

Junya Ito

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

962
citations

430754

18
h-index

454834

30
g-index

49
all docs

49
docs citations

49
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorylation of IP3R1 and the regulation of $[Ca^{2+}]_i$ responses at fertilization: a role for the MAP kinase pathway. <i>Development (Cambridge)</i> , 2006, 133, 4355-4365.	1.2	91
2	Production of viable piglets for the first time using sperm derived from ectopic testicular xenografts. <i>Reproduction</i> , 2010, 139, 331-335.	1.1	74
3	Live Piglets Derived from In Vitro-Produced Zygotes Vitrified at the Pronuclear Stage1. <i>Biology of Reproduction</i> , 2009, 80, 42-49.	1.2	70
4	PLC ζ and its role as a trigger of development in vertebrates. <i>Molecular Reproduction and Development</i> , 2011, 78, 846-853.	1.0	64
5	Inositol 1,4,5-trisphosphate receptor 1, a widespread Ca^{2+} channel, is a novel substrate of polo-like kinase 1 in eggs. <i>Developmental Biology</i> , 2008, 320, 402-413.	0.9	47
6	Pre-treatment of sperm reduces success of ICSI in the pig. <i>Reproduction</i> , 2011, 142, 285-293.	1.1	45
7	Effect of Protein Kinase C Activator on Mitogen-Activated Protein Kinase and p34cdc2 Kinase Activity During Parthenogenetic Activation of Porcine Oocytes by Calcium Ionophore1. <i>Biology of Reproduction</i> , 2003, 69, 1675-1682.	1.2	37
8	High Developmental Rates of Mouse Oocytes Cryopreserved by an Optimized Vitrification Protocol: The Effects of Cryoprotectants, Calcium and Cumulus Cells. <i>Journal of Reproduction and Development</i> , 2011, 57, 675-680.	0.5	33
9	Molecular mechanisms of embryonic implantation in mammals: Lessons from the gene manipulation of mice. <i>Reproductive Medicine and Biology</i> , 2018, 17, 331-342.	1.0	32
10	Molecular characteristics of horse phospholipase ζ (PLC ζ). <i>Animal Science Journal</i> , 2013, 84, 359-368.	0.6	31
11	Generation of Live Offspring from Vitrified Mouse Oocytes of C57BL/6J Strain. <i>PLoS ONE</i> , 2013, 8, e58063.	1.1	31
12	Removal of Acrosomal Membrane from Sperm Head Improves Development of Rat Zygotes Derived from Intracytoplasmic Sperm Injection. <i>Journal of Reproduction and Development</i> , 2009, 55, 475-479.	0.5	31
13	Mitogen-Activated Protein Kinase Kinase Inhibitor Suppresses Cyclin B1 Synthesis and Reactivation of p34cdc2 Kinase, Which Improves Pronuclear Formation Rate in Matured Porcine Oocytes Activated by Ca^{2+} Ionophore1. <i>Biology of Reproduction</i> , 2004, 70, 797-804.	1.2	30
14	Efficient Production of Live Offspring from Mouse Oocytes Vitrified with a Novel Cryoprotective Agent, Carboxylated μ -poly-L-lysine. <i>PLoS ONE</i> , 2013, 8, e83613.	1.1	30
15	Phosphorylation of inositol 1,4,5-trisphosphate receptor 1 during <i>in vitro</i> maturation of porcine oocytes. <i>Animal Science Journal</i> , 2010, 81, 34-41.	0.6	25
16	Successful vitrification of pronuclear-stage pig embryos with a novel cryoprotective agent, carboxylated μ -poly-L-lysine. <i>PLoS ONE</i> , 2017, 12, e0176711.	1.1	24
17	Ethylene Glycol-supplemented Calcium-free Media Improve Zona Penetration of Vitrified Rat Oocytes by Sperm Cells. <i>Journal of Reproduction and Development</i> , 2010, 56, 169-175.	0.5	22
18	The role of calcium/calmodulin-dependent protein kinase II on the inactivation of MAP kinase and p34cdc2 kinase during fertilization and activation in pig oocytes. <i>Reproduction</i> , 2004, 128, 409-415.	1.1	19

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19	Expression and immunodetection of aquaporin 1 (AQP1) in canine spermatozoa. <i>Cryobiology</i> , 2008, 57, 312-314.	0.3	18
20	Normal reproductive development of pigs produced using sperm retrieved from immature testicular tissue cryopreserved and grafted into nude mice. <i>Theriogenology</i> , 2014, 82, 325-331.	0.9	18
21	The effect of a novel cryoprotective agent, carboxylated β -poly-L-lysine, on the developmental ability of re-vitrified mouse embryos at the pronuclear stage. <i>Cryobiology</i> , 2014, 68, 200-204.	0.3	17
22	Vitrification procedure decreases inositol 1,4,5-trisphosphate receptor expression, resulting in low fertility of pig oocytes. <i>Animal Science Journal</i> , 2013, 84, 693-701.	0.6	15
23	Generation of rats from vitrified oocytes with surrounding cumulus cells via <i>in vitro</i> fertilization with cryopreserved sperm. <i>Animal Science Journal</i> , 2017, 88, 180-184.	0.6	14
24	Production of sperm from porcine fetal testicular tissue after cryopreservation and grafting into nude mice. <i>Theriogenology</i> , 2017, 91, 154-162.	0.9	12
25	Production of mouse offspring from inactivated spermatozoa using horse PLC η mRNA. <i>Journal of Reproduction and Development</i> , 2020, 66, 67-73.	0.5	12
26	Timing of MAP kinase inactivation effects on emission of polar body in porcine oocytes activated by Ca $^{2+}$ ionophore. <i>Molecular Reproduction and Development</i> , 2005, 70, 64-69.	1.0	11
27	Progression of Nuclear Maturation and p34cdc2 Kinase Activity in Porcine Oocytes during In Vitro Culture in Different Media.. <i>Journal of Mammalian Ova Research</i> , 2001, 18, 39-43.	0.1	11
28	Successful cryopreservation of rat pronuclear-stage embryos by rapid cooling. <i>Cryobiology</i> , 2009, 59, 226-228.	0.3	10
29	Molecular mechanism of fertilization in the pig. <i>Animal Science Journal</i> , 2012, 83, 669-682.	0.6	10
30	Application of auxin-inducible degron technology to mouse oocyte activation with PLC η . <i>Journal of Reproduction and Development</i> , 2018, 64, 319-326.	0.5	8
31	Full-term development of rats from oocytes fertilized in vitro using cryopreserved ejaculated sperm. <i>Cryobiology</i> , 2011, 63, 7-11.	0.3	7
32	Lack of calcium oscillation causes failure of oocyte activation after intracytoplasmic sperm injection in pigs. <i>Journal of Reproduction and Development</i> , 2016, 62, 615-621.	0.5	7
33	Aromatase inhibitor use during ovarian stimulation suppresses growth of uterine endometrial cancer in xenograft mouse model. <i>Human Reproduction</i> , 2018, 33, 303-310.	0.4	7
34	A combined treatment with ethanol and 6-dimethylaminopurine is effective for the activation and further embryonic development of oocytes from Sprague-Dawley and Wistar rats. <i>Zygote</i> , 2009, 17, 29-36.	0.5	6
35	Knockout of targeted gene in porcine somatic cells using zinc finger nuclease. <i>Animal Science Journal</i> , 2015, 86, 132-137.	0.6	6
36	Efficient pig ICSI using Percoll-selected spermatozoa; evidence for the essential role of phospholipase C- η in ICSI success. <i>Journal of Reproduction and Development</i> , 2016, 62, 639-643.	0.5	6

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37	Factors Affecting Fertilization and Embryonic Development During Intracytoplasmic Sperm Injection in Pigs. <i>Journal of Reproduction and Development</i> , 2011, 57, 183-187.	0.5	5
38	Possible involvement of phosphatidylinositol 3-kinase in the maintenance of metaphase II arrest in porcine oocytes matured <i>in vitro</i> . <i>Animal Science Journal</i> , 2010, 81, 42-47.	0.6	4
39	The effect of M-phase stage-dependent kinase inhibitors on inositol 1,4,5-trisphosphate receptor 1 (IP ₃ R1) expression and localization in pig oocytes. <i>Animal Science Journal</i> , 2015, 86, 138-147.	0.6	4
40	Carboxylated μ -poly-L-lysine, a cryoprotective agent, is an effective partner of ethylene glycol for the vitrification of embryos at various preimplantation stages. <i>Cryobiology</i> , 2020, 97, 245-249.	0.3	4
41	Phospholipase C γ (PLC γ) versus postacrosomal sheath WW domain-binding protein (PAWP): Which molecule will survive as a sperm factor?. <i>Animal Science Journal</i> , 2020, 91, e13345.	0.6	4
42	Utility of progesterone receptor α -resCre to generate conditional knockout mice for uterine study. <i>Animal Science Journal</i> , 2021, 92, e13615.	0.6	3
43	Highly successful production of viable mice derived from vitrified germinal vesicle oocytes. <i>PLoS ONE</i> , 2021, 16, e0248050.	1.1	3
44	Chromosomal analyses of human giant diploid oocytes by next-generation sequencing. <i>Reproductive Medicine and Biology</i> , 2021, 20, 260-266.	1.0	2
45	Artificial Activation of Mammalian Oocytes for Cloning. , 2014, , 3-10.		1
46	Immunodetection of Aquaporin 1 (AQP1) of Male and Female Gametes in Pig. <i>Biology of Reproduction</i> , 2008, 78, 299-300.	1.2	1
47	Molecular Mechanisms Regulating Embryo Implantation in Mammals. <i>Journal of Mammalian Ova Research</i> , 2015, 32, 71-77.	0.1	0
48	Treatment with MG132, a Proteasome Inhibitor, Through Somatic Cell Nuclear Transfer Improves Survival and Pronuclear Number of Reconstructed Rat Embryos. <i>Biology of Reproduction</i> , 2008, 78, 152-153.	1.2	0
49	Review: The Role of Zinc Signaling in Reproduction. , 2019, , 99-121.		0