

Tiziana A L Brevini

List of Publications by Citations

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

85 papers	1,974 citations	26 h-index	43 g-index
87 ext. papers	2,189 ext. citations	3.3 avg, IF	4.76 L-index

#	Paper	IF	Citations
85	Efficiency of equilibrium cooling and vitrification procedures for the cryopreservation of ovarian tissue: comparative analysis between human and animal models. <i>Fertility and Sterility</i> , 2006 , 85 Suppl 1, 1150-6	4.8	155
84	The maternal legacy to the embryo: cytoplasmic components and their effects on early development. <i>Theriogenology</i> , 2001 , 55, 1255-76	2.8	153
83	Association between human oocyte developmental competence and expression levels of some cumulus genes. <i>Reproduction</i> , 2007 , 134, 645-50	3.8	138
82	Role of adenosine triphosphate, active mitochondria, and microtubules in the acquisition of developmental competence of parthenogenetically activated pig oocytes. <i>Biology of Reproduction</i> , 2005 , 72, 1218-23	3.9	129
81	Brief demethylation step allows the conversion of adult human skin fibroblasts into insulin-secreting cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8948-53	11.5	103
80	Changes in poly(A) tail length of maternal transcripts during in vitro maturation of bovine oocytes and their relation with developmental competence. <i>Molecular Reproduction and Development</i> , 1999 , 52, 427-33	2.6	97
79	In vitro development of human oocytes after parthenogenetic activation or intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2007 , 87, 77-82	4.8	59
78	Cytoplasmic remodelling and the acquisition of developmental competence in pig oocytes. <i>Animal Reproduction Science</i> , 2007 , 98, 23-38	2.1	56
77	Effects of pre-mating nutrition on mRNA levels of developmentally relevant genes in sheep oocytes and granulosa cells. <i>Reproduction</i> , 2008 , 136, 303-12	3.8	55
76	Derivation and characterization of pluripotent cell lines from pig embryos of different origins. <i>Theriogenology</i> , 2007 , 67, 54-63	2.8	54
75	Culture conditions and signalling networks promoting the establishment of cell lines from parthenogenetic and biparental pig embryos. <i>Stem Cell Reviews and Reports</i> , 2010 , 6, 484-95	6.4	51
74	Effects of endocrine disruptors on developmental and reproductive functions. <i>Current Drug Targets Immune, Endocrine and Metabolic Disorders</i> , 2005 , 5, 1-10		44
73	Large animal models for cardiac stem cell therapies. <i>Theriogenology</i> , 2011 , 75, 1416-25	2.8	41
72	Cell lines derived from human parthenogenetic embryos can display aberrant centriole distribution and altered expression levels of mitotic spindle check-point transcripts. <i>Stem Cell Reviews and Reports</i> , 2009 , 5, 340-52	6.4	38
71	No shortcuts to pig embryonic stem cells. <i>Theriogenology</i> , 2010 , 74, 544-50	2.8	37
70	Morphological and molecular changes of human granulosa cells exposed to 5-azacytidine and addressed toward muscular differentiation. <i>Stem Cell Reviews and Reports</i> , 2014 , 10, 633-42	6.4	36
69	Cellular and molecular mechanisms mediating the effect of polychlorinated biphenyls on oocyte in vitro maturation. <i>Reproductive Toxicology</i> , 2006 , 22, 242-9	3.4	36

68	Effects of endocrine disrupters on the oocytes and embryos of farm animals. <i>Reproduction in Domestic Animals</i> , 2005 , 40, 291-9	1.6	36
67	Temporal and spatial control of gene expression in early embryos of farm animals. <i>Reproduction, Fertility and Development</i> , 2007 , 19, 35-42	1.8	35
66	Characterization of the constitutive pig ovary heat shock chaperone machinery and its response to acute thermal stress or to seasonal variations. <i>Biology of Reproduction</i> , 2012 , 87, 119	3.9	33
65	Expression pattern of the maternal factor zygote arrest 1 (Zar1) in bovine tissues, oocytes, and embryos. <i>Molecular Reproduction and Development</i> , 2004 , 69, 375-80	2.6	32
64	Cellular and molecular mechanisms mediating the effects of polychlorinated biphenyls on oocyte developmental competence in cattle. <i>Molecular Reproduction and Development</i> , 2001 , 60, 535-41	2.6	32
63	Beneficial effect of directional freezing on in vitro viability of cryopreserved sheep whole ovaries and ovarian cortical slices. <i>Human Reproduction</i> , 2014 , 29, 114-24	5.7	30
62	Development, embryonic genome activity and mitochondrial characteristics of bovine-pig inter-family nuclear transfer embryos. <i>Reproduction</i> , 2010 , 140, 273-85	3.8	29
61	Chronic mastitis is associated with altered ovarian follicle development in dairy cattle. <i>Journal of Dairy Science</i> , 2012 , 95, 1885-93	4	27
60	Activin beta A subunit is expressed in bovine oviduct. <i>Molecular Reproduction and Development</i> , 1995 , 40, 286-91	2.6	27
59	Epigenetic Erasing and Pancreatic Differentiation of Dermal Fibroblasts into Insulin-Producing Cells are Boosted by the Use of Low-Stiffness Substrate. <i>Stem Cell Reviews and Reports</i> , 2018 , 14, 398-411	6.4	26
58	Centrosome amplification and chromosomal instability in human and animal parthenogenetic cell lines. <i>Stem Cell Reviews and Reports</i> , 2012 , 8, 1076-87	6.4	23
57	Early embryonic signals: embryo-maternal interactions before implantation. <i>Animal Reproduction Science</i> , 1992 , 28, 269-276	2.1	23
56	A Detailed Study of Rainbow Trout () Intestine Revealed That Digestive and Absorptive Functions Are Not Linearly Distributed along Its Length. <i>Animals</i> , 2020 , 10,	3.1	20
55	5-azacytidine affects TET2 and histone transcription and reshapes morphology of human skin fibroblasts. <i>Scientific Reports</i> , 2016 , 6, 37017	4.9	20
54	Parthenogenesis as an approach to pluripotency: advantages and limitations involved. <i>Stem Cell Reviews and Reports</i> , 2008 , 4, 127-35	6.4	19
53	Direct comparative analysis of conventional and directional freezing for the cryopreservation of whole ovaries. <i>Fertility and Sterility</i> , 2013 , 100, 1122-31	4.8	18
52	The Role of Resveratrol in Mammalian Reproduction. <i>Molecules</i> , 2020 , 25,	4.8	17
51	Evolution of pig intestinal stem cells from birth to weaning. <i>Animal</i> , 2019 , 13, 2830-2839	3.1	16

50	Parthenogenesis in non-rodent species: developmental competence and differentiation plasticity. <i>Theriogenology</i> , 2012 , 77, 766-72	2.8	16
49	RFD Award Lecture 2009. In vitro maturation of farm animal oocytes: a useful tool for investigating the mechanisms leading to full-term development. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 495-507	1.8	15
48	Current Advances in 3D Tissue and Organ Reconstruction. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	15
47	Aroclor-1254 affects mRNA polyadenylation, translational activation, cell morphology, and DNA integrity of rat primary prostate cells. <i>Endocrine-Related Cancer</i> , 2007 , 14, 257-66	5.7	14
46	Morphologic features of biocompatibility and neoangiogenesis onto a biodegradable tracheal prosthesis in an animal model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2009 , 8, 610-4	1.8	12
45	Whole-ovary decellularization generates an effective 3D bioscaffold for ovarian bioengineering. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 1329-1339	3.4	11
44	A putative protein structurally related to zygote arrest 1 (Zar1), Zar1-like, is encoded by a novel gene conserved in the vertebrate lineage. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008 , 150, 233-9	2.3	11
43	Use of a PTFE Micro-Bioreactor to Promote 3D Cell Rearrangement and Maintain High Plasticity in Epigenetically Erased Fibroblasts. <i>Stem Cell Reviews and Reports</i> , 2019 , 15, 82-92	6.4	10
42	Expression and intracytoplasmic distribution of staufen and calreticulin in maturing human oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 645-52	3.4	8
41	Developmental potential of human oocytes after slow freezing or vitrification: a randomized in vitro study based on parthenogenesis. <i>Reproductive Sciences</i> , 2008 , 15, 1027-33	3	8
40	MCF7 Spheroid Development: New Insight about Spatio/Temporal Arrangements of TNTs, Amyloid Fibrils, Cell Connections, and Cellular Bridges. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
39	Phenotype switching through epigenetic conversion. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 776-83	1.8	7
38	A 3D approach to reproduction. <i>Theriogenology</i> , 2020 , 150, 2-7	2.8	7
37	Parthenogenetic cell lines: an unstable equilibrium between pluripotency and malignant transformation. <i>Current Pharmaceutical Biotechnology</i> , 2011 , 12, 206-12	2.6	7
36	Use of a Super-hydrophobic Microbioreactor to Generate and Boost Pancreatic Mini-organoids. <i>Methods in Molecular Biology</i> , 2019 , 1576, 291-299	1.4	6
35	Epigenetic Conversion as a Safe and Simple Method to Obtain Insulin-secreting Cells from Adult Skin Fibroblasts. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	5
34	Stem cells in the reproductive system. <i>American Journal of Reproductive Immunology</i> , 2012 , 67, 445-62	3.8	5
33	Correlations between chemical parameters, mitogenic activity and embryotrophic activity of bovine oviduct-conditioned medium. <i>Theriogenology</i> , 1997 , 48, 659-73	2.8	5

32	Intercellular bridges are essential for human parthenogenetic cell survival. <i>Mechanisms of Development</i> , 2015 , 136, 30-9	1.7	4
31	Safety and Efficacy of Epigenetically Converted Human Fibroblasts Into Insulin-Secreting Cells: A Preclinical Study. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1079, 151-162	3.6	4
30	Simple and Quick Method to Obtain a Decellularized, Functional Liver Bioscaffold. <i>Methods in Molecular Biology</i> , 2018 , 1577, 283-292	1.4	4
29	Bioengineering the ovary to preserve and reestablish female fertility. <i>Animal Reproduction</i> , 2020 , 16, 45-51	1.7	4
28	Extended ex vivo culture of fresh and cryopreserved whole sheep ovaries. <i>Reproduction, Fertility and Development</i> , 2016 , 28, 1893-1903	1.8	4
27	Creation of a Bioengineered Ovary: Isolation of Female Germline Stem Cells for the Repopulation of a Decellularized Ovarian Bioscaffold. <i>Methods in Molecular Biology</i> , 2021 , 2273, 139-149	1.4	4
26	"Biomechanical Signaling in Oocytes and Parthenogenetic Cells". <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 646945	5.7	4
25	Methylation mechanisms and biomechanical effectors controlling cell fate. <i>Reproduction, Fertility and Development</i> , 2017 , 30, 64-72	1.8	4
24	Erase and Rewind: Epigenetic Conversion of Cell Fate. <i>Stem Cell Reviews and Reports</i> , 2016 , 12, 163-70	6.4	3
23	Procedure for rapid oocyte selection based on quantitative analysis of cumulus cell gene expression. <i>Journal of Assisted Reproduction and Genetics</i> , 2010 , 27, 429-34	3.4	3
22	A Two-Step Strategy that Combines Epigenetic Modification and Biomechanical Cues to Generate Mammalian Pluripotent Cells. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	3
21	Freezing and Freeze-Drying: The Future Perspective of Organ and Cell Preservation. <i>Pancreatic Islet Biology</i> , 2014 , 167-184	0.4	3
20	Joining European Scientific Forces to Face Pandemics. <i>Trends in Microbiology</i> , 2021 , 29, 92-97	12.4	3
19	Rho Signaling-Directed YAP/TAZ Regulation Encourages 3D Spheroid Colony Formation and Boosts Plasticity of Parthenogenetic Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1237, 49-60	3.6	2
18	In Vitro development of preimplantation embryos from domestic species. <i>Toxicology in Vitro</i> , 1995 , 9, 607-13	3.6	2
17	Newborn pig ovarian tissue xenografted into Severe Combined Immunodeficient (SCID) mice acquires limited responsiveness to gonadotropins. <i>Theriogenology</i> , 2010 , 74, 557-62	2.8	1
16	Impact of Aging on the Ovarian Extracellular Matrix and Derived 3D Scaffolds.. <i>Nanomaterials</i> , 2022 , 12,	5.4	1
15	New tools for cell reprogramming and conversion: Possible applications to livestock. <i>Animal Reproduction</i> , 2019 , 16, 475-484	1.7	1

14	Adding a dimension to cell fate. <i>Animal Reproduction</i> , 2020 , 16, 18-23	1.7	1
13	The 3D Pattern of the Rainbow Trout () Enterocytes and Intestinal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
12	New Stable Cell Lines Derived from the Proximal and Distal Intestine of Rainbow Trout () Retain Several Properties Observed In Vivo. <i>Cells</i> , 2021 , 10,	7.9	1
11	A Two-Step Protocol to Erase Human Skin Fibroblasts and Convert Them into Trophoblast-like Cells. <i>Methods in Molecular Biology</i> , 2021 , 2273, 151-158	1.4	1
10	Ovarian Decellularized Bioscaffolds Provide an Optimal Microenvironment for Cell Growth and Differentiation In Vitro. <i>Cells</i> , 2021 , 10,	7.9	1
9	Parthenogenesis in mammals: pros and cons in pluripotent cell derivation. <i>Open Life Sciences</i> , 2011 , 6, 770-775	1.2	0
8	Generation of Trophoblast-Like Cells From Hypomethylated Porcine Adult Dermal Fibroblasts. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 706106	3.1	0
7	Use of Virus-Mimicking Nanoparticles to Investigate Early Infection Events in Upper Airway 3D Models. <i>Methods in Molecular Biology</i> , 2021 , 2273, 131-138	1.4	0
6	Stem Cells and Cell Conversion in Livestock 2018 , 215-233		
5	Pluripotency in Domestic Animal Embryos. <i>SpringerBriefs in Stem Cells</i> , 2013 , 21-27		
4	Parthenogenesis and parthenogenetic stem cells250-260		
3	Early Embryo Development in Large Animals. <i>SpringerBriefs in Stem Cells</i> , 2013 , 1-19		
2	Using Decellularization/Recellularization Processes to Prepare Liver and Cardiac Engineered Tissues. <i>Methods in Molecular Biology</i> , 2021 , 2273, 111-129	1.4	
1	Preparation of Biological Scaffolds and Primary Intestinal Epithelial Cells to Efficiently 3D Model the Fish Intestinal Mucosa. <i>Methods in Molecular Biology</i> , 2021 , 2273, 263-278	1.4	