

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 | ATP content and maturational/developmental ability of bovine oocytes with various cytoplasmic morphologies. <i>Zygote</i> , 2006, 14, 299-304. | 0.5 | 75 |
| 2 | Relationship between bovine oocyte morphology and in vitro developmental potential. <i>Zygote</i> , 2006, 14, 53-61. | 0.5 | 73 |
| 3 | 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 |
| 4 | Effects of in vitro growth culture duration and prematuration culture on maturational and developmental competences of bovine oocytes derived from early antral follicles. <i>Theriogenology</i> , 2013, 80, 793-799. | 0.9 | 40 |
| 5 | Aging-related Changes in In Vitro-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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Effects of isolation method and pre-treatment with ethylene glycol or raffinose before vitrification on in vitro viability of mouse preantral follicles. <i>Biomedical Research</i> , 2007, 28, 153-160. | 0.3 | 23 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Expression dynamics of bovine MX 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 |
| 14 | 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 |
| 15 | Relationship between in vitro 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Acquisition of developmental competence and in vitro growth culture of bovine oocytes. <i>Journal of Reproduction and Development</i> , 2019, 65, 195-201. | 0.5 | 18 |

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|----|--|-----|-----------|
| 19 | In vitro maturation system for individual culture of bovine oocytes using micro-volume multi-well plate. Japanese Journal of Veterinary Research, 2013, 61, 149-54. | 0.7 | 18 |
| 20 | Insertion/deletion polymorphism in the BRCA2 nuclear localization signal. Biomedical Research, 2005, 26, 109-116. | 0.3 | 17 |
| 21 | Novel variations and loss of heterozygosity of BRCA2 identified in a dog with mammary tumors. American Journal of Veterinary Research, 2008, 69, 1323-1328. | 0.3 | 16 |
| 22 | The relationship between antral follicle count in a bovine ovary and developmental competence of <i>in vitro</i>-grown oocytes derived from early antral follicles . Biomedical Research, 2016, 37, 63-71. | 0.3 | 16 |
| 23 | Evolution of the sperm methylome of primates is associated with retrotransposon insertions and genome instability. Human Molecular Genetics, 2017, 26, 3508-3519. | 1.4 | 16 |
| 24 | Relationships between the antral follicle count, steroidogenesis, and secretion of follicle-stimulating hormone and anti-Möllerian hormone during follicular growth in cattle. Reproductive Biology and Endocrinology, 2019, 17, 88. | 1.4 | 16 |
| 25 | In Vitro Fertilization and Cortical Granule Distribution of Bovine Oocytes Having Heterogeneous Ooplasm with Dark Clusters.. Journal of Veterinary Medical Science, 1999, 61, 531-535. | 0.3 | 15 |
| 26 | Analysis of Genetic Variations in the Exon 27 Region of the Canine BRCA2 Locus. Journal of Veterinary Medical Science, 2005, 67, 1013-1017. | 0.3 | 15 |
| 27 | Fertilizability of oocytes derived from Holstein cows having different antral follicle counts in ovaries. Animal Reproduction Science, 2015, 163, 172-178. | 0.5 | 15 |
| 28 | In Vitro Growth of Mouse Ovarian Preantral Follicles and the Capacity of Their Oocytes to Develop to the Blastocyst Stage.. Journal of Veterinary Medical Science, 2001, 63, 619-624. | 0.3 | 14 |
| 29 | Effect of Butylated Hydroxytoluene on Dog Sperm Longevity in Chilling Storage and Cryopreservation. Journal of Veterinary Medical Science, 2011, 73, 895-899. | 0.3 | 14 |
| 30 | Deciphering two rounds of cell lineage segregations during bovine preimplantation development. FASEB Journal, 2021, 35, e21904. | 0.2 | 14 |
| 31 | Cryopreservation of zebrafish (Danio rerio) primordial germ cells by vitrification of yolk-intact and yolk-depleted embryos using various cryoprotectant solutions. Cryobiology, 2013, 67, 374-382. | 0.3 | 13 |
| 32 | Conserved roles of fibroblast growth factor receptor 2 signaling in the regulation of inner cell mass development in bovine blastocysts. Molecular Reproduction and Development, 2016, 83, 516-525. | 1.0 | 13 |
| 33 | 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. Reproductive Biology and Endocrinology, 2016, 14, 3. | 1.4 | 13 |
| 34 | Testosterone-related and seasonal changes in sebaceous glands in the back skin of adult male brown bears (Ursus arctos). Canadian Journal of Zoology, 2018, 96, 205-211. | 0.4 | 13 |
| 35 | Effects of follicleästimulating hormone followed by gonadotropinäreleasing hormone on embryo production by ovum pickäup and in vitro fertilization in the river buffalo (<i>Bubalus bubalis</i>). Animal Science Journal, 2019, 90, 690-695. | 0.6 | 13 |
| 36 | Estrous cycle stage-dependent manner of type I interferon-stimulated genes induction in the bovine endometrium. Journal of Reproduction and Development, 2017, 63, 211-220. | 0.5 | 12 |

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|----|---|-----|-----------|
| 37 | Accessory corpora lutea formation in pregnant Hokkaido sika deer (<i>Cervus nippon</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5 concentrations. Journal of Reproduction and Development, 2015, 61, 61-66. | 0.5 | 12 |
| 38 | Enhancement of sperm motility and viability by turmeric by-product dietary supplementation in roosters. Animal Reproduction Science, 2017, 185, 195-204. | 0.5 | 11 |
| 39 | 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. Journal of Veterinary Medical Science, 2017, 79, 1359-1365. | 0.3 | 11 |
| 40 | Theca cells can support bovine oocyte growth in vitro without the addition of steroid hormones. Theriogenology, 2020, 142, 41-47. | 0.9 | 11 |
| 41 | Effect of seminal plasma infusion into the vagina on the normalization of endometrial epidermal growth factor concentrations and fertility in repeat breeder dairy cows. Journal of Reproduction and Development, 2020, 66, 149-154. | 0.5 | 11 |
| 42 | Macrophage ubiquitin-specific protease 2 contributes to motility, hyperactivation, capacitation, and in vitro fertilization activity of mouse sperm. Cellular and Molecular Life Sciences, 2021, 78, 2929-2948. | 2.4 | 11 |
| 43 | The Effect of Ovarian Status and Follicular Diameter on Maturational Ability of Domestic Cat Oocytes. Journal of Veterinary Medical Science, 2011, 73, 561-566. | 0.3 | 10 |
| 44 | 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. Journal of Veterinary Medical Science, 2014, 76, 653-659. | 0.3 | 10 |
| 45 | Relationship between the antral follicle count in bovine ovaries from a local abattoir and steroidogenesis of granulosa cells cultured as oocyte-cumulus-granulosa complexes. Journal of Reproduction and Development, 2018, 64, 503-510. | 0.5 | 10 |
| 46 | Lipidomic profiling of dairy cattle oocytes by high performance liquid chromatography-high resolution tandem mass spectrometry for developmental competence markers. Theriogenology, 2020, 144, 56-66. | 0.9 | 10 |
| 47 | 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. Journal of Reproduction and Development, 2014, 60, 9-13. | 0.5 | 9 |
| 48 | 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. Zygote, 2015, 23, 412-415. | 0.5 | 9 |
| 49 | AN EPIZOOTIC OF EMERGING NOVEL AVIAN POX IN CARRION CROWS (<i>CORVUS CORONE</i>) AND LARGE-BILLED CROWS (<i>CORVUS MACRORHYNCHOS</i>) IN JAPAN. Journal of Wildlife Diseases, 2016, 52, 230-241. | 0.3 | 8 |
| 50 | 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. Journal of Reproduction and Development, 2018, 64, 451-455. | 0.5 | 8 |
| 51 | Effect of increased oxygen availability and astaxanthin supplementation on the growth, maturation and developmental competence of bovine oocytes derived from early antral follicles. Theriogenology, 2020, 157, 341-349. | 0.9 | 8 |
| 52 | Comparing spatial expression dynamics of bovine blastocyst under three different procedures: in-vivo, in-vitro derived, and somatic cell nuclear transfer embryos. Japanese Journal of Veterinary Research, 2015, 63, 159-71. | 0.7 | 8 |
| 53 | Effect of Fusion/Activation Protocol on In Vitro Development of Porcine Nuclear Transfer Embryos Constructed with Foreign Gene-Transfected Fetal Fibroblasts. Journal of Veterinary Medical Science, 2003, 65, 989-994. | 0.3 | 7 |
| 54 | The Relationship Between Oocyte Morphology and Ovarian Status in Cattle. Journal of Reproduction and Development, 2007, 53, 953-958. | 0.5 | 7 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | Implications of ram sperm rheotaxis analysed by microfluidics for fertility. <i>Reproduction in Domestic Animals</i> , 2020, 55, 1541-1547. | 0.6 | 6 |
| 60 | Follicle priming by FSH and pre-maturation culture to improve oocyte quality <i>in vivo</i> and <i>in vitro</i> . <i>Theriogenology</i> , 2020, 150, 122-129. | 0.9 | 6 |
| 61 | Low oxygen environment and astaxanthin supplementation promote the developmental competence of bovine oocytes derived from early antral follicles during 8 days of <i>in vitro</i> growth in a gas-permeable culture device. <i>Theriogenology</i> , 2022, 177, 116-126. | 0.9 | 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 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | Pyridoxine supplementation during oocyte maturation improves the development and quality of bovine preimplantation embryos. <i>Theriogenology</i> , 2017, 91, 127-133. | 0.9 | 4 |
| 67 | 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 |
| 68 | 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 |
| 69 | 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 |
| 70 | Postpartum cows showed high oocyte triacylglycerols concurrently with high plasma free fatty acids. <i>Theriogenology</i> , 2021, 176, 174-182. | 0.9 | 3 |
| 71 | 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 |
| 72 | Measurement of pO ₂ in cultured mouse oocytes using electron paramagnetic resonance oximetry. <i>Biomedical Research</i> , 2010, 31, 165-168. | 0.3 | 2 |

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|----|--|-----|-----------|
| 73 | Development of a new device for artificial insemination in cynomolgus macaques. Journal of Reproduction and Development, 2016, 62, 527-529. | 0.5 | 2 |
| 74 | Generation and validation of novel anti-bovine CD163 monoclonal antibodies ABM-1A9 and ABM-2D6. Veterinary Immunology and Immunopathology, 2018, 198, 6-13. | 0.5 | 2 |
| 75 | Monitoring follicular dynamics using ultrasonography in captive brown bears (<i>Ursus arctos</i>) during the breeding season. Theriogenology, 2019, 140, 164-170. | 0.9 | 2 |
| 76 | Significance of <i>CCN2</i> expression in bovine preimplantation development. Animal Science Journal, 2019, 90, 49-54. | 0.6 | 2 |
| 77 | Monitoring follicular dynamics to determine estrus type and timing of ovulation induction in captive brown bears (<i>Ursus arctos</i>). Journal of Reproduction and Development, 2020, 66, 563-570. | 0.5 | 2 |
| 78 | Leptin receptor expression and its change in association with the normalization of EGF profile after seminal plasma treatment in repeat breeder dairy cows. Journal of Reproduction and Development, 2022, 68, 209-215. | 0.5 | 2 |
| 79 | 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. Journal of Reproduction and Development, 2022, 68, 295-298. | 0.5 | 2 |
| 80 | The Efficacy of the Water Purification System with an Ultra Violet Lamp and Ultrafilter for the Preparation of Bovine Embryo Culture Media.. Journal of Reproduction and Development, 1999, 45, 239-242. | 0.5 | 1 |
| 81 | 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. Animal Science Journal, 2022, 93, e13696. | 0.6 | 1 |
| 82 | CYP2C76 deficiency is embryonic lethal in cynomolgus macaques: The potential role of CYP2C76 in early embryogenesis. Drug Metabolism and Pharmacokinetics, 2017, 32, 112-115. | 1.1 | 0 |
| 83 | Immunolocalization of Transforming Growth Factor- β 1 in the Ovarian Follicular Compartments of the Adult Mouse at Diestrus, Proestrus and after Treatment with Human Chorionic Gonadotropin.. Journal of Reproduction and Development, 2001, 47, 91-96. | 0.5 | 0 |
| 84 | The effects of PHE mixture, theophylline, and sperm concentrations on fertilization and development of bovine oocytes in vitro. Reproduction Abstracts, 0, , . | 0.0 | 0 |
| 85 | 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>). Journal of Veterinary Medical Science, 2022, 84, 429-438. | 0.3 | 0 |