

Yuta Ishizuka

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

2,329
citations

236925

25
h-index

265206

42
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101
all docs

101
docs citations

101
times ranked

2915
citing authors

#	ARTICLE	IF	CITATIONS
1	Methyl-Beta-Cyclodextrin Improves Fertilizing Ability of C57BL/6 Mouse Sperm after Freezing and Thawing by Facilitating Cholesterol Efflux from the Cells1. <i>Biology of Reproduction</i> , 2008, 78, 546-551.	2.7	154
2	Reduced Glutathione Enhances Fertility of Frozen/Thawed C57BL/6 Mouse Sperm after Exposure to Methyl-Beta-Cyclodextrin1. <i>Biology of Reproduction</i> , 2011, 85, 1066-1072.	2.7	148
3	Simple and Efficient Vitrification Procedure for Cryopreservation of Mouse Embryos.. <i>Experimental Animals</i> , 1997, 46, 231-234.	1.1	106
4	Positive Effect of Partial Zona-Pellucida Dissection on the in Vitro Fertilizing Capacity of Cryopreserved C57BL/6J Transgenic Mouse Spermatozoa of Low Motility. <i>Biology of Reproduction</i> , 1997, 57, 1050-1055.	2.7	96
5	Superovulation Using the Combined Administration of Inhibin Antiserum and Equine Chorionic Gonadotropin Increases the Number of Ovulated Oocytes in C57BL/6 Female Mice. <i>PLoS ONE</i> , 2015, 10, e0128330.	2.5	92
6	Cryopreservation of Mouse Spermatozoa from Inbred and F<SUB>1</SUB> Hybrid Strains. <i>Experimental Animals</i> , 1993, 42, 317-320.	1.1	78
7	CD163 Is Required for Protumoral Activation of Macrophages in Human and Murine Sarcoma. <i>Cancer Research</i> , 2018, 78, 3255-3266.	0.9	75
8	Cardiomyocyte Sirt (Sirtuin) 7 Ameliorates Stress-Induced Cardiac Hypertrophy by Interacting With and Deacetylating GATA4. <i>Hypertension</i> , 2020, 75, 98-108.	2.7	74
9	VMAT2 identified as a regulator of late-stage $\hat{2}$ -cell differentiation. <i>Nature Chemical Biology</i> , 2014, 10, 141-148.	8.0	63
10	Hlf marks the developmental pathway for hematopoietic stem cells but not for erythro-myeloid progenitors. <i>Journal of Experimental Medicine</i> , 2019, 216, 1599-1614.	8.5	53
11	Degradation of amyloid beta by human induced pluripotent stem cell-derived macrophages expressing Nephrylsin-2. <i>Stem Cell Research</i> , 2014, 13, 442-453.	0.7	52
12	Cryopreservation of Mouse Spermatozoa and In Vitro Fertilization. <i>Methods in Molecular Biology</i> , 2011, 693, 57-73.	0.9	49
13	Production of knockout mice by DNA microinjection of various CRISPR/Cas9 vectors into freeze-thawed fertilized oocytes. <i>BMC Biotechnology</i> , 2015, 15, 33.	3.3	45
14	Lineage-specific RUNX2 super-enhancer activates MYC and promotes the development of blastic plasmacytoid dendritic cell neoplasm. <i>Nature Communications</i> , 2019, 10, 1653.	12.8	34
15	Intracerebroventricular Infusion of Angiotensin-(1 \hat{e} 7) Ameliorates Cognitive Impairment and Memory Dysfunction in a Mouse Model of Alzheimer \hat{e} ™s Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 127-133.	2.6	33
16	Applications of cryopreserved unfertilized mouse oocytes for in vitro fertilization. <i>Cryobiology</i> , 2013, 67, 188-192.	0.7	32
17	Tissue \hat{e} specific roles of FGF signaling in external genitalia development. <i>Developmental Dynamics</i> , 2015, 244, 759-773.	1.8	32
18	Region-specific regulation of cell proliferation by FGF receptor signaling during the Wolffian duct development. <i>Developmental Biology</i> , 2015, 400, 139-147.	2.0	30

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19	History of cryobiology, with special emphasis in evolution of mouse sperm cryopreservation. <i>Cryobiology</i> , 2018, 82, 57-63.	0.7	30
20	Zinc Deficiency via a Splice Switch in Zinc Importer ZIP2/SLC39A2 Causes Cystic Fibrosis-Associated MUC5AC Hypersecretion in Airway Epithelial Cells. <i>EBioMedicine</i> , 2018, 27, 304-316.	6.1	29
21	Murine neonatal ketogenesis preserves mitochondrial energetics by preventing protein hyperacetylation. <i>Nature Metabolism</i> , 2021, 3, 196-210.	11.9	29
22	Systematic stereoscopic analyses for cloacal development: The origin of anorectal malformations. <i>Scientific Reports</i> , 2015, 5, 13943.	3.3	28
23	Transient Mild Cerebral Ischemia Significantly Deteriorated Cognitive Impairment in a Mouse Model of Alzheimer's Disease via Angiotensin AT1 Receptor. <i>American Journal of Hypertension</i> , 2017, 30, 141-150.	2.0	28
24	Studies on Cryopreservation of Embryos and Gametes in Mice. <i>Experimental Animals</i> , 1995, 44, 1-8.	1.1	27
25	Long-term cryopreservation of mouse sperm. <i>Theriogenology</i> , 2006, 66, 1098-1101.	2.1	26
26	Loss of Folliculin Disrupts Hematopoietic Stem Cell Quiescence and Homeostasis Resulting in Bone Marrow Failure. <i>Stem Cells</i> , 2016, 34, 1068-1082.	3.2	25
27	Establishment of a transport system for mouse epididymal sperm at refrigerated temperatures. <i>Cryobiology</i> , 2012, 65, 163-168.	0.7	24
28	Production of Normal Young Following Insemination of Frozen-thawed Mouse Spermatozoa into Fallopian Tubes of Pseudopregnant Females. <i>Experimental Animals</i> , 1992, 41, 519-522.	1.1	22
29	Dimethyl sulfoxide and quercetin prolong the survival, motility, and fertility of cold-stored mouse sperm for 10 days. <i>Biology of Reproduction</i> , 2017, 97, 883-891.	2.7	22
30	STAT3 inhibition attenuates the progressive phenotypes of Alport syndrome mouse model. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 214-223.	0.7	22
31	Folliculin Regulates Osteoclastogenesis Through Metabolic Regulation. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1785-1798.	2.8	21
32	Influence of Npc1 genotype on the toxicity of hydroxypropyl- β -cyclodextrin, a potentially therapeutic agent, in Niemann-Pick Type C disease models. <i>Molecular Genetics and Metabolism Reports</i> , 2014, 1, 19-30.	1.1	20
33	Intracerebroventricular Treatment with 2-Hydroxypropyl- β -Cyclodextrin Decreased Cerebellar and Hepatic Glycoprotein Nonmetastatic Melanoma Protein B (GPNMB) Expression in Niemann-Pick Disease Type C Model Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 452.	4.1	20
34	Short-term storage and transport at cold temperatures of 2-cell mouse embryos produced by cryopreserved sperm. <i>Journal of the American Association for Laboratory Animal Science</i> , 2010, 49, 415-9.	1.2	20
35	Midline-derived Shh regulates mesonephric tubule formation through the paraxial mesoderm. <i>Developmental Biology</i> , 2014, 386, 216-226.	2.0	19
36	Current Activities of CARD as an International Core Center for Mouse Resources. <i>Experimental Animals</i> , 2009, 58, 343-350.	1.1	18

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37	Genetic analysis of the role of Alx4 in the coordination of lower body and external genitalia formation. <i>European Journal of Human Genetics</i> , 2014, 22, 350-357.	2.8	18
38	Investigations of motility and fertilization potential in thawed cryopreserved mouse sperm from cold-stored epididymides. <i>Cryobiology</i> , 2014, 68, 12-17.	0.7	18
39	Cysteine Analogs with a Free Thiol Group Promote Fertilization by Reducing Disulfide Bonds in the Zona Pellucida of Mice1. <i>Biology of Reproduction</i> , 2015, 92, 90.	2.7	18
40	<scp>GANP</scp> protein encoded on human chromosome 21/mouse chromosome 10 is associated with resistance to mammary tumor development. <i>Cancer Science</i> , 2016, 107, 469-477.	3.9	18
41	Metformin ameliorates the severity of experimental Alport syndrome. <i>Scientific Reports</i> , 2021, 11, 7053.	3.3	18
42	The improvement in fertilizing ability of cryopreserved mouse spermatozoa using laser-microdissected oocytes. <i>Reproductive Medicine and Biology</i> , 2006, 5, 249-253.	2.4	17
43	Pharmacological and genetic reappraisals of protease and oxidative stress pathways in a mouse model of obstructive lung diseases. <i>Scientific Reports</i> , 2016, 6, 39305.	3.3	17
44	Immunotherapy using inhibin antiserum enhanced the efficacy of equine chorionic gonadotropin on superovulation in major inbred and outbred mice strains. <i>Theriogenology</i> , 2016, 86, 1341-1346.	2.1	17
45	A novel splice site mutation of myosin VI in mice leads to stereociliary fusion caused by disruption of actin networks in the apical region of inner ear hair cells. <i>PLoS ONE</i> , 2017, 12, e0183477.	2.5	17
46	In Vitro and In Vivo Evaluation of 6-O- β -Maltosyl- β -Cyclodextrin as a Potential Therapeutic Agent Against Niemann-Pick Disease Type C. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1152.	4.1	17
47	Fertility of cold-stored mouse sperm is recovered by promoting acrosome reaction and hyperactivation after cholesterol efflux by methyl-beta-cyclodextrin. <i>Biology of Reproduction</i> , 2017, 96, 446-455.	2.7	16
48	The CARD Method for Mouse Sperm Cryopreservation and In Vitro Fertilization Using Frozen-Thawed Sperm. <i>Methods in Molecular Biology</i> , 2019, 1874, 243-256.	0.9	16
49	β -1-Acid Glycoprotein Enhances the Immunosuppressive and Protumor Functions of Tumor-Associated Macrophages. <i>Cancer Research</i> , 2021, 81, 4545-4559.	0.9	16
50	Effects of cyclodextrins on GM1-gangliosides in fibroblasts from GM1-gangliosidosis patients. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1133-1142.	2.4	15
51	In vivo Efficacy and Safety Evaluation of Lactosyl- β -cyclodextrin as a Therapeutic Agent for Hepatomegaly in Niemann-Pick Type C Disease. <i>Nanomaterials</i> , 2019, 9, 802.	4.1	15
52	Mesenchymal actomyosin contractility is required for androgen-driven urethral masculinization in mice. <i>Communications Biology</i> , 2019, 2, 95.	4.4	15
53	Higher Blood Uric Acid in Female Humans and Mice as a Protective Factor against Pathophysiological Decline of Lung Function. <i>Antioxidants</i> , 2020, 9, 387.	5.1	15
54	Tsukushi is essential for the development of the inner ear. <i>Molecular Brain</i> , 2020, 13, 29.	2.6	14

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55	Dysfunction of the proteoglycan Tsukushi causes hydrocephalus through altered neurogenesis in the subventricular zone in mice. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	14
56	Prolonged exposure to hyaluronidase decreases the fertilization and development rates of fresh and cryopreserved mouse oocytes. <i>Journal of Reproduction and Development</i> , 2014, 60, 454-459.	1.4	13
57	Involvement of vasopressin V1b receptor in anti-anxiety action of SSRI and SNRI in mice. <i>Neuroscience Research</i> , 2010, 66, 233-237.	1.9	12
58	N-acetyl cysteine prolonged the developmental ability of mouse two-cell embryos against oxidative stress at refrigerated temperatures. <i>Cryobiology</i> , 2016, 72, 198-204.	0.7	12
59	Bmp4 is an essential growth factor for the initiation of genital tubercle (GT) outgrowth. <i>Congenital Anomalies (discontinued)</i> , 2020, 60, 15-21.	0.6	12
60	Successful selection of mouse sperm with high viability and fertility using microfluidics chip cell sorter. <i>Scientific Reports</i> , 2020, 10, 8862.	3.3	12
61	Differential mode of cholesterol inclusion with 2-hydroxypropyl- β -cyclodextrins increases safety margin in treatment of Niemann-Pick disease type C. <i>British Journal of Pharmacology</i> , 2021, 178, 2727-2746.	5.4	12
62	VMAT2 Safeguards β -Cells Against Dopamine Cytotoxicity Under High-Fat Diet-Induced Stress. <i>Diabetes</i> , 2020, 69, 2377-2391.	0.6	11
63	Tamoxifen feeding method is suitable for efficient conditional knockout. <i>Experimental Animals</i> , 2021, 70, 91-100.	1.1	11
64	A synthetic retinoic acid receptor agonist Am80 ameliorates renal fibrosis via inducing the production of alpha-1-acid glycoprotein. <i>Scientific Reports</i> , 2020, 10, 11424.	3.3	10
65	N-acetyl cysteine restores the fertility of vitrified-warmed mouse oocytes derived through ultrasuperovulation. <i>PLoS ONE</i> , 2019, 14, e0224087.	2.5	9
66	Azithromycin Inhibits Constitutive Airway Epithelial Sodium Channel Activation & in Vitro and Modulates Downstream Pathogenesis & in Vivo. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 725-730.	1.4	9
67	Ovulation of juvenile, mature, and aged female C57BL/6 mice following coadministration of inhibin antiserum and equine chorionic gonadotropin. <i>Theriogenology</i> , 2019, 135, 1-6.	2.1	8
68	Sirt7 Deficiency Attenuates Neointimal Formation Following Vascular Injury by Modulating Vascular Smooth Muscle Cell Proliferation. <i>Circulation Journal</i> , 2021, 85, 2232-2240.	1.6	8
69	Auto-measure emphysematous parameters and pathophysiological gene expression profiles in experimental mouse models of acute and chronic obstructive pulmonary diseases. <i>Journal of Pharmacological Sciences</i> , 2019, 140, 113-119.	2.5	7
70	Cryopreservation of mouse resources. <i>Laboratory Animal Research</i> , 2020, 36, 33.	2.5	7
71	An acute phase protein α 1-acid glycoprotein mitigates AKI and its progression to CKD through its anti-inflammatory action. <i>Scientific Reports</i> , 2021, 11, 7953.	3.3	7
72	Advanced Oxidation Protein Products Contribute to Renal Tubulopathy via Perturbation of Renal Fatty Acids. <i>Kidney360</i> , 2020, 1, 781-796.	2.1	6

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73	RUNX1-ETO (RUNX1-RUNX1T1) induces myeloid leukemia in mice in an age-dependent manner. <i>Leukemia</i> , 2021, 35, 2983-2988.	7.2	6
74	Sexual fate of murine external genitalia development: Conserved transcriptional competency for male-biased genes in both sexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	6
75	Establishment of sperm cryopreservation and in vitro fertilisation protocols for rats. <i>Scientific Reports</i> , 2020, 10, 93.	3.3	5
76	The CARD Method for Simple Vitrification of Mouse Oocytes: Advantages and Applications. <i>Methods in Molecular Biology</i> , 2019, 1874, 229-242.	0.9	4
77	Androgen/Wnt/ β -catenin signal axis augments cell proliferation of the mouse erectile tissue, corpus cavernosum. <i>Congenital Anomalies (discontinued)</i> , 2022, 62, 123-133.	0.6	4
78	Cryobanking and Recovery of Genetically Modified Mice. <i>Methods in Molecular Biology</i> , 2020, 2066, 195-209.	0.9	3
79	Changes in expression of C2cd4c in pancreatic endocrine cells during pancreatic development. <i>FEBS Letters</i> , 2016, 590, 2584-2593.	2.8	2
80	Basic mouse reproductive techniques developed and modified at the Center for Animal Resources and Development (CARD), Kumamoto University. <i>Experimental Animals</i> , 2019, 68, 391-395.	1.1	2
81	Efficient production of immunodeficient non-obese diabetic/Shi-scid IL2 γ null mice via the superovulation technique using inhibin antiserum and gonadotropin. <i>Laboratory Animals</i> , 2021, 55, 13-20.	1.0	2
82	Species Difference in Hydrolysis of an Ester-type Prodrug of Levodopa in Human and Animal Plasma: Different Contributions of Alpha-1 Acid Glycoprotein. <i>Molecular Pharmaceutics</i> , 2021, 18, 1985-1991.	4.6	2
83	Induction of oestrus by administering Inhibin antiserum along with equine chorionic gonadotropin in anoestrous bitches. <i>Reproduction in Domestic Animals</i> , 2021, 56, 1398-1405.	1.4	2
84	Simple transport and cryopreservation of cold-stored mouse embryos. <i>Experimental Animals</i> , 2020, 69, 423-429.	1.1	2
85	Effects of a Hemizygous Deletion of Mouse Chromosome 2 on the Hematopoietic and Intestinal Tumorigenesis. <i>Journal of Toxicologic Pathology</i> , 2004, 17, 105-112.	0.7	2
86	Different response between production of free radicals induced by central and peripheral administration of interleukin-1 β in conscious rats. <i>Neuroscience Research</i> , 2008, 60, 10-14.	1.9	1
87	Quercetin-treated rat sperm enables refrigerated transport with motility and fertility for five days. <i>Scientific Reports</i> , 2021, 11, 22641.	3.3	1
88	Gene trapping reveals a new transcriptionally active genome element: The chromosome-specific clustered trap region. <i>Genes To Cells</i> , 2021, 26, 874-890.	1.2	0
89	Successful blastocyst production by intracytoplasmic injection of sperm after <i>in vitro</i> ; maturation of follicular oocytes obtained from immature female squirrel monkeys (<i>Saimiri boliviensis</i>). <i>Journal of Reproduction and Development</i> , 2021, 67, 265-272.	1.4	0
90	Characterization of Hematopoietic Stem/Progenitor Property of Cells in the Culture of the Mouse Aorta-Gonad-Mesonephros Region.. <i>Blood</i> , 2005, 106, 3620-3620.	1.4	0

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91	Effect of Maltosyl-Beta-cyclodextrin on in vitro and in vivo models of Niemann-Pick disease type C. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-8-13.	0.0	0
92	Intracerebroventricular 2-hydroxypropyl- β -cyclodextrin improves not only neurological symptoms but also hepatic abnormalities in Niemann-Pick disease type C model mice and patients. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-8-12.	0.0	0
93	Simple Transportation of Genetically Engineered Mice via Cold Storage Techniques. Methods in Molecular Biology, 2020, 2066, 211-216.	0.9	0