Gabor Vajta

List of Publications by Year in descending order

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59 papers	5,903 citations	94269 37 h-index	143772 57 g-index
59 all docs	59 docs citations	59 times ranked	4250 citing authors

#	Article	IF	Citations
1	Highly efficient vitrification method for cryopreservation of human oocytes. Reproductive BioMedicine Online, 2005, 11, 300-308.	1.1	1,030
2	Comparison of open and closed methods for vitrification of human embryos and the elimination of potential contamination. Reproductive BioMedicine Online, 2005, 11, 608-614.	1.1	471
3	The use of pigs in neuroscience: Modeling brain disorders. Neuroscience and Biobehavioral Reviews, 2007, 31, 728-751.	2.9	418
4	Are programmable freezers still needed in the embryo laboratory? Review on vitrification. Reproductive BioMedicine Online, 2006, 12, 779-796.	1.1	347
5	Improving cryopreservation systems. Theriogenology, 2006, 65, 236-244.	0.9	241
6	Predictive value of oocyte morphology in human IVF: a systematic review of the literature. Human Reproduction Update, 2011, 17, 34-45.	5.2	230
7	Consistent and predictable delivery rates after oocyte vitrification: an observational longitudinal cohort multicentric study. Human Reproduction, 2012, 27, 1606-1612.	0.4	218
8	Familial Hypercholesterolemia and Atherosclerosis in Cloned Minipigs Created by DNA Transposition of a Human PCSK9 Gain-of-Function Mutant. Science Translational Medicine, 2013, 5, 166ra1.	5.8	170
9	Somatic Cell Cloning without Micromanipulators. Cloning, 2001, 3, 89-95.	2.1	164
10	Hemizygous minipigs produced by random gene insertion and handmade cloning express the Alzheimerâ€™s disease-causing dominant mutation APPsw. Transgenic Research, 2009, 18, 545-558.	1.3	159
11	Cumulative ongoing pregnancy rate achieved with oocyte vitrification and cleavage stage transfer without embryo selection in a standard infertility program. Human Reproduction, 2010, 25, 1199-1205.	0.4	139
12	Handmade Somatic Cell Cloning in Cattle: Analysis of Factors Contributing to High Efficiency In Vitro1. Biology of Reproduction, 2003, 68, 571-578.	1.2	134
13	Open versus closed systems for vitrification of human oocytes and embryos. Reproductive BioMedicine Online, 2015, 30, 325-333.	1.1	114
14	The Well-of-the-Well system: an efficient approach to improve embryo development. Reproductive BioMedicine Online, 2008, 17, 73-81.	1.1	109
15	Reduction of multiple pregnancies in the advanced maternal age population after implementation of an elective single embryo transfer policy coupled with enhanced embryo selection: pre- and post-intervention study. Human Reproduction, 2015, 30, 2097-2106.	0.4	105
16	An Epigenetic Modifier Results in Improved In Vitro Blastocyst Production after Somatic Cell Nuclear Transfer. Cloning and Stem Cells, 2007, 9, 357-363.	2.6	97
17	Pregnancy achieved by transfer of a single blastocyst selected by time-lapse monitoring. Reproductive BioMedicine Online, 2010, 21, 533-536.	1.1	90
18	Somatic cell nuclear transfer in pigs: recent achievements and future possibilities. Reproduction, Fertility and Development, 2007, 19, 403.	0.1	85

#	Article	IF	Citations
19	High efficiency of BRCA1 knockout using rAAV-mediated gene targeting: developing a pig model for breast cancer. Transgenic Research, 2011, 20, 975-988.	1.3	85
20	Piglets cloned from induced pluripotent stem cells. Cell Research, 2013, 23, 162-166.	5.7	84
21	Science and technology of farm animal cloning: State of the art. Animal Reproduction Science, 2006, 92, 211-230.	0.5	83
22	Prediction of in-vitro developmental competence of early cleavage-stage mouse embryos with compact time-lapse equipment. Reproductive BioMedicine Online, 2010, 20, 371-379.	1.1	81
23	Post-hatching development of the porcine and bovine embryoâ€"defining criteria for expected development in vivo and in vitro. Theriogenology, 2006, 65, 153-165.	0.9	80
24	Embryo culture: can we perform better than nature?. Reproductive BioMedicine Online, 2010, 20, 453-469.	1.1	79
25	The Efficacy and Safety of Human Oocyte Vitrification. Seminars in Reproductive Medicine, 2009, 27, 450-455.	0.5	77
26	Handmade cloning: the future way of nuclear transfer?. Trends in Biotechnology, 2007, 25, 250-253.	4.9	69
27	Pig transgenesis by Sleeping Beauty DNA transposition. Transgenic Research, 2011, 20, 533-545.	1.3	59
28	Comparison of two approaches to nuclear transfer in the bovine: hand-made cloning with modifications and the conventional nuclear transfer technique. Reproduction, Fertility and Development, 2005, 17, 573.	0.1	58
29	Production of a healthy calf by somatic cell nuclear transfer without micromanipulators and carbon dioxide incubators using the Handmade Cloning (HMC) and the Submarine Incubation System (SIS). Theriogenology, 2004, 62, 1465-1472.	0.9	57
30	Production of the first offspring from oocytes derived from fresh and cryopreserved pre-antral follicles of adult mice. Reproductive BioMedicine Online, 2007, 14, 693-699.	1.1	53
31	A Comparison of Established and New Approaches in Ovine and Bovine Nuclear Transfer. Cloning and Stem Cells, 2003, 5, 257-277.	2.6	49
32	Efficacy of Porcine Gonadotropins for Repeated Stimulation of Ovarian Activity for Oocyte Retrieval and In Vitro Embryo Production and Cryopreservation in Siberian Tigers (Panthera tigris altaica)1. Biology of Reproduction, 2003, 68, 105-113.	1.2	48
33	Handmade Cloned Transgenic Sheep Rich in Omega-3 Fatty Acids. PLoS ONE, 2013, 8, e55941.	1.1	47
34	Safety and efficiency of oocyte vitrification. Cryobiology, 2017, 78, 119-127.	0.3	46
35	Factors affecting survival rates of in vitro produced bovine embryos after vitrification and direct in-straw rehydration. Animal Reproduction Science, 1996, 45, 191-200.	0.5	44
36	Osmotic stress induced by sodium chloride, sucrose or trehalose improves cryotolerance and developmental competence of porcine oocytes. Reproduction, Fertility and Development, 2009, 21, 338.	0.1	44

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37	Zona-free embryo culture: is it a viable option to improve pregnancy rates?. Reproductive BioMedicine Online, 2010, 21, 17-25.	1.1	44
38	High Hydrostatic Pressure Treatment of Porcine Oocytes before Handmade Cloning Improves Developmental Competence and Cryosurvival. Cloning and Stem Cells, 2008, 10, 325-330.	2.6	41
39	Piglets Born from Vitrified Cloned Blastocysts Produced with a Simplified Method of Delipation and Nuclear Transfer. Cloning and Stem Cells, 2007, 9, 469-476.	2.6	35
40	Cryopreservation of porcine embryos: state of the art. Livestock Science, 2003, 83, 73-83.	1.2	34
41	Double vitrification of rat embryos at different developmental stages using an identical protocol. Theriogenology, 2003, 60, 445-452.	0.9	33
42	Rapid growth and elongation of bovine blastocysts in vitro in a three-dimensional gel system. Theriogenology, 2004, 62, 1253-1263.	0.9	32
43	Vitrification in human and domestic animal embryology: work in progress. Reproduction, Fertility and Development, 2013, 25, 719.	0.1	32
44	Factors Determining the Efficiency of Porcine Somatic Cell Nuclear Transfer: Data Analysis with Over 200,000 Reconstructed Embryos. Cellular Reprogramming, 2015, 17, 463-471.	0.5	32
45	Ribosomal Ribonucleic Acid Is Transcribed at the 4-Cell Stage in In Vitro-Produced Bovine Embryos1. Biology of Reproduction, 1998, 59, 626-631.	1.2	27
46	Elevated NaCl concentration improves cryotolerance and developmental competence of porcine oocytes. Reproductive BioMedicine Online, 2009, 18, 360-366.	1.1	22
47	Vitrification of human mature oocytes in clinical practice. Reproductive BioMedicine Online, 2009, 19, 85-103.	1.1	19
48	Somatic cell nuclear transfer in its first and second decades: successes, setbacks, paradoxes and perspectives. Reproductive BioMedicine Online, 2007, 15, 582-590.	1.1	18
49	High Pregnancy and Calving Rates with a Limited Number of Transferred Handmade Cloned Bovine Embryos. Cellular Reprogramming, 2018, 20, 4-8.	0.5	13
50	Cell Colony Formation Induced by Xenopus Egg Extract as a Marker for Improvement of Cloned Blastocyst Formation in the Pig. Cellular Reprogramming, 2011, 13, 521-526.	0.5	12
51	Cloning: A Sleeping Beauty Awaiting the Kiss?. Cellular Reprogramming, 2018, 20, 145-156.	0.5	11
52	From a backup technology to a strategy-outlining approach: the success story of cryopreservation. Expert Review of Obstetrics and Gynecology, 2013, 8, 181-190.	0.4	9
53	Mechanical zona pellucida removal of vitrified-warmed human blastocysts does not affect the clinical outcome. Reproductive BioMedicine Online, 2019, 39, 745-749.	1.1	8
54	Vitrification in ART: past, present, and future. Theriogenology, 2020, 150, 276-279.	0.9	5

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55	Contamination of single-straw carrier for vitrification. Fertility and Sterility, 2011, 95, e69.	0.5	4
56	Oocyte Cryopreservation Technique. , 2018, , 87-101.		3
57	Back to the future: optimised microwell culture of individual human preimplantation stage embryos. Journal of Assisted Reproduction and Genetics, 2021, 38, 2563-2574.	1.2	2
58	An Alternative Way to Improve Mammalian Embryo Development In Vitro: Culture of Zona Pellucida-Free Embryos. Cellular Reprogramming, 2022, 24, 111-117.	0.5	2
59	A Simple and Efficient Solution to Eliminate Evaporation in Mammalian Embryo Cultures. Cellular Reprogramming, 2021, 23, 316-318.	0.5	1