Wataru Fujii

List of Publications by Year in descending order

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64 papers	1,404 citations	393982 19 h-index	344852 36 g-index
65 all docs	65 docs citations	65 times ranked	2112 citing authors

#	Article	IF	Citations
1	Efficient generation of large-scale genome-modified mice using gRNA and CAS9 endonuclease. Nucleic Acids Research, 2013, 41, e187-e187.	6.5	197
2	Development of a genome editing technique using the CRISPR/Cas9 system in the industrial filamentous fungus Aspergillus oryzae. Biotechnology Letters, 2016, 38, 637-642.	1.1	181
3	Generation of muscular dystrophy model rats with a CRISPR/Cas system. Scientific Reports, 2014, 4, 5635.	1.6	119
4	Forced Recycling of an AMA1-Based Genome-Editing Plasmid Allows for Efficient Multiple Gene Deletion/Integration in the Industrial Filamentous Fungus Aspergillus oryzae. Applied and Environmental Microbiology, 2019, 85, .	1.4	82
5	Efficient generation of genome-modified mice via offset-nicking by CRISPR/Cas system. Biochemical and Biophysical Research Communications, 2014, 445, 791-794.	1.0	60
6	Application of dead endâ€knockout zebrafish as recipients of germ cell transplantation. Molecular Reproduction and Development, 2017, 84, 1100-1111.	1.0	55
7	Development of a mono-promoter-driven CRISPR/Cas9 system in mammalian cells. Scientific Reports, 2016, 5, 18341.	1.6	51
8	Characterization of mRNA profiles of the exosome-like vesicles in porcine follicular fluid. PLoS ONE, 2019, 14, e0217760.	1.1	51
9	Effects of exosome-like vesicles on cumulus expansion in pigs <i>in vitro</i>. Journal of Reproduction and Development, 2017, 63, 51-58.	0.5	35
10	High-fidelity endonuclease variant HypaCas9 facilitates accurate allele-specific gene modification in mouse zygotes. Communications Biology, 2019, 2, 371.	2.0	32
11	Herpes simplex virus-1 evasion of CD8+ T cell accumulation contributes to viral encephalitis. Journal of Clinical Investigation, 2017, 127, 3784-3795.	3.9	32
12	Mast cellâ€“derived prostaglandin D 2 attenuates anaphylactic reactions in mice. Journal of Allergy and Clinical Immunology, 2017, 140, 630-632.e9.	1.5	28
13	CDK7 and CCNH Are Components of CDK-Activating Kinase and Are Required for Meiotic Progression of Pig Oocytes1. Biology of Reproduction, 2011, 85, 1124-1132.	1.2	27
14	Cooperative Effects of 17Î²-Estradiol and Oocyte-Derived Paracrine Factors on the Transcriptome of Mouse Cumulus Cells. Endocrinology, 2013, 154, 4859-4872.	1.4	27
15	One-step Generation of Phenotype-expressing Triple-knockout Mice with Heritable Mutated Alleles by the CRISPR/Cas9 System. Journal of Reproduction and Development, 2014, 60, 324-327.	0.5	24
16	A critical role of solute carrier 22a14 in sperm motility and male fertility in mice. Scientific Reports, 2016, 6, 36468.	1.6	23
17	Highly efficient gene targeting in <i>Aspergillus oryzae</i> industrial strains under <i>ligD</i> mutation introduced by genome editing: Strain-specific differences in the effects of deleting EcdR, the negative regulator of sclerotia formation. Journal of General and Applied Microbiology, 2017, 63, 172-178.	0.4	23
18	Repeatable Construction Method for Engineered Zinc Finger Nuclease Based on Overlap Extension PCR and TA-Cloning. PLoS ONE, 2013, 8, e59801.	1.1	20

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19	Zygote-mediated generation of genome-modified mice using Streptococcus thermophilus 1-derived CRISPR/Cas system. Biochemical and Biophysical Research Communications, 2016, 477, 473-476.	1.0	20
20	Production of Germ Cell-Less Rainbow Trout by dead end Gene Knockout and their Use as Recipients for Germ Cell Transplantation. Marine Biotechnology, 2022, 24, 417-429.	1.1	19
21	GPR62 constitutively activates cAMP signaling but is dispensable for male fertility in mice. Reproduction, 2017, 154, 755-764.	1.1	17
22	Generation of mouse model of TGFBI-R124C corneal dystrophy using CRISPR/Cas9-mediated homology-directed repair. Scientific Reports, 2020, 10, 2000.	1.6	17
23	Discoidin domain receptor 2 (DDR2) regulates body size and fat metabolism in mice. Transgenic Research, 2014, 23, 165-175.	1.3	16
24	The essential role of phosphoâ€T38 CPIâ€17 in the maintenance of physiological blood pressure using genetically modified mice. FASEB Journal, 2018, 32, 2095-2109.	0.2	15
25	Contributions of UBE2C and UBE2S to meiotic progression of porcine oocytes. Journal of Reproduction and Development, 2018, 64, 253-259.	0.5	15
26	Generation of genetically modified mice using SpCas9-NG engineered nuclease. Scientific Reports, 2019, 9, 12878.	1.6	15
27	Cytoplasmic Anchoring of cAMP-Dependent Protein Kinase (PKA) by A-Kinase Anchor Proteins (AKAPs) Is Required for Meiotic Arrest of Porcine Full-Grown and Growing Oocytes1. Biology of Reproduction, 2014, 90, 58.	1.2	13
28	Tetraploid Embryonic Stem Cells Maintain Pluripotency and Differentiation Potency into Three Germ Layers. PLoS ONE, 2015, 10, e0130585.	1.1	13
29	Chd9 mediates highly loosened chromatin structure in growing mouse oocytes. Biochemical and Biophysical Research Communications, 2018, 500, 583-588.	1.0	13
30	Oocytes suppress FOXL2 expression in cumulus cells in miceâ€. Biology of Reproduction, 2020, 103, 85-93.	1.2	12
31	Exogenous Adenosine Reduces the Mitochondrial Membrane Potential of Murine Oocytes During the Latter Half of In Vitro Maturation and Pronuclear Formation Following Chemical Activation. Journal of Reproduction and Development, 2009, 55, 187-193.	0.5	11
32	Mouse oocytes suppress miR-322-5p expression in ovarian granulosa cells. Journal of Reproduction and Development, 2016, 62, 393-399.	0.5	11
33	B-cell activating factor deficiency suppresses splenomegaly during Leishmania donovani infection. Biochemical and Biophysical Research Communications, 2017, 489, 528-533.	1.0	11
34	Exacerbation of hepatic injury during rodent malaria by myeloid-related protein 14. PLoS ONE, 2018, 13, e0199111.	1.1	10
35	Hematopoietic prostaglandin D synthaseâ€“derived prostaglandin D 2 ameliorates adjuvantâ€induced joint inflammation in mice. FASEB Journal, 2019, 33, 6829-6837.	0.2	10
36	Effects of whole genome duplication on cell size and gene expression in mouse embryonic stem cells. Journal of Reproduction and Development, 2016, 62, 571-576.	0.5	9

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37	Efficient mutagenesis by CRISPR/Cas system during meiotic maturation of porcine oocytes. Journal of Reproduction and Development, 2017, 63, 45-50.	0.5	9
38	Dlec1 is required for spermatogenesis and male fertility in mice. Scientific Reports, 2020, 10, 18883.	1.6	8
39	Analyses of the Involvement of PKA Regulation Mechanism in Meiotic Incompetence of Porcine Growing Oocytes1. Biology of Reproduction, 2012, 87, 53.	1.2	7
40	Effects of porcine oocytes on the expression levels of transcripts encoding glycolytic enzymes in granulosa cells. Animal Science Journal, 2016, 87, 1114-1121.	0.6	7
41	In vitro development of non-enucleated rat oocytes following microinjection of a cumulus nucleus and chemical activation. Zygote, 2008, 16, 117-125.	0.5	6
42	Analyses of EMI functions on meiotic maturation of porcine oocytes. Molecular Reproduction and Development, 2016, 83, 983-992.	1.0	5
43	Efficient Generation of Genome-Modified Mice Using Campylobacter jejuni-Derived CRISPR/Cas. International Journal of Molecular Sciences, 2017, 18, 2286.	1.8	5
44	Effects of exportin 1 on nuclear transport and meiotic resumption in porcine full-grown and growing oocytesâ€. Biology of Reproduction, 2018, 98, 501-509.	1.2	5
45	Generation of Knock-in Mouse by Genome Editing. Methods in Molecular Biology, 2017, 1630, 91-100.	0.4	5
46	Expression and regulation of estrogen receptor 2 and its coregulators in mouse granulosa cells. Journal of Reproduction and Development, 2022, 68, 137-143.	0.5	5
47	Two acquired mouse Y chromosome-linked genes,Prssly andTeyorf1, are dispensable for male fertility. Biology of Reproduction, 2022, 107, 752-764.	1.2	5
48	Expression and Regulation of FGF Receptors in Mouse Granulosa Cells. Journal of Mammalian Ova Research, 2014, 31, 86-92.	0.1	4
49	CRISPR/Cas9-mediated knock-in of the murine Y chromosomal Sry gene. Journal of Reproduction and Development, 2018, 64, 283-287.	0.5	4
50	Effects of oocyteâ€derived paracrine factors on release of extracellular vesicles by murine mural granulosa cells in vitro. Animal Science Journal, 2020, 91, e13385.	0.6	4
51	Pathological roles of MRP14 in anemia and splenomegaly during experimental visceral leishmaniasis. PLoS Neglected Tropical Diseases, 2020, 14, e0008020.	1.3	3
52	MRP14 is dispensable for LPS-induced shock in BALB/c mice. Immunology Letters, 2018, 194, 13-20.	1.1	2
53	Aggregation recovers developmental plasticity in mouse polyploid embryos. Reproduction, Fertility and Development, 2019, 31, 404.	0.1	2
54	Upstream Factors Regulating Maturation/M-Phase Promoting Factor Activity During Oocyte Maturation. Journal of Mammalian Ova Research, 2010, 27, 27-34.	0.1	1

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55	Expression and function of exportin 6 in full-grown and growing porcine oocytes. Journal of Reproduction and Development, 2019, 65, 407-412.	0.5	1
56	Finding of a highly efficient ZFN pair for <i>Aqpep</i> gene functioning in murine zygotes. Journal of Reproduction and Development, 2015, 61, 589-593.	0.5	1
57	L-PGDS Attenuates Acute Lung Injury by Prostaglandin D2 in Both Dependent and Independent Ways. Journal of Immunology, 2021, 207, 2545-2550.	0.4	1
58	Variable dependency on BAFF in IgG antibody production during Leishmania infection. Parasitology International, 2020, 74, 101997.	0.6	0
59	The Regulation Mechanism of Phosphorylation of CDC2 Threonine 161 During Porcine Oocyte Maturation.. Biology of Reproduction, 2012, 87, 289-289.	1.2	0
60	Recent biotechnology tools contributing to the molecular-genetics analysis for non-model animals.. Journal of Animal Genetics, 2017, 45, 19-30.	0.5	0
61	Paraffin-embedded vertical sections of mouse embryonic stem cells. Journal of Veterinary Medical Science, 2018, 80, 1479-1481.	0.3	0
62	Expression of Genes Involved in the Non-Neuronal Cholinergic System and Their Possible Functions during Ovarian Follicular Development in Mice. Journal of Mammalian Ova Research, 2018, 35, 61-69.	0.1	0
63	Mouse embryonic stem cells maintain differentiation potency into somatic lineage despite alternation of ploidy. Zygote, 2022, , 1-7.	0.5	0
64	Effect of fibroblast growth factor signaling on cumulus expansion in mice in vitro. Molecular Reproduction and Development, 2022, 89, 281-289.	1.0	0