Fulvio Gandolfi

List of Publications by Year
in descending order

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136	4,528	87723	118652
papers	citations	38 h-index	62 g-index

146	146	146	3860
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of Aging on the Ovarian Extracellular Matrix and Derived 3D Scaffolds. Nanomaterials, 2022, 12, 345.	1.9	15
2	Telocytes: Active Players in the Rainbow Trout (Oncorhynchus mykiss) Intestinal Stem-Cell Niche. Animals, 2022, 12, 74.	1.0	3
3	Current Advances in 3D Tissue and Organ Reconstruction. International Journal of Molecular Sciences, 2021, 22, 830.	1.8	30
4	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.	0.4	2
5	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.	0.4	16
6	A Two-Step Protocol to Erase Human Skin Fibroblasts and Convert Them into Trophoblast-like Cells. Methods in Molecular Biology, 2021, 2273, 151-158.	0.4	4
7	Use of Virus-Mimicking Nanoparticles to Investigate Early Infection Events in Upper Airway 3D Models. Methods in Molecular Biology, 2021, 2273, 131-138.	0.4	2
8	â€œBiomechanical Signaling in Oocytes and Parthenogenetic Cellsâ€• Frontiers in Cell and Developmental Biology, 2021, 9, 646945.	1.8	8
9	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.	1.8	15
10	Generation of Trophoblast-Like Cells From Hypomethylated Porcine Adult Dermal Fibroblasts. Frontiers in Veterinary Science, 2021, 8, 706106.	0.9	3
11	Ovarian Decellularized Bioscaffolds Provide an Optimal Microenvironment for Cell Growth and Differentiation In Vitro. Cells, 2021, 10, 2126.	1.8	15
12	Farewell. Theriogenology, 2021, 176, A1.	0.9	0
13	Tracheal In Vitro Reconstruction Using a Decellularized Bio-Scaffold in Combination with a Rotating Bioreactor. Methods in Molecular Biology, 2021, , 157-165.	0.4	2
14	The Role of Resveratrol in Mammalian Reproduction. Molecules, 2020, 25, 4554.	1.7	54
15	The 3D Pattern of the Rainbow Trout (Oncorhynchus mykiss) Enterocytes and Intestinal Stem Cells. International Journal of Molecular Sciences, 2020, 21, 9192.	1.8	8
16	Whole-ovary decellularization generates an effective 3D bioscaffold for ovarian bioengineering. Journal of Assisted Reproduction and Genetics, 2020, 37, 1329-1339.	1.2	25
17	Implications of miRNA expression pattern in bovine oocytes and follicular fluids for developmental competence. Theriogenology, 2020, 145, 77-85.	0.9	17
18	A 3D approach to reproduction. Theriogenology, 2020, 150, 2-7.	0.9	8

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19	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.	1.0	34
20	All roads lead to Rome: the many ways to pluripotency. Journal of Assisted Reproduction and Genetics, 2020, 37, 1029-1036.	1.2	7
21	A Two-Step Strategy that Combines Epigenetic Modification and Biomechanical Cues to Generate Mammalian Pluripotent Cells. Journal of Visualized Experiments, 2020, , .	0.2	5
22	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.	0.8	3
23	Evolution of pig intestinal stem cells from birth to weaning. Animal, 2019, 13, 2830-2839.	1.3	39
24	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
25	Bioengineering the ovary to preserve and reestablish female fertility. Animal Reproduction, 2019, 16, 45-51.	0.4	7
26	New tools for cell reprogramming and conversion: Possible applications to livestock. Animal Reproduction, 2019, 16, 475-484.	0.4	3
27	Adding a dimension to cell fate. Animal Reproduction, 2019, 16, 18-23.	0.4	1
28	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.	0.8	5
29	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
30	Methylation mechanisms and biomechanical effectors controlling cell fate. Reproduction, Fertility and Development, 2018, 30, 64.	0.1	6
31	Stem Cells and Cell Conversion in Livestock. , 2018, , 215-233.		0
32	Profiling bovine blastocyst microRNAs using deep sequencing. Reproduction, Fertility and Development, 2017, 29, 1545.	0.1	9
33	Simple and Quick Method to Obtain a Decellularized, Functional Liver Bioscaffold. Methods in Molecular Biology, 2017, 1577, 283-292.	0.4	7
34	Use of a Super-hydrophobic Microbioreactor to Generate and Boost Pancreatic Mini-organoids. Methods in Molecular Biology, 2017, 1576, 291-299.	0.4	8
35	In search of the transcriptional blueprints of a competent oocyte. Animal Reproduction, 2017, 14, 34-47.	0.4	1
36	Mountain high and valley deep: epigenetic controls of pluripotency and cell fate. Animal Reproduction, 2017, 14, 61-68.	0.4	1

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37	Extended ex vivo culture of fresh and cryopreserved whole sheep ovaries. Reproduction, Fertility and Development, 2016, 28, 1893.	0.1	6
38	Foreword. Theriogenology, 2016, 85, 1.	0.9	0
39	Epigenetic conversion of adult dog skin fibroblasts into insulin-secreting cells. Veterinary Journal, 2016, 211, 52-56.	0.6	20
40	5-azacytidine affects TET2 and histone transcription and reshapes morphology of human skin fibroblasts. Scientific Reports, 2016, 6, 37017.	1.6	29
41	Epigenetic Conversion as a Safe and Simple Method to Obtain Insulin-secreting Cells from Adult Skin Fibroblasts. Journal of Visualized Experiments, 2016, , .	0.2	7
42	The quest for an effective and safe personalized cell therapy using epigenetic tools. Clinical Epigenetics, 2016, 8, 119.	1.8	11
43	Erase and Rewind: Epigenetic Conversion of Cell Fate. Stem Cell Reviews and Reports, 2016, 12, 163-170.	5.6	5
44	Intercellular bridges are essential for human parthenogenetic cell survival. Mechanisms of Development, 2015, 136, 30-39.	1.7	4
45	Expression and intracytoplasmic distribution of staufen and calreticulin in maturing human oocytes. Journal of Assisted Reproduction and Genetics, 2015, 32, 645-652.	1.2	11
46	Phenotype switching through epigenetic conversion. Reproduction, Fertility and Development, 2015, 27, 776.	0.1	10
47	Our first 40 years. Theriogenology, 2014, 81, 1-2.	0.9	6
48	Reprogramming of Pig Dermal Fibroblast into Insulin Secreting Cells by a Brief Exposure to 5-aza-cytidine. Stem Cell Reviews and Reports, 2014, 10, 31-43.	5.6	39
49	Beneficial effect of directional freezing on in vitro viability of cryopreserved sheep whole ovaries and ovarian cortical slices. Human Reproduction, 2014, 29, 114-124.	0.4	34
50	Immune Intervention for Type 1 Diabetes, 2012â€“2013. Diabetes Technology and Therapeutics, 2014, 16, S-85-S-91.	2.4	1
51	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
52	Freezing and Freeze-Drying: The Future Perspective of Organ and Cell Preservation. Pancreatic Islet Biology, 2014, , 167-184.	0.1	5
53	Direct comparative analysis of conventional and directional freezing for the cryopreservation of whole ovaries. Fertility and Sterility, 2013, 100, 1122-1131.	0.5	19
54	Pluripotency in Domestic Animal Embryos. SpringerBriefs in Stem Cells, 2013, , 21-27.	0.1	0

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55	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.	3.3	119
56	Early Embryo Development in Large Animals. SpringerBriefs in Stem Cells, 2013, , 1-19.	0.1	0
57	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.	1.2	42
58	Chronic mastitis is associated with altered ovarian follicle development in dairy cattle. Journal of Dairy Science, 2012, 95, 1885-1893.	1.4	31
59	Why is it so Difficult to Derive Pluripotent Stem Cells in Domestic Ungulates?. Reproduction in Domestic Animals, 2012, 47, 11-17.	0.6	35
60	Foreword. Theriogenology, 2012, 78, 1732.	0.9	0
61	Parthenogenesis in non-rodent species: developmental competence and differentiation plasticity. Theriogenology, 2012, 77, 766-772.	0.9	18
62	Isolation, Characterization and Differentiation Potential of Cardiac Progenitor Cells in Adult Pigs. Stem Cell Reviews and Reports, 2012, 8, 706-719.	5.6	4
63	Centrosome Amplification and Chromosomal Instability in Human and Animal Parthenogenetic Cell Lines. Stem Cell Reviews and Reports, 2012, 8, 1076-1087.	5.6	25
64	Stem Cells in the Reproductive System. American Journal of Reproductive Immunology, 2012, 67, 445-462.	1.2	5
65	Pluripotency Network in Porcine Embryos and Derived Cell Lines. Reproduction in Domestic Animals, 2012, 47, 86-91.	0.6	27
66	Large animal models for cardiac stem cell therapies. Theriogenology, 2011, 75, 1416-1425.	0.9	48
67	Parthenogenetic Cell Lines: An Unstable Equilibrium Between Pluripotency and Malignant Transformation. Current Pharmaceutical Biotechnology, 2011, 12, 206-212.	0.9	7
68	Parthenogenesis in mammals: pros and cons in pluripotent cell derivation. Open Life Sciences, 2011, 6, 770-775.	0.6	1
69	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
70	Procedure for rapid oocyte selection based on quantitative analysis of cumulus cell gene expression. Journal of Assisted Reproduction and Genetics, 2010, 27, 429-434.	1.2	5
71	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.	0.1	18
72	Development, embryonic genome activity and mitochondrial characteristics of bovineâ€“pig inter-family nuclear transfer embryos. Reproduction, 2010, 140, 273-285.	1.1	29

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73	Newborn pig ovarian tissue xenografted into Severe Combined Immunodeficient (SCID) mice acquires limited responsiveness to gonadotropins. Theriogenology, 2010, 74, 557-562.	0.9	1
74	No shortcuts to pig embryonic stem cells. Theriogenology, 2010, 74, 544-550.	0.9	39
75	Foreword. Theriogenology, 2010, 74, 491.	0.9	0
76	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
77	On-line publication of supplementary material. Theriogenology, 2009, 72, 1.	0.9	2
78	Parthenotes as a source of embryonic stem cells. Cell Proliferation, 2008, 41, 20-30.	2.4	50
79	Parthenogenesis as an Approach to Pluripotency: Advantages and Limitations Involved. Stem Cell Reviews and Reports, 2008, 4, 127-135.	5.6	21
80	Recent Progress in Embryonic Stem Cell Research and Its Application in Domestic Species. Reproduction in Domestic Animals, 2008, 43, 193-199.	0.6	42
81	Parthenogenetic Activation: Biology and Applications in the ART Laboratory. Placenta, 2008, 29, 121-125.	0.7	58
82	Developmental Potential of Human Oocytes After Slow Freezing or Vitrification: A Randomized In Vitro Study Based on Parthenogenesis. Reproductive Sciences, 2008, 15, 1027-1033.	1.1	8
83	Effects of pre-mating nutrition on mRNA levels of developmentally relevant genes in sheep oocytes and granulosa cells. Reproduction, 2008, 136, 303-312.	1.1	63
84	Aroclor-1254 affects mRNA polyadenylation, translational activation, cell morphology, and DNA integrity of rat primary prostate cells. Endocrine-Related Cancer, 2007, 14, 257-266.	1.6	15
85	Association between human oocyte developmental competence and expression levels of some cumulus genes. Reproduction, 2007, 134, 645-650.	1.1	164
86	Temporal and spatial control of gene expression in early embryos of farm animals. Reproduction, Fertility and Development, 2007, 19, 35.	0.1	40
87	Derivation and characterization of pluripotent cell lines from pig embryos of different origins. Theriogenology, 2007, 67, 54-63.	0.9	59
88	Porcine embryonic stem cells: Facts, challenges and hopes. Theriogenology, 2007, 68, S206-S213.	0.9	96
89	Cytoplasmic remodelling and the acquisition of developmental competence in pig oocytes. Animal Reproduction Science, 2007, 98, 23-38.	0.5	67
90	In vitro development of human oocytes after parthenogenetic activation or intracytoplasmic sperm injection. Fertility and Sterility, 2007, 87, 77-82.	0.5	66

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91	278 GENE EXPRESSION PROFILE OF OVINE OOCYTES AND CUMULUS CELLS WITH REFERENCE TO PREMATING NUTRITION. Reproduction, Fertility and Development, 2007, 19, 254.	0.1	1
92	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.	0.5	177
93	Editor's announcement. Theriogenology, 2006, 66, 1.	0.9	1
94	Cellular and molecular mechanisms mediating the effect of polychlorinated biphenyls on oocyte in vitro maturation. Reproductive Toxicology, 2006, 22, 242-249.	1.3	40
95	Effects of Endocrine Disrupters on the Oocytes and Embryos of Farm Animals. Reproduction in Domestic Animals, 2005, 40, 291-299.	0.6	43
96	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.	1.2	149
97	Los mecanismos celulares y moleculares que regulan la calidad del ovocito y su influencia en el rendimiento reproductivo del ganado. OIE Revue Scientifique Et Technique, 2005, 24, 413-423.	0.5	43
98	Role of Intracellular Cyclic Adenosine 3â€²,5â€²-Monophosphate Concentration and Oocyte-Cumulus Cells Communications on the Acquisition of the Developmental Competence During In Vitro Maturation of Bovine Oocyte1. Biology of Reproduction, 2004, 70, 465-472.	1.2	132
99	Expression pattern of the maternal factor zygote arrest 1 (Zar1) in bovine tissues, oocytes, and embryos. Molecular Reproduction and Development, 2004, 69, 375-380.	1.0	35
100	Cumulus-Oocyte Communications in the Horse: Role of the Breeding Season and of the Maturation Medium. Reproduction in Domestic Animals, 2004, 39, 70-75.	0.6	20
101	Changes in ovarian, follicular, and oocyte morphology immediately after the onset of puberty are not accompanied by an increase in oocyte developmental competence in the pig. Theriogenology, 2004, 62, 1003-1011.	0.9	33
102	The impact of endocrine disruptors on oocyte competence. Reproduction, 2003, 125, 313-325.	1.1	94
103	Toxic Effects of In Vitro Exposure to p-tert-Octylphenol on Bovine Oocyte Maturation and Developmental Competence1. Biology of Reproduction, 2003, 69, 462-468.	1.2	30
104	Quantification of Housekeeping Transcript Levels During the Development of Bovine Preimplantation Embryos1. Biology of Reproduction, 2002, 67, 1465-1472.	1.2	182
105	In vitro production of cattle-water buffalo (Bos taurus - Bubalus bubalis) hybrid embryos. Zygote, 2002, 10, 155-162.	0.5	19
106	Bovine Somatotropin Administration to Dairy Goats in Late Lactation: Effects on Mammary Gland Function, Composition and Morphology. Journal of Dairy Science, 2002, 85, 1093-1102.	1.4	32
107	Microdensitometric assay of enzymatic activities in parthenogenetically activated and in vitro fertilized bovine oocytes. Acta Histochemica, 2002, 104, 193-198.	0.9	3
108	Impact of endocrine disrupters on ovarian function and embryonic development. Domestic Animal Endocrinology, 2002, 23, 189-201.	0.8	22

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109	Evolution of mRNA polyadenylation between oocyte maturation and first embryonic cleavage in cattle and its relation with developmental competence. Molecular Reproduction and Development, 2002, 63, 510-517.	1.0	86
110	The maternal legacy to the embryo: cytoplasmic components and their effects on early development. Theriogenology, 2001, 55, 1255-1276.	0.9	182
111	The influence of cAMP before or during bovine oocyte maturation on embryonic developmental competence. Theriogenology, 2001, 55, 1733-1743.	0.9	50
112	Glucose transporter expression is developmentally regulated in in vitro derived bovine preimplantation embryos. Molecular Reproduction and Development, 2001, 60, 370-376.	1.0	93
113	Cellular and molecular mechanisms mediating the effects of polychlorinated biphenyls on oocyte developmental competence in cattle. Molecular Reproduction and Development, 2001, 60, 535-541.	1.0	39
114	In vitro reproductive toxicity of polychlorinated biphenyls: Effects on oocyte maturation and developmental competence in cattle. Molecular Reproduction and Development, 2001, 58, 411-416.	1.0	52
115	Effect of Cell-to-Cell Contact on In Vitro Deoxyribonucleic Acid Synthesis and Apoptosis Responses of Bovine Granulosa Cells to Insulin-Like Growth Factor-I and Epidermal Growth Factor1. Biology of Reproduction, 2000, 63, 1580-1585.	1.2	28
116	Sperm-mediated transgenesis. Theriogenology, 2000, 53, 127-137.	0.9	47
117	Molecular Cloning, Genetic Mapping, and Developmental Expression of Bovine POU5F11. Biology of Reproduction, 1999, 60, 1093-1103.	1.2	169
118	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.	1.0	105
119	Effect of different levels of intracellular cAMP on the in vitro maturation of cattle oocytes and their subsequent development following in vitro fertilization. Molecular Reproduction and Development, 1999, 54, 86-91.	1.0	103
120	Spermatozoa, DNA binding and transgenic animals. , 1998, 7, 147-155.		22
121	Comparative analysis of calf and cow oocytes during in vitro maturation. Molecular Reproduction and Development, 1998, 49, 168-175.	1.0	100
122	Correlations between chemical parameters, mitogenic activity and embryotrophic activity of bovine oviduct-conditioned medium. Theriogenology, 1997, 48, 659-673.	0.9	6
123	The in vitro developmental competence of bovine oocytes can be related to the morphology of the ovary. Theriogenology, 1997, 48, 1153-1160.	0.9	48
124	Failure to produce transgenic offspring by intra-tubal insemination of gilts with DNA-treated sperm. Reproduction, Fertility and Development, 1996, 8, 1055.	0.1	24
125	Functions of proteins secreted by oviduct epithelial cells. Microscopy Research and Technique, 1995, 32, 1-12.	1.2	55
126	Activin ?A subunit is expressed in bovine oviduct. Molecular Reproduction and Development, 1995, 40, 286-291.	1.0	30

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127	In Vitro development of preimplantation embryos from domestic species. Toxicology in Vitro, 1995, 9, 607-613.	1.1	3
128	Autocrine, paracrine and environmental factors influencing embryonic development from zygote to blastocyst. Theriogenology, 1994, 41, 95-100.	0.9	49
129	ROLE OF THE OVIDUCT DURING EARLY EMBRYOGENESIS. Reproduction in Domestic Animals, 1993, 28, 189-192.	0.6	10
130	Recent advances in sperm cell mediated gene transfer. Molecular Reproduction and Development, 1993, 36, 255-257.	1.0	38
131	Similarity of an oviduct-specific glycoprotein between different species. Reproduction, Fertility and Development, 1993, 5, 433.	0.1	20
132	Early embryonic signals: embryo-maternal interactions before implantation. Animal Reproduction Science, 1992, 28, 269-276.	0.5	23
133	In vitro culture of sheep oocytes matured and fertilized in vitro. Theriogenology, 1988, 29, 883-891.	0.9	36
134	Endogenous opioid peptides in uterine fluid. Fertility and Sterility, 1986, 46, 247-251.	0.5	63
135	Superovulation of dairy and beef cows using porcine FSH with defined LH content. Theriogenology, 1983, 20, 675-682.	0.9	4
136	Parthenogenesis and parthenogenetic stem cells. , 0, , 250-260.		0