

Masashi Nagano

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

1,087
citations

471061

17
h-index

552369

26
g-index

85
all docs

85
docs citations

85
times ranked

1267
citing authors

#	ARTICLE	IF	CITATIONS
1	Low oxygen environment and astaxanthin supplementation promote the developmental competence of bovine oocytes derived from early antral follicles during 8 days of in vitro growth in a gas-permeable culture device. <i>Theriogenology</i> , 2022, 177, 116-126.	0.9	6
2	Effects of heat stress on the endometrial epidermal growth factor profile and fertility in dairy cows. <i>Journal of Reproduction and Development</i> , 2022, 68, 144-151.	0.5	5
3	Semen collection by urethral catheterization and electro-ejaculation with different voltages, and the effect of holding temperature and cooling rate before cryopreservation on semen quality in the Japanese macaque (<i>Macaca fuscata</i>). <i>Journal of Veterinary Medical Science</i> , 2022, 84, 429-438.	0.3	0
4	Leptin receptor expression and its change in association with the normalization of EGF profile after seminal plasma treatment in repeat breeder dairy cows. <i>Journal of Reproduction and Development</i> , 2022, 68, 209-215.	0.5	2
5	Plasma profile of follicle-stimulating hormone and sex steroid hormones after a single epidural administration of follicle-stimulating hormone via caudal vertebrae in Holstein dry cows. <i>Animal Science Journal</i> , 2022, 93, e13696.	0.6	1
6	Effects of milk osteopontin on the endometrial epidermal growth factor profile and restoration of fertility in repeat breeder dairy cows. <i>Theriogenology</i> , 2022, 184, 26-33.	0.9	5
7	Relationship between the timing of insemination based on estrus detected by the automatic activity monitoring system and conception rates using sex-sorted semen in Holstein dairy cattle. <i>Journal of Reproduction and Development</i> , 2022, 68, 295-298.	0.5	2
8	Macrophage ubiquitin-specific protease 2 contributes to motility, hyperactivation, capacitation, and in vitro fertilization activity of mouse sperm. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2929-2948.	2.4	11
9	Deciphering two rounds of cell lineage segregations during bovine preimplantation development. <i>FASEB Journal</i> , 2021, 35, e21904.	0.2	14
10	Postpartum cows showed high oocyte triacylglycerols concurrently with high plasma free fatty acids. <i>Theriogenology</i> , 2021, 176, 174-182.	0.9	3
11	Theca cells can support bovine oocyte growth in vitro without the addition of steroid hormones. <i>Theriogenology</i> , 2020, 142, 41-47.	0.9	11
12	Lipidomic profiling of dairy cattle oocytes by high performance liquid chromatography-high resolution tandem mass spectrometry for developmental competence markers. <i>Theriogenology</i> , 2020, 144, 56-66.	0.9	10
13	Effect of increased oxygen availability and astaxanthin supplementation on the growth, maturation and developmental competence of bovine oocytes derived from early antral follicles. <i>Theriogenology</i> , 2020, 157, 341-349.	0.9	8
14	Implications of ram sperm rheotaxis analysed by microfluidics for fertility. <i>Reproduction in Domestic Animals</i> , 2020, 55, 1541-1547.	0.6	6
15	Effect of seminal plasma infusion into the vagina on the normalization of endometrial epidermal growth factor concentrations and fertility in repeat breeder dairy cows. <i>Journal of Reproduction and Development</i> , 2020, 66, 149-154.	0.5	11
16	Follicle priming by FSH and pre-maturation culture to improve oocyte quality in vivo and in vitro. <i>Theriogenology</i> , 2020, 150, 122-129.	0.9	6
17	Relationship between the timing of the first postpartum ovulation and antral follicle counts in Holstein cows. <i>Journal of Ovarian Research</i> , 2020, 13, 7.	1.3	3
18	Monitoring follicular dynamics to determine estrus type and timing of ovulation induction in captive brown bears (<i>Ursus arctos</i>). <i>Journal of Reproduction and Development</i> , 2020, 66, 563-570.	0.5	2

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19	Astaxanthin improves the developmental competence of in vitro-grown oocytes and modifies the steroidogenesis of granulosa cells derived from bovine early antral follicles. <i>Reproduction, Fertility and Development</i> , 2019, 31, 272.	0.1	19
20	Relationships between the antral follicle count, steroidogenesis, and secretion of follicle-stimulating hormone and anti-Müllerian hormone during follicular growth in cattle. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 88.	1.4	16
21	Trophectoderm regeneration to support full-term development in the inner cell mass isolated from bovine blastocyst. <i>Journal of Biological Chemistry</i> , 2019, 294, 19209-19223.	1.6	20
22	Monitoring follicular dynamics using ultrasonography in captive brown bears (<i>Ursus arctos</i>) during the breeding season. <i>Theriogenology</i> , 2019, 140, 164-170.	0.9	2
23	Acquisition of developmental competence and <i>in vitro</i> growth culture of bovine oocytes. <i>Journal of Reproduction and Development</i> , 2019, 65, 195-201.	0.5	18
24	Effects of follicle-stimulating hormone followed by gonadotropin-releasing hormone on embryo production by ovum pickup and in vitro fertilization in the river buffalo (<i>Bubalus bubalis</i>). <i>Animal Science Journal</i> , 2019, 90, 690-695.	0.6	13
25	Significance of <i>CCN2</i> expression in bovine preimplantation development. <i>Animal Science Journal</i> , 2019, 90, 49-54.	0.6	2
26	Generation and validation of novel anti-bovine CD163 monoclonal antibodies ABM-1A9 and ABM-2D6. <i>Veterinary Immunology and Immunopathology</i> , 2018, 198, 6-13.	0.5	2
27	Testosterone-related and seasonal changes in sebaceous glands in the back skin of adult male brown bears (<i>Ursus arctos</i>). <i>Canadian Journal of Zoology</i> , 2018, 96, 205-211.	0.4	13
28	Effect of a single epidural administration of follicle-stimulating hormone via caudal vertebrae on superstimulation for <i>in vivo</i> and <i>in vitro</i> embryo production in Japanese black cows. <i>Journal of Reproduction and Development</i> , 2018, 64, 451-455.	0.5	8
29	Relationship between the antral follicle count in bovine ovaries from a local abattoir and steroidogenesis of granulosa cells cultured as oocyte-cumulus-granulosa complexes. <i>Journal of Reproduction and Development</i> , 2018, 64, 503-510.	0.5	10
30	Effects of pre-maturational culture duration on developmental competence of bovine small-sized oocytes. <i>Journal of Reproduction and Development</i> , 2018, 64, 365-369.	0.5	7
31	Hot topic: Pregnancy-induced expression of interferon-stimulated genes in the cervical and vaginal mucosal membranes. <i>Journal of Dairy Science</i> , 2018, 101, 8396-8400.	1.4	18
32	CYP2C76 deficiency is embryonic lethal in cynomolgus macaques: The potential role of CYP2C76 in early embryogenesis. <i>Drug Metabolism and Pharmacokinetics</i> , 2017, 32, 112-115.	1.1	0
33	Relationship between <i>in vitro</i> growth of bovine oocytes and steroidogenesis of granulosa cells cultured in medium supplemented with bone morphogenetic protein-4 and follicle stimulating hormone. <i>Theriogenology</i> , 2017, 97, 113-123.	0.9	19
34	Extension of the culture period for the <i>in vitro</i> growth of bovine oocytes in the presence of bone morphogenetic protein-4 increases oocyte diameter, but impairs subsequent developmental competence. <i>Animal Science Journal</i> , 2017, 88, 1686-1691.	0.6	7
35	Evolution of the sperm methylome of primates is associated with retrotransposon insertions and genome instability. <i>Human Molecular Genetics</i> , 2017, 26, 3508-3519.	1.4	16
36	Pyridoxine supplementation during oocyte maturation improves the development and quality of bovine preimplantation embryos. <i>Theriogenology</i> , 2017, 91, 127-133.	0.9	4

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37	Early germinal vesicle breakdown is a predictor of high preimplantation developmental competent oocytes in mice. <i>Zygote</i> , 2017, 25, 41-48.	0.5	6
38	Enhancement of sperm motility and viability by turmeric by-product dietary supplementation in roosters. <i>Animal Reproduction Science</i> , 2017, 185, 195-204.	0.5	11
39	Intrauterine infection with bovine leukemia virus in pregnant dam with high viral load. <i>Journal of Veterinary Medical Science</i> , 2017, 79, 2036-2039.	0.3	21
40	Comparison of sperm subpopulation structures in first and second ejaculated semen from Japanese black bulls by a cluster analysis of sperm motility evaluated by a CASA system. <i>Journal of Veterinary Medical Science</i> , 2017, 79, 1359-1365.	0.3	11
41	Estrous cycle stage-dependent manner of type I interferon-stimulated genes induction in the bovine endometrium. <i>Journal of Reproduction and Development</i> , 2017, 63, 211-220.	0.5	12
42	The relationship between antral follicle count in a bovine ovary and developmental competence of in vitro-grown oocytes derived from early antral follicles. <i>Biomedical Research</i> , 2016, 37, 63-71.	0.3	16
43	Expression dynamics of bovine <i>MX</i> genes in the endometrium and placenta during early to mid pregnancy. <i>Journal of Reproduction and Development</i> , 2016, 62, 29-35.	0.5	20
44	Development of a new device for artificial insemination in cynomolgus macaques. <i>Journal of Reproduction and Development</i> , 2016, 62, 527-529.	0.5	2
45	Conserved roles of fibroblast growth factor receptor 2 signaling in the regulation of inner cell mass development in bovine blastocysts. <i>Molecular Reproduction and Development</i> , 2016, 83, 516-525.	1.0	13
46	Effect of bone morphogenetic protein-4 on in vitro growth, steroidogenesis and subsequent developmental competence of the oocyte-granulosa cell complex derived from bovine early antral follicles. <i>Reproductive Biology and Endocrinology</i> , 2016, 14, 3.	1.4	13
47	Simultaneous evaluation of plasma membrane integrity, acrosomal integrity, and mitochondrial membrane potential in bovine spermatozoa by flow cytometry. <i>Zygote</i> , 2016, 24, 529-536.	0.5	4
48	AN EPIZOOTIC OF EMERGING NOVEL AVIAN POX IN CARRION CROWS (<i>CORVUS CORONE</i>) AND LARGE-BILLED CROWS (<i>CORVUS MACRORHYNCHOS</i>) IN JAPAN. <i>Journal of Wildlife Diseases</i> , 2016, 52, 230-241.	0.3	8
49	Mitochondrial activity during pre-maturational culture in in vitro-grown bovine oocytes is related to maturational and developmental competences. <i>Reproduction, Fertility and Development</i> , 2016, 28, 349.	0.1	22
50	Addition of D-penicillamine, hypotaurine, and epinephrine (PHE) mixture to IVF medium maintains motility and longevity of bovine sperm and enhances stable production of blastocysts in vitro. <i>Journal of Reproduction and Development</i> , 2015, 61, 99-105.	0.5	23
51	Fertilizability of oocytes derived from Holstein cows having different antral follicle counts in ovaries. <i>Animal Reproduction Science</i> , 2015, 163, 172-178.	0.5	15
52	The efficacy of the well of the well (WOW) culture system on development of bovine embryos in a small group and the effect of number of adjacent embryos on their development. <i>Zygote</i> , 2015, 23, 412-415.	0.5	9
53	Accessory corpora lutea formation in pregnant Hokkaido sika deer (<i>Cervus nippon</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5 concentrations. <i>Journal of Reproduction and Development</i> , 2015, 61, 61-66.	0.5	12
54	Comparing spatial expression dynamics of bovine blastocyst under three different procedures: in-vivo, in-vitro derived, and somatic cell nuclear transfer embryos. <i>Japanese Journal of Veterinary Research</i> , 2015, 63, 159-71.	0.7	8

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55	Prematurational Culture with 3-Isobutyl-1-methylxanthine Synchronizes Meiotic Progression of the Germinal Vesicle Stage and Improves Nuclear Maturation and Embryonic Development in <i>In Vitro</i> -grown Bovine Oocytes. <i>Journal of Reproduction and Development</i> , 2014, 60, 9-13.	0.5	9
56	Aging-related Changes in <i>In Vitro</i> -matured Bovine Oocytes: Oxidative Stress, Mitochondrial Activity and ATP Content After Nuclear Maturation. <i>Journal of Reproduction and Development</i> , 2014, 60, 136-142.	0.5	36
57	Estimation of the Optimal Timing of Fertilization for Embryo Development of <i>In Vitro</i> -Matured Bovine Oocytes Based on the Times of Nuclear Maturation and Sperm Penetration. <i>Journal of Veterinary Medical Science</i> , 2014, 76, 653-659.	0.3	10
58	Effects of <i>in vitro</i> -growth culture duration on fertilizability of bovine growing oocytes and proliferation of cells surrounding oocytes. <i>Japanese Journal of Veterinary Research</i> , 2014, 62, 135-41.	0.7	3
59	Cryopreservation of zebrafish (<i>Danio rerio</i>) primordial germ cells by vitrification of yolk-intact and yolk-depleted embryos using various cryoprotectant solutions. <i>Cryobiology</i> , 2013, 67, 374-382.	0.3	13
60	Effects of <i>in vitro</i> growth culture duration and prematurational culture on maturational and developmental competences of bovine oocytes derived from early antral follicles. <i>Theriogenology</i> , 2013, 80, 793-799.	0.9	40
61	The Effects of Frequent Electroejaculation on the Semen Characteristics of a Captive Siberian Tiger (<i>Panthera tigris altaica</i>). <i>Journal of Reproduction and Development</i> , 2013, 59, 491-495.	0.5	6
62	Reproductive biology of the coypu, <i>Myocastor coypus</i> (Rodentia: Myocastoridae) in western Japan. <i>Zoologia</i> , 2013, 30, 130-134.	0.5	5
63	<i>In vitro</i> maturation system for individual culture of bovine oocytes using micro-volume multi-well plate. <i>Japanese Journal of Veterinary Research</i> , 2013, 61, 149-54.	0.7	18
64	Prediction of maturational competence of feline oocytes using supravital staining of cumulus cells by propidium iodide. <i>Zygote</i> , 2012, 20, 333-337.	0.5	3
65	The Effect of Ovarian Status and Follicular Diameter on Maturational Ability of Domestic Cat Oocytes. <i>Journal of Veterinary Medical Science</i> , 2011, 73, 561-566.	0.3	10
66	Effect of Butylated Hydroxytoluene on Dog Sperm Longevity in Chilling Storage and Cryopreservation. <i>Journal of Veterinary Medical Science</i> , 2011, 73, 895-899.	0.3	14
67	Measurement of pO ₂ in cultured mouse oocytes using electron paramagnetic resonance oximetry. <i>Biomedical Research</i> , 2010, 31, 165-168.	0.3	2
68	Production of fertile zebrafish (<i>Danio rerio</i>) possessing germ cells (gametes) originated from primordial germ cells recovered from vitrified embryos. <i>Reproduction</i> , 2010, 139, 733-740.	1.1	43
69	A Case of Persistent Mullerian Duct Syndrome with Sertoli Cell Tumor and Hydrometra in a dog. <i>Journal of Veterinary Medical Science</i> , 2009, 71, 379-381.	0.3	28
70	Novel variations and loss of heterozygosity of BRCA2 identified in a dog with mammary tumors. <i>American Journal of Veterinary Research</i> , 2008, 69, 1323-1328.	0.3	16
71	The Relationship Between Oocyte Morphology and Ovarian Status in Cattle. <i>Journal of Reproduction and Development</i> , 2007, 53, 953-958.	0.5	7
72	Effects of isolation method and pre-treatment with ethylene glycol or raffinose before vitrification on <i>in vitro</i> viability of mouse preantral follicles. <i>Biomedical Research</i> , 2007, 28, 153-160.	0.3	23

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73	ATP content and maturational/developmental ability of bovine oocytes with various cytoplasmic morphologies. <i>Zygote</i> , 2006, 14, 299-304.	0.5	75
74	Relationship between bovine oocyte morphology and in vitro developmental potential. <i>Zygote</i> , 2006, 14, 53-61.	0.5	73
75	Analysis of Genetic Variations in the Exon 27 Region of the Canine BRCA2 Locus. <i>Journal of Veterinary Medical Science</i> , 2005, 67, 1013-1017.	0.3	15
76	Insertion/deletion polymorphism in the BRCA2 nuclear localization signal. <i>Biomedical Research</i> , 2005, 26, 109-116.	0.3	17
77	In Vitro Culture of Mouse Preantral Follicles Using Membrane Inserts and Developmental Competence of In Vitro Ovulated Oocytes. <i>Journal of Reproduction and Development</i> , 2004, 50, 579-586.	0.5	31
78	Follicular development after ovum pick-up and fertilizability of retrieved oocytes in postpartum dairy cattle. <i>Japanese Journal of Veterinary Research</i> , 2004, 51, 151-9.	0.7	4
79	Effects of oxygen tension in the gas atmosphere during in vitro maturation, in vitro fertilization and in vitro culture on the efficiency of in vitro production of mouse embryos. <i>Japanese Journal of Veterinary Research</i> , 2004, 52, 77-84.	0.7	23
80	Effect of Fusion/Activation Protocol on In Vitro Development of Porcine Nuclear Transfer Embryos Constructed with Foreign Gene-Transfected Fetal Fibroblasts. <i>Journal of Veterinary Medical Science</i> , 2003, 65, 989-994.	0.3	7
81	In Vitro Growth of Mouse Ovarian Preantral Follicles and the Capacity of Their Oocytes to Develop to the Blastocyst Stage.. <i>Journal of Veterinary Medical Science</i> , 2001, 63, 619-624.	0.3	14
82	Immunolocalization of Transforming Growth Factor-.BETA.1 in the Ovarian Follicular Compartments of the Adult Mouse at Diestrus, Proestrus and after Treatment with Human Chorionic Gonadotropin.. <i>Journal of Reproduction and Development</i> , 2001, 47, 91-96.	0.5	0
83	In Vitro Fertilization and Cortical Granule Distribution of Bovine Oocytes Having Heterogeneous Ooplasm with Dark Clusters.. <i>Journal of Veterinary Medical Science</i> , 1999, 61, 531-535.	0.3	15
84	The Efficacy of the Water Purification System with an Ultra Violet Lamp and Ultrafilter for the Preparation of Bovine Embryo Culture Media.. <i>Journal of Reproduction and Development</i> , 1999, 45, 239-242.	0.5	1
85	The effects of PHE mixture, theophylline, and sperm concentrations on fertilization and development of bovine oocytes in vitro. <i>Reproduction Abstracts</i> , 0, , .	0.0	0