Pasqualino Loi

List of Publications by Year
in descending order

77 papers	2,496 citations	201575 27 h-index	206029 48 g-index
80 all docs	80 docs citations	80 times ranked	1925 citing authors

#	Article	IF	Citations
1	Genetic rescue of an endangered mammal by cross-species nuclear transfer using post-mortem somatic cells. Nature Biotechnology, 2001, 19, 962-964.	9.4	387
2	Conservation of IGF2-H19 and IGF2R imprinting in sheep: effects of somatic cell nuclear transfer. Mechanisms of Development, 2003, 120, 1433-1442.	1.7	112
3	The effect of interspecific oocytes on demethylation of sperm DNA. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7636-7640.	3.3	112
4	Rewinding the process of mammalian extinction. Zoo Biology, 2016, 35, 280-292.	0.5	99
5	Offspring from One-Month-Old Lambs: Studies on the Developmental Capability of Prepubertal Oocytes1. Biology of Reproduction, 1999, 61, 1568-1574.	1.2	94
6	Embryonic Diapause Is Conserved across Mammals. PLoS ONE, 2012, 7, e33027.	1.1	94
7	Freeze-Dried Somatic Cells Direct Embryonic Development after Nuclear Transfer. PLoS ONE, 2008, 3, e2978.	1.1	82
8	Interspecies somatic cell nuclear transfer: a salvage tool seeking first aid. Theriogenology, 2011, 76, 217-228.	0.9	80
9	A New, Dynamic Era for Somatic Cell Nuclear Transfer?. Trends in Biotechnology, 2016, 34, 791-797.	4.9	77
10	Embryos and embryonic stem cells from the white rhinoceros. Nature Communications, 2018, 9, 2589.	5.8	73
11	Preservation of the Wild European Mouflon: The First Example of Genetic Management Using a Complete Program of Reproductive Biotechnologies. Biology of Reproduction, 2002, 66, 796-801.	1.2	71
12	Placental abnormalities associated with post-natal mortality in sheep somatic cell clones. Theriogenology, 2006, 65, 1110-1121.	0.9	69
13	Genomic imprinting in ruminants: allele-specific gene expression in parthenogenetic sheep. Mammalian Genome, 1998, 9, 831-834.	1.0	64
14	Nuclei of Nonviable Ovine Somatic Cells Develop into Lambs after Nuclear Transplantation. Biology of Reproduction, 2002, 67, 126-132.	1.2	56
15	Somatic cell nuclear transfer: failures, successes and the challenges ahead. International Journal of Developmental Biology, 2019, 63, 123-130.	0.3	53
16	Mitochondrial replacement: from basic research to assisted reproductive technology portfolio toolâ€"technicalities and possible risks. Molecular Human Reproduction, 2015, 21, 3-10.	1.3	43
17	Nucleus transfer in mammals: noninvasive approaches for the preparation of cytoplasts. Trends in Biotechnology, 2004, 22, 279-283.	4.9	42
18	Towards storage of cells and gametes in dry form. Trends in Biotechnology, 2013, 31, 688-695.	4.9	41

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19	Exogenous Expression of Human Protamine 1 (hPrm1) Remodels Fibroblast Nuclei into Spermatid-like Structures. Cell Reports, 2015, 13, 1765-1771.	2.9	39
20	Donor-Dependent Developmental Competence of Oocytes from Lambs Subjected to Repeated Hormonal Stimulation1. Biology of Reproduction, 2003, 69, 278-285.	1.2	38
21	Post-implantation mortality of in vitro produced embryos is associated with DNA methyltransferase 1 dysfunction in sheep placenta. Human Reproduction, 2013, 28, 298-305.	0.4	37
22	Cloning by somatic cell nuclear transfer. BioEssays, 1998, 20, 847-851.	1.2	36
23	Improving Delivery and Offspring Viability of In Vitro-Produced and Cloned Sheep Embryos1. Biology of Reproduction, 2002, 67, 1719-1725.	1.2	36
24	Developmental and functional evidence of nuclear immaturity in prepubertal oocytes. Human Reproduction, 2006, 21, 2228-2237.	0.4	36
25	Leukaemia inhibitory factor enhances sheep fertilization in vitro via an influence on the oocyte. Theriogenology, 2006, 65, 1891-1899.	0.9	35
26	Freeze-dried spermatozoa: An alternative biobanking option for endangered species. Animal Reproduction Science, 2018, 190, 85-93.	0.5	33
27	The ART of bringing extinction to a freeze â€“ History and future of species conservation, exemplified by rhinos. Theriogenology, 2021, 169, 76-88.	0.9	30
28	A short exposure to polychlorinated biphenyls deregulates cellular autophagy in mammalian blastocyst in vitro. Human Reproduction, 2012, 27, 1034-1042.	0.4	29
29	Cloning of endangered mammalian species: any progress?. Trends in Biotechnology, 2007, 25, 195-200.	4.9	27
30	Asymmetric nuclear reprogramming in somatic cell nuclear transfer?. BioEssays, 2008, 30, 66-74.	1.2	26
31	Embryo transfer and related technologies in sheep reproduction. Reproduction, Nutrition, Development, 1998, 38, 615-628.	1.9	25
32	Remodeling somatic nuclei via exogenous expression of protamine 1 to create spermatid-like structures for somatic nuclear transfer. Nature Protocols, 2016, 11, 2170-2188.	5.5	24
33	A Simplified Approach for Oocyte Enucleation in Mammalian Cloning. Cellular Reprogramming, 2013, 15, 490-494.	0.5	23
34	DNA fragmentation in epididymal freeze-dried ram spermatozoa impairs embryo development. Journal of Reproduction and Development, 2018, 64, 393-400.	0.5	21
35	Impaired Placental Vasculogenesis Compromises the Growth of Sheep Embryos Developed In Vitro1. Biology of Reproduction, 2014, 91, 21.	1.2	20
36	Genomic Stability of Lyophilized Sheep Somatic Cells before and after Nuclear Transfer. PLoS ONE, 2013, 8, e51317.	1.1	19

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37	Exploring dry storage as an alternative biobanking strategy inspired by Nature. Theriogenology, 2019, 126, 17-27.	0.9	19
38	Maternal peri-conceptional undernourishment perturbs offspring sperm methylome. Reproduction, 2020, 159, 513-523.	1.1	18
39	Late Embryogenesis Abundant (LEA) proteins confer water stress tolerance to mammalian somatic cells. Cryobiology, 2020, 92, 189-196.	0.3	17
40	Hope for the Mammoth?. Cloning and Stem Cells, 2009, 11, 1-4.	2.6	15
41	Differentiation potential and GFP labeling of sheep bone marrowâ€derived mesenchymal stem cells. Journal of Cellular Biochemistry, 2013, 114, 134-143.	1.2	15
42	Plasma membrane and acrosome loss before ICSI is required for sheep embryonic development. Journal of Assisted Reproduction and Genetics, 2016, 33, 757-763.	1.2	15
43	Programming of Embryonic Development. International Journal of Molecular Sciences, 2021, 22, 11668.	1.8	15
44	Dry biobanking as a conservation tool in the Anthropocene. Theriogenology, 2020, 150, 130-138.	0.9	14
45	Whole genome integrity and enhanced developmental potential in ram freeze-dried spermatozoa at mild sub-zero temperature. Scientific Reports, 2020, 10, 18873.	1.6	12
46	Development of Sheep Androgenetic Embryos Is Boosted following Transfer of Male Pronuclei into Androgenetic Hemizygotes. Cloning and Stem Cells, 2007, 9, 374-381.	2.6	11
47	Synergies between assisted reproduction technologies and functional genomics. Genetics Selection Evolution, 2016, 48, 53.	1.2	11
48	Genome-Wide Epigenetic Characterization of Tissues from Three Germ Layers Isolated from Sheep Fetuses. Frontiers in Genetics, 2017, 8, 115.	1.1	11
49	The nucleolus-like and precursor bodies of mammalian oocytes and embryos and their possible role in post-fertilization centromere remodelling. Biochemical Society Transactions, 2020, 48, 581-593.	1.6	11
50	Efficient Production and Cellular Characterization of Sheep Androgenetic Embryos. Cellular Reprogramming, 2011, 13, 495-502.	0.5	10
51	Evidence of Placental Autophagy during Early Pregnancy after Transfer of In Vitro Produced (IVP) Sheep Embryos. PLoS ONE, 2016, 11, e0157594.	1.1	10
52	Nuclear quiescence and histone hyper-acetylation jointly improve protamine-mediated nuclear remodeling in sheep fibroblasts. PLoS ONE, 2018, 13, e0193954.	1.1	10
53	Function of atypical mammalian oocyte/zygote nucleoli and its implications for reproductive biology and medicine. International Journal of Developmental Biology, 2019, 63, 105-112.	0.3	9
54	Cybrid human embryos â€“ warranting opportunities to augment embryonic stem cell research. Trends in Biotechnology, 2008, 26, 469-474.	4.9	8

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55	Cloning the Mammoth: A Complicated Task or Just a Dream?. Advances in Experimental Medicine and Biology, 2014, 753, 489-502.	0.8	8
56	The impaired development of sheep ICSI derived embryos is not related to centriole dysfunction. Theriogenology, 2021, 159, 7-12.	0.9	8
57	Transplantation of nucleoli into human zygotes: not as simple as expected?. Journal of Assisted Reproduction and Genetics, 2011, 28, 385-389.	1.2	7
58	Amphibian and mammal somatic-cell cloning: different species, common results?. Trends in Biotechnology, 2003, 21, 471-473.	4.9	6
59	Autophagy and apoptosis: parent-of-origin genome-dependent mechanisms of cellular self-destruction. Open Biology, 2014, 4, 140027.	1.5	6
60	Controlled spermatozoaâ€“oocyte interaction improves embryo quality in sheep. Scientific Reports, 2021, 11, 22629.	1.6	6
61	The ups and downs of somatic cell nucleus transfer (SCNT) in humans. Journal of Assisted Reproduction and Genetics, 2013, 30, 1055-1058.	1.2	5
62	Sheep: The First Large Animal Model in Nuclear Transfer Research. Cellular Reprogramming, 2013, 15, 367-373.	0.5	5
63	Dissecting the role of the germinal vesicle nuclear envelope and soluble content in the process of somatic cell remodelling and reprogramming. Journal of Reproduction and Development, 2019, 65, 433-441.	0.5	5
64	Scientific and technological approaches to improve SCNT efficiency in farm animals and pets. Reproduction, 2021, 162, F33-F43.	1.1	5
65	Long-term storage of gametes and gonadal tissues at room temperatures: the end of the ice age?. Journal of Assisted Reproduction and Genetics, 2022, 39, 321-325.	1.2	5
66	Nuclear reprogramming: what has been done and potential avenues for improvements. Open Life Sciences, 2008, 3, 211-223.	0.6	3
67	The absence of a DNA replication checkpoint in porcine zygotes. Zygote, 2006, 14, 33-37.	0.5	2
68	Development to term of sheep embryos reconstructed after inner cell mass/trophoblast exchange. Journal of Reproduction and Development, 2018, 64, 187-191.	0.5	2
69	Interspecific ICSI for the Assessment of Sperm DNA Damage: Technology Report. Animals, 2021, 11, 1250.	1.0	2
70	Epigenetic Mechanisms in Mammals and Their Effects on Cloning Procedures. , 2009, , 559-579.		2
71	Genome of non-living cells: trash or recycle?. Reproduction, 2011, 142, 497-503.	1.1	1
72	Nucleus reprogramming/remodeling through selective enucleation (SE) of immature oocytes and zygotes: a nucleolus point of view. Journal of Reproduction and Development, 2022, 68, 165-172.	0.5	1

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73	Short Communication: Maternal undernutrition during peri-conceptional period affects whole genome ovine muscle methylation in adult offspring. Journal of Animal Science, 2022, , .	0.2	1
74	Cloning advances and challenges for conservation. Trends in Biotechnology, 2002, 20, 233.	4.9	0
75	Gene Expression/Phenotypic Abnormalities in Placental Tissues of Sheep Clones: Insurmountable Block in Cloning Progress?. Epigenetics and Human Health, 2011, , 85-96.	0.2	0
76	Cloning Endangered Species. , 2014, , 353-365.		0
77	Nuclear Transfer Technology and Its Use in Reproductive Medicine. , 2021, , 148-153.		0