Tiziana A L Brevini

List of Publications by Year in Descending Order

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	Impact of Aging on the Ovarian Extracellular Matrix and Derived 3D Scaffolds.. *Nanomaterials*, **2022**, 12,	5.4	1
84	New Stable Cell Lines Derived from the Proximal and Distal Intestine of Rainbow Trout () Retain Several Properties Observed In Vivo. *Cells*, **2021**, 10,	7.9	1
83	Generation of Trophoblast-Like Cells From Hypomethylated Porcine Adult Dermal Fibroblasts. *Frontiers in Veterinary Science*, **2021**, 8, 706106	3.1	0
82	Using Decellularization/Recellularization Processes to Prepare Liver and Cardiac Engineered Tissues. *Methods in Molecular Biology*, **2021**, 2273, 111-129	1.4	
81	Current Advances in 3D Tissue and Organ Reconstruction. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	15
80	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	1.4	
79	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	1.4	4
78	A Two-Step Protocol to Erase Human Skin Fibroblasts and Convert Them into Trophoblast-like Cells. *Methods in Molecular Biology*, **2021**, 2273, 151-158	1.4	1
77	Use of Virus-Mimicking Nanoparticles to Investigate Early Infection Events in Upper Airway 3D Models. *Methods in Molecular Biology*, **2021**, 2273, 131-138	1.4	0
76	Joining European Scientific Forces to Face Pandemics. *Trends in Microbiology*, **2021**, 29, 92-97	12.4	3
75	"Biomechanical Signaling in Oocytes and Parthenogenetic Cells". *Frontiers in Cell and Developmental Biology*, **2021**, 9, 646945	5.7	4
74	Ovarian Decellularized Bioscaffolds Provide an Optimal Microenvironment for Cell Growth and Differentiation In Vitro. *Cells*, **2021**, 10,	7.9	1
73	Whole-ovary decellularization generates an effective 3D bioscaffold for ovarian bioengineering. *Journal of Assisted Reproduction and Genetics*, **2020**, 37, 1329-1339	3.4	11
72	A 3D approach to reproduction. *Theriogenology*, **2020**, 150, 2-7	2.8	7
71	A Detailed Study of Rainbow Trout () Intestine Revealed That Digestive and Absorptive Functions Are Not Linearly Distributed along Its Length. *Animals*, **2020**, 10,	3.1	20
70	Rho Signaling-Directed YAP/TAZ Regulation Encourages 3D Spheroid Colony Formation and Boosts Plasticity of Parthenogenetic Stem Cells. *Advances in Experimental Medicine and Biology*, **2020**, 1237, 49-60	3.6	2
69	Bioengineering the ovary to preserve and reestablish female fertility. *Animal Reproduction*, **2020**, 16, 45-51	1.7	4

68	A Two-Step Strategy that Combines Epigenetic Modification and Biomechanical Cues to Generate Mammalian Pluripotent Cells. *Journal of Visualized Experiments*, **2020**,	1.6	3
67	Adding a dimension to cell fate. *Animal Reproduction*, **2020**, 16, 18-23	1.7	1
66	The Role of Resveratrol in Mammalian Reproduction. *Molecules*, **2020**, 25,	4.8	17
65	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,	6.3	8
64	The 3D Pattern of the Rainbow Trout () Enterocytes and Intestinal Stem Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
63	Evolution of pig intestinal stem cells from birth to weaning. *Animal*, **2019**, 13, 2830-2839	3.1	16
62	Use of a Super-hydrophobic Microbioreactor to Generate and Boost Pancreatic Mini-organoids. *Methods in Molecular Biology*, **2019**, 1576, 291-299	1.4	6
61	New tools for cell reprogramming and conversion: Possible applications to livestock. *Animal Reproduction*, **2019**, 16, 475-484	1.7	1
60	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	6.4	10
59	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	3.6	4
58	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	6.4	26
57	Stem Cells and Cell Conversion in Livestock **2018**, 215-233		
56	Simple and Quick Method to Obtain a Decellularized, Functional Liver Bioscaffold. *Methods in Molecular Biology*, **2018**, 1577, 283-292	1.4	4
55	Methylation mechanisms and biomechanical effectors controlling cell fate. *Reproduction, Fertility and Development*, **2017**, 30, 64-72	1.8	4
54	5-azacytidine affects TET2 and histone transcription and reshapes morphology of human skin fibroblasts. *Scientific Reports*, **2016**, 6, 37017	4.9	20
53	Epigenetic Conversion as a Safe and Simple Method to Obtain Insulin-secreting Cells from Adult Skin Fibroblasts. *Journal of Visualized Experiments*, **2016**,	1.6	5
52	Erase and Rewind: Epigenetic Conversion of Cell Fate. *Stem Cell Reviews and Reports*, **2016**, 12, 163-70	6.4	3
51	Extended ex vivo culture of fresh and cryopreserved whole sheep ovaries. *Reproduction, Fertility and Development*, **2016**, 28, 1893-1903	1.8	4

50	Intercellular bridges are essential for human parthenogenetic cell survival. *Mechanisms of Development*, **2015**, 136, 30-9	1.7	4
49	Expression and intracytoplasmic distribution of staufen and calreticulin in maturing human oocytes. *Journal of Assisted Reproduction and Genetics*, **2015**, 32, 645-52	3.4	8
48	Phenotype switching through epigenetic conversion. *Reproduction, Fertility and Development*, **2015**, 27, 776-83	1.8	7
47	Beneficial effect of directional freezing on in vitro viability of cryopreserved sheep whole ovaries and ovarian cortical slices. *Human Reproduction*, **2014**, 29, 114-24	5.7	30
46	Morphological and molecular changes of human granulosa cells exposed to 5-azacytidine and addressed toward muscular differentiation. *Stem Cell Reviews and Reports*, **2014**, 10, 633-42	6.4	36
45	Freezing and Freeze-Drying: The Future Perspective of Organ and Cell Preservation. *Pancreatic Islet Biology*, **2014**, 167-184	0.4	3
44	Direct comparative analysis of conventional and directional freezing for the cryopreservation of whole ovaries. *Fertility and Sterility*, **2013**, 100, 1122-31	4.8	18
43	Pluripotency in Domestic Animal Embryos. *SpringerBriefs in Stem Cells*, **2013**, 21-27		
42	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, 8948-53	11.5	103
41	Early Embryo Development in Large Animals. *SpringerBriefs in Stem Cells*, **2013**, 1-19		
40	Stem cells in the reproductive system. *American Journal of Reproductive Immunology*, **2012**, 67, 445-62	3.8	5
39	Chronic mastitis is associated with altered ovarian follicle development in dairy cattle. *Journal of Dairy Science*, **2012**, 95, 1885-93	4	27
38	Parthenogenesis in non-rodent species: developmental competence and differentiation plasticity. *Theriogenology*, **2012**, 77, 766-72	2.8	16
37	Centrosome amplification and chromosomal instability in human and animal parthenogenetic cell lines. *Stem Cell Reviews and Reports*, **2012**, 8, 1076-87	6.4	23
36	Characterization of the constitutive pig ovary heat shock chaperone machinery and its response to acute thermal stress or to seasonal variations. *Biology of Reproduction*, **2012**, 87, 119	3.9	33
35	Large animal models for cardiac stem cell therapies. *Theriogenology*, **2011**, 75, 1416-25	2.8	41
34	Parthenogenetic cell lines: an unstable equilibrium between pluripotency and malignant transformation. *Current Pharmaceutical Biotechnology*, **2011**, 12, 206-12	2.6	7
33	Parthenogenesis in mammals: pros and cons in pluripotent cell derivation. *Open Life Sciences*, **2011**, 6, 770-775	1.2	0

32	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, 495-507	1.8	15
31	Development, embryonic genome activity and mitochondrial characteristics of bovine-pig inter-family nuclear transfer embryos. *Reproduction*, **2010**, 140, 273-85	3.8	29
30	Newborn pig ovarian tissue xenografted into Severe Combined Immunodeficient (SCID) mice acquires limited responsiveness to gonadotropins. *Theriogenology*, **2010**, 74, 557-62	2.8	1
29	No shortcuts to pig embryonic stem cells. *Theriogenology*, **2010**, 74, 544-50	2.8	37
28	Culture conditions and signalling networks promoting the establishment of cell lines from parthenogenetic and biparental pig embryos. *Stem Cell Reviews and Reports*, **2010**, 6, 484-95	6.4	51
27	Procedure for rapid oocyte selection based on quantitative analysis of cumulus cell gene expression. *Journal of Assisted Reproduction and Genetics*, **2010**, 27, 429-34	3.4	3
26	Morphologic features of biocompatibility and neoangiogenesis onto a biodegradable tracheal prosthesis in an animal model. *Interactive Cardiovascular and Thoracic Surgery*, **2009**, 8, 610-4	1.8	12
25	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, 340-52	6.4	38
24	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, 233-9	2.3	11
23	Developmental potential of human oocytes after slow freezing or vitrification: a randomized in vitro study based on parthenogenesis. *Reproductive Sciences*, **2008**, 15, 1027-33	3	8
22	Effects of pre-mating nutrition on mRNA levels of developmentally relevant genes in sheep oocytes and granulosa cells. *Reproduction*, **2008**, 136, 303-12	3.8	55
21	Parthenogenesis as an approach to pluripotency: advantages and limitations involved. *Stem Cell Reviews and Reports*, **2008**, 4, 127-35	6.4	19
20	Aroclor-1254 affects mRNA polyadenylation, translational activation, cell morphology, and DNA integrity of rat primary prostate cells. *Endocrine-Related Cancer*, **2007**, 14, 257-66	5.7	14
19	Association between human oocyte developmental competence and expression levels of some cumulus genes. *Reproduction*, **2007**, 134, 645-50	3.8	138
18	Temporal and spatial control of gene expression in early embryos of farm animals. *Reproduction, Fertility and Development*, **2007**, 19, 35-42	1.8	35
17	Derivation and characterization of pluripotent cell lines from pig embryos of different origins. *Theriogenology*, **2007**, 67, 54-63	2.8	54
16	Cytoplasmic remodelling and the acquisition of developmental competence in pig oocytes. *Animal Reproduction Science*, **2007**, 98, 23-38	2.1	56
15	In vitro development of human oocytes after parthenogenetic activation or intracytoplasmic sperm injection. *Fertility and Sterility*, **2007**, 87, 77-82	4.8	59

14	Cellular and molecular mechanisms mediating the effect of polychlorinated biphenyls on oocyte in vitro maturation. *Reproductive Toxicology*, **2006**, 22, 242-9	3.4	36
13	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 Suppl 1, 1150-6	4.8	155
12	Role of adenosine triphosphate, active mitochondria, and microtubules in the acquisition of developmental competence of parthenogenetically activated pig oocytes. *Biology of Reproduction*, **2005**, 72, 1218-23	3.9	129
11	Effects of endocrine disrupters on the oocytes and embryos of farm animals. *Reproduction in Domestic Animals*, **2005**, 40, 291-9	1.6	36
10	Effects of endocrine disruptors on developmental and reproductive functions. *Current Drug Targets Immune, Endocrine and Metabolic Disorders*, **2005**, 5, 1-10		44
9	Expression pattern of the maternal factor zygote arrest 1 (Zar1) in bovine tissues, oocytes, and embryos. *Molecular Reproduction and Development*, **2004**, 69, 375-80	2.6	32
8	Cellular and molecular mechanisms mediating the effects of polychlorinated biphenyls on oocyte developmental competence in cattle. *Molecular Reproduction and Development*, **2001**, 60, 535-41	2.6	32
7	The maternal legacy to the embryo: cytoplasmic components and their effects on early development. *Theriogenology*, **2001**, 55, 1255-76	2.8	153
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, 427-33	2.6	97
5	Correlations between chemical parameters, mitogenic activity and embryotrophic activity of bovine oviduct-conditioned medium. *Theriogenology*, **1997**, 48, 659-73	2.8	5
4	In Vitro development of preimplantation embryos from domestic species. *Toxicology in Vitro*, **1995**, 9, 607-13	3.6	2
3	Activin beta A subunit is expressed in bovine oviduct. *Molecular Reproduction and Development*, **1995**, 40, 286-91	2.6	27
2	Early embryonic signals: embryo-maternal interactions before implantation. *Animal Reproduction Science*, **1992**, 28, 269-276	2.1	23
1	Parthenogenesis and parthenogenetic stem cells250-260		