the conversion of adult human skin fibroblasts into insulin-secreting cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8948-8953.	7.1	119
6	Changes in poly(A) tail length of maternal transcripts during in vitro maturation of bovine oocytes and their relation with developmental competence. Molecular Reproduction and Development, 1999, 52, 427-433.	2.0	105
7	Cytoplasmic remodelling and the acquisition of developmental competence in pig oocytes. Animal Reproduction Science, 2007, 98, 23-38.	1.5	67
8	In vitro development of human oocytes after parthenogenetic activation or intracytoplasmic sperm injection. Fertility and Sterility, 2007, 87, 77-82.	1.0	66
9	Effects of pre-mating nutrition on mRNA levels of developmentally relevant genes in sheep oocytes and granulosa cells. Reproduction, 2008, 136, 303-312.	2.6	63
10	Derivation and characterization of pluripotent cell lines from pig embryos of different origins. Theriogenology, 2007, 67, 54-63.	2.1	59
11	Culture Conditions and Signalling Networks Promoting the Establishment of Cell Lines from Parthenogenetic and Biparental Pig Embryos. Stem Cell Reviews and Reports, 2010, 6, 484-495.	5.6	59
12	The Role of Resveratrol in Mammalian Reproduction. Molecules, 2020, 25, 4554.	3.8	54
13	Effects of Endocrine Disruptors on Developmental and Reproductive Functions. Current Drug Targets Immune, Endocrine and Metabolic Disorders, 2005, 5, 1-10.	1.8	50
14	Large animal models for cardiac stem cell therapies. Theriogenology, 2011, 75, 1416-1425.	2.1	48
15	Effects of Endocrine Disrupters on the Oocytes and Embryos of Farm Animals. Reproduction in Domestic Animals, 2005, 40, 291-299.	1.4	43
16	Characterization of the Constitutive Pig Ovary Heat Shock Chaperone Machinery and Its Response to Acute Thermal Stress or to Seasonal Variations1. Biology of Reproduction, 2012, 87, 119.	2.7	42
17	Morphological and Molecular Changes of Human Granulosa Cells Exposed to 5-Azacytidine and Addressed Toward Muscular Differentiation. Stem Cell Reviews and Reports, 2014, 10, 633-642.	5.6	41
18	Cellular and molecular mechanisms mediating the effect of polychlorinated biphenyls on oocyte in vitro maturation. Reproductive Toxicology, 2006, 22, 242-249.	2.9	40

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19	Temporal and spatial control of gene expression in early embryos of farm animals. Reproduction, Fertility and Development, 2007, 19, 35.	0.4	40
20	Cell Lines Derived from Human Parthenogenetic Embryos Can Display Aberrant Centriole Distribution and Altered Expression Levels of Mitotic Spindle Check-point Transcripts. Stem Cell Reviews and Reports, 2009, 5, 340-352.	5.6	40
21	Cellular and molecular mechanisms mediating the effects of polychlorinated biphenyls on oocyte developmental competence in cattle. Molecular Reproduction and Development, 2001, 60, 535-541.	2.0	39
22	No shortcuts to pig embryonic stem cells. Theriogenology, 2010, 74, 544-550.	2.1	39
23	Evolution of pig intestinal stem cells from birth to weaning. Animal, 2019, 13, 2830-2839.	3.3	39
24	Expression pattern of the maternal factor zygote arrest 1 (Zar1) in bovine tissues, oocytes, and embryos. Molecular Reproduction and Development, 2004, 69, 375-380.	2.0	35
25	Beneficial effect of directional freezing on in vitro viability of cryopreserved sheep whole ovaries and ovarian cortical slices. Human Reproduction, 2014, 29, 114-124.	0.9	34
26	A Detailed Study of Rainbow Trout (Onchorhynchus mykiss) Intestine Revealed That Digestive and Absorptive Functions Are Not Linearly Distributed along Its Length. Animals, 2020, 10, 745.	2.3	34
27	Epigenetic Erasing and Pancreatic Differentiation of Dermal Fibroblasts into Insulin-Producing Cells are Boosted by the Use of Low-Stiffness Substrate. Stem Cell Reviews and Reports, 2018, 14, 398-411.	5.6	32
28	Chronic mastitis is associated with altered ovarian follicle development in dairy cattle. Journal of Dairy Science, 2012, 95, 1885-1893.	3.4	31
29	Activin ?A subunit is expressed in bovine oviduct. Molecular Reproduction and Development, 1995, 40, 286-291.	2.0	30
30	Current Advances in 3D Tissue and Organ Reconstruction. International Journal of Molecular Sciences, 2021, 22, 830.	4.1	30
31	Development, embryonic genome activity and mitochondrial characteristics of bovineâ€“pig inter-family nuclear transfer embryos. Reproduction, 2010, 140, 273-285.	2.6	29
32	5-azacytidine affects TET2 and histone transcription and reshapes morphology of human skin fibroblasts. Scientific Reports, 2016, 6, 37017.	3.3	29
33	Centrosome Amplification and Chromosomal Instability in Human and Animal Parthenogenetic Cell Lines. Stem Cell Reviews and Reports, 2012, 8, 1076-1087.	5.6	25
34	Whole-ovary decellularization generates an effective 3D bioscaffold for ovarian bioengineering. Journal of Assisted Reproduction and Genetics, 2020, 37, 1329-1339.	2.5	25
35	Early embryonic signals: embryo-maternal interactions before implantation. Animal Reproduction Science, 1992, 28, 269-276.	1.5	23
36	Parthenogenesis as an Approach to Pluripotency: Advantages and Limitations Involved. Stem Cell Reviews and Reports, 2008, 4, 127-135.	5.6	21

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37	Direct comparative analysis of conventional and directional freezing for the cryopreservation of whole ovaries. Fertility and Sterility, 2013, 100, 1122-1131.	1.0	19
38	RFD Award Lecture 2009.In vitro maturation of farm animal oocytes: a useful tool for investigating the mechanisms leading to full-term development. Reproduction, Fertility and Development, 2010, 22, 495.	0.4	18
39	Parthenogenesis in non-rodent species: developmental competence and differentiation plasticity. Theriogenology, 2012, 77, 766-772.	2.1	18
40	Use of a PTFE Micro-Bioreactor to Promote 3D Cell Rearrangement and Maintain High Plasticity in Epigenetically Erased Fibroblasts. Stem Cell Reviews and Reports, 2019, 15, 82-92.	5.6	17
41	MCF7 Spheroid Development: New Insight about Spatio/Temporal Arrangements of TNTs, Amyloid Fibrils, Cell Connections, and Cellular Bridges. International Journal of Molecular Sciences, 2020, 21, 5400.	4.1	17
42	Creation of a Bioengineered Ovary: Isolation of Female Germline Stem Cells for the Repopulation of a Decellularized Ovarian Bioscaffold. Methods in Molecular Biology, 2021, 2273, 139-149.	0.9	16
43	Aroclor-1254 affects mRNA polyadenylation, translational activation, cell morphology, and DNA integrity of rat primary prostate cells. Endocrine-Related Cancer, 2007, 14, 257-266.	3.1	15
44	A putative protein structurally related to zygote arrest 1 (Zar1), Zar1-like, is encoded by a novel gene conserved in the vertebrate lineage. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 150, 233-239.	1.6	15
45	New Stable Cell Lines Derived from the Proximal and Distal Intestine of Rainbow Trout (Oncorhynchus mykiss) Retain Several Properties Observed In Vivo. Cells, 2021, 10, 1555.	4.1	15
46	Ovarian Decellularized Bioscaffolds Provide an Optimal Microenvironment for Cell Growth and Differentiation In Vitro. Cells, 2021, 10, 2126.	4.1	15
47	Impact of Aging on the Ovarian Extracellular Matrix and Derived 3D Scaffolds. Nanomaterials, 2022, 12, 345.	4.1	15
48	Morphologic features of biocompatibility and neoangiogenesis onto a biodegradable tracheal prosthesis in an animal model. Interactive Cardiovascular and Thoracic Surgery, 2009, 8, 610-614.	1.1	14
49	Expression and intracytoplasmic distribution of staufen and calreticulin in maturing human oocytes. Journal of Assisted Reproduction and Genetics, 2015, 32, 645-652.	2.5	11
50	Phenotype switching through epigenetic conversion. Reproduction, Fertility and Development, 2015, 27, 776.	0.4	10
51	Developmental Potential of Human Oocytes After Slow Freezing or Vitrification: A Randomized In Vitro Study Based on Parthenogenesis. Reproductive Sciences, 2008, 15, 1027-1033.	2.5	8
52	Use of a Super-hydrophobic Microbioreactor to Generate and Boost Pancreatic Mini-organoids. Methods in Molecular Biology, 2017, 1576, 291-299.	0.9	8
53	The 3D Pattern of the Rainbow Trout (Oncorhynchus mykiss) Enterocytes and Intestinal Stem Cells. International Journal of Molecular Sciences, 2020, 21, 9192.	4.1	8
54	A 3D approach to reproduction. Theriogenology, 2020, 150, 2-7.	2.1	8

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55	â€œBiomechanical Signaling in Oocytes and Parthenogenetic Cellsâ€• Frontiers in Cell and Developmental Biology, 2021, 9, 646945.	3.7	8
56	Parthenogenetic Cell Lines: An Unstable Equilibrium Between Pluripotency and Malignant Transformation. Current Pharmaceutical Biotechnology, 2011, 12, 206-212.	1.6	7
57	Epigenetic Conversion as a Safe and Simple Method to Obtain Insulin-secreting Cells from Adult Skin Fibroblasts. Journal of Visualized Experiments, 2016, , .	0.3	7
58	Simple and Quick Method to Obtain a Decellularized, Functional Liver Bioscaffold. Methods in Molecular Biology, 2017, 1577, 283-292.	0.9	7
59	Bioengineering the ovary to preserve and reestablish female fertility. Animal Reproduction, 2019, 16, 45-51.	1.0	7
60	Correlations between chemical parameters, mitogenic activity and embryotrophic activity of bovine oviduct-conditioned medium. Theriogenology, 1997, 48, 659-673.	2.1	6
61	Extended ex vivo culture of fresh and cryopreserved whole sheep ovaries. Reproduction, Fertility and Development, 2016, 28, 1893.	0.4	6
62	Methylation mechanisms and biomechanical effectors controlling cell fate. Reproduction, Fertility and Development, 2018, 30, 64.	0.4	6
63	Procedure for rapid oocyte selection based on quantitative analysis of cumulus cell gene expression. Journal of Assisted Reproduction and Genetics, 2010, 27, 429-434.	2.5	5
64	Stem Cells in the Reproductive System. American Journal of Reproductive Immunology, 2012, 67, 445-462.	1.2	5
65	Erase and Rewind: Epigenetic Conversion of Cell Fate. Stem Cell Reviews and Reports, 2016, 12, 163-170.	5.6	5
66	Safety and Efficacy of Epigenetically Converted Human Fibroblasts Into Insulin-Secreting Cells: A Preclinical Study. Advances in Experimental Medicine and Biology, 2018, 1079, 151-162.	1.6	5
67	Joining European Scientific Forces to Face Pandemics. Trends in Microbiology, 2021, 29, 92-97.	7.7	5
68	Freezing and Freeze-Drying: The Future Perspective of Organ and Cell Preservation. Pancreatic Islet Biology, 2014, , 167-184.	0.3	5
69	A Two-Step Strategy that Combines Epigenetic Modification and Biomechanical Cues to Generate Mammalian Pluripotent Cells. Journal of Visualized Experiments, 2020, , .	0.3	5
70	Intercellular bridges are essential for human parthenogenetic cell survival. Mechanisms of Development, 2015, 136, 30-39.	1.7	4
71	A Two-Step Protocol to Erase Human Skin Fibroblasts and Convert Them into Trophoblast-like Cells. Methods in Molecular Biology, 2021, 2273, 151-158.	0.9	4
72	In Vitro development of preimplantation embryos from domestic species. Toxicology in Vitro, 1995, 9, 607-613.	2.4	3

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73	Rho Signaling-Directed YAP/TAZ Regulation Encourages 3D Spheroid Colony Formation and Boosts Plasticity of Parthenogenetic Stem Cells. Advances in Experimental Medicine and Biology, 2019, 1237, 49-60.	1.6	3
74	Generation of Trophoblast-Like Cells From Hypomethylated Porcine Adult Dermal Fibroblasts. Frontiers in Veterinary Science, 2021, 8, 706106.	2.2	3
75	New tools for cell reprogramming and conversion: Possible applications to livestock. Animal Reproduction, 2019, 16, 475-484.	1.0	3
76	Telocytes: Active Players in the Rainbow Trout (Oncorhynchus mykiss) Intestinal Stem-Cell Niche. Animals, 2022, 12, 74.	2.3	3
77	Preparation of Biological Scaffolds and Primary Intestinal Epithelial Cells to Efficiently 3D Model the Fish Intestinal Mucosa. Methods in Molecular Biology, 2021, 2273, 263-278.	0.9	2
78	Use of Virus-Mimicking Nanoparticles to Investigate Early Infection Events in Upper Airway 3D Models. Methods in Molecular Biology, 2021, 2273, 131-138.	0.9	2
79	Tracheal In Vitro Reconstruction Using a Decellularized Bio-Scaffold in Combination with a Rotating Bioreactor. Methods in Molecular Biology, 2021, , 157-165.	0.9	2
80	Newborn pig ovarian tissue xenografted into Severe Combined Immunodeficient (SCID) mice acquires limited responsiveness to gonadotropins. Theriogenology, 2010, 74, 557-562.	2.1	1
81	Parthenogenesis in mammals: pros and cons in pluripotent cell derivation. Open Life Sciences, 2011, 6, 770-775.	1.4	1
82	Adding a dimension to cell fate. Animal Reproduction, 2019, 16, 18-23.	1.0	1
83	Pluripotency in Domestic Animal Embryos. SpringerBriefs in Stem Cells, 2013, , 21-27.	0.1	0
84	Parthenogenesis and parthenogenetic stem cells. , 0, , 250-260.		0
85	Stem Cells and Cell Conversion in Livestock. , 2018, , 215-233.		0
86	Using Decellularization/Recellularization Processes to Prepare Liver and Cardiac Engineered Tissues. Methods in Molecular Biology, 2021, 2273, 111-129.	0.9	0
87	Early Embryo Development in Large Animals. SpringerBriefs in Stem Cells, 2013, , 1-19.	0.1	0