

# Yunpeng Hou

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,269  
citations

394421

19  
h-index

395702

33  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1114  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polystyrene microplastics induced female reproductive toxicity in mice. <i>Journal of Hazardous Materials</i> , 2022, 424, 127629.	12.4	107
2	L-carnitine enhances oocyte maturation and development of parthenogenetic embryos in pigs. <i>Theriogenology</i> , 2011, 76, 785-793.	2.1	91
3	Improved development by Taxol pretreatment after vitrification of in vitro matured porcine oocytes. <i>Reproduction</i> , 2006, 131, 795-804.	2.6	74
4	Abnormal DNA methylation in oocytes could be associated with a decrease in reproductive potential in old mice. <i>Journal of Assisted Reproduction and Genetics</i> , 2012, 29, 643-650.	2.5	71
5	Positive effects of Taxol pretreatment on morphology, distribution and ultrastructure of mitochondria and lipid droplets in vitrification of in vitro matured porcine oocytes. <i>Animal Reproduction Science</i> , 2009, 115, 158-168.	1.5	59
6	Effect of oocyte vitrification on deoxyribonucleic acid methylation of <i>H19</i> , <i>Peg3</i> , and <i>Snrpn</i> differentially methylated regions in mouse blastocysts. <i>Fertility and Sterility</i> , 2014, 102, 1183-1190.e3.	1.0	51
7	Leukemia inhibitory factor enhances bovine oocyte maturation and early embryo development. <i>Molecular Reproduction and Development</i> , 2014, 81, 608-618.	2.0	46
8	Dynamic changes in the global transcriptome of bovine germinal vesicle oocytes after vitrification followed by in vitro maturation. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1298.	0.4	46
9	Enriched endoplasmic reticulum-mitochondria interactions result in mitochondrial dysfunction and apoptosis in oocytes from obese mice. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 62.	5.3	44
10	Bovine oocytes vitrified by the open pulled straw method and used for somatic cell cloning supported development to term. <i>Theriogenology</i> , 2005, 64, 1381-1391.	2.1	41
11	Effect of vitrification on mitochondrial distribution and membrane potential in mouse two pronuclear (2 $\times$ PN) embryos. <i>Molecular Reproduction and Development</i> , 2009, 76, 1056-1063.	2.0	41
12	Vitrification of Mouse Embryos at Various Stages by Open-Pulled Straw (OPS) Method. <i>Animal Biotechnology</i> , 2005, 16, 153-163.	1.5	40
13	RNA-Seq transcriptome profiling of mouse oocytes after in vitro maturation and/or vitrification. <i>Scientific Reports</i> , 2017, 7, 13245.	3.3	40
14	Positive effects of Forskolin (stimulator of lipolysis) treatment on cryosurvival of in vitro matured porcine oocytes. <i>Theriogenology</i> , 2011, 75, 268-275.	2.1	32
15	The association between the oocyte pool and aneuploidy: a comparative study of the reproductive potential of young and aged mice. <i>Journal of Assisted Reproduction and Genetics</i> , 2014, 31, 323-331.	2.5	32
16	Quantitative Investigations on the Effects of Exposure Durations to the Combined Cryoprotective Agents on Mouse Oocyte Vitrification Procedures1. <i>Biology of Reproduction</i> , 2011, 85, 884-894.	2.7	24
17	Tetraspanin CD9 in Bovine Oocytes and Its Role in Fertilization. <i>Journal of Reproduction and Development</i> , 2009, 55, 305-308.	1.4	22
18	Toxicity and related mechanisms of dihydroartemisinin on porcine oocyte maturation in vitro. <i>Toxicology and Applied Pharmacology</i> , 2018, 341, 8-15.	2.8	22

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19	Melatonin rescues the aneuploidy in mice vitrified oocytes by regulating mitochondrial heat product. <i>Cryobiology</i> , 2019, 89, 68-75.	0.7	22
20	Procyanidin B2 Improves Oocyte Maturation and Subsequent Development in Type 1 Diabetic Mice by Promoting Mitochondrial Function. <i>Reproductive Sciences</i> , 2020, 27, 2211-2222.	2.5	21
21	Mitochondrial Ca <sup>2+</sup> Overload Leads to Mitochondrial Oxidative Stress and Delayed Meiotic Resumption in Mouse Oocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 580876.	3.7	20
22	Nuclear maturation and embryo development of porcine oocytes vitrified by cryotop: Effect of different stages of in vitro maturation. <i>Cryobiology</i> , 2013, 67, 95-101.	0.7	18
23	The Extracellular Calcium-Sensing Receptor (CASR) Regulates Gonadotropins-Induced Meiotic Maturation of Porcine Oocytes <sup>1</sup> . <i>Biology of Reproduction</i> , 2015, 93, 131.	2.7	18
24	Improved parthenogenetic development of vitrified-warmed bovine oocytes activated with 9% ethanol plus 6-DMAP. <i>Theriogenology</i> , 2009, 72, 643-649.	2.1	17
25	Conventional Freezing, Straw, and Open-Pulled Straw Vitrification of Mouse Two Pronuclear (2-PN) Stage Embryos. <i>Animal Biotechnology</i> , 2007, 18, 203-212.	1.5	16
26	<i>trans</i> -10, <i>cis</i> -12 conjugated linoleic acid enhances in vitro maturation of porcine oocytes. <i>Molecular Reproduction and Development</i> , 2014, 81, 20-30.	2.0	14
27	Effects of vitrification for germinal vesicle and metaphase II oocytes on subsequent centromere cohesion and chromosome aneuploidy in mice. <i>Theriogenology</i> , 2014, 82, 495-500.	2.1	14
28	Decreased Expression of CD9 in Bovine Oocytes After Cryopreservation and the Relationship to Fertilization Capacity. <i>Molecular Reproduction and Development</i> , 2013, 80, 451-459.	2.0	13
29	Spermatozoa cryopreservation alters pronuclear formation and zygotic DNA demethylation in mice. <i>Theriogenology</i> , 2015, 83, 1000-1006.	2.1	13
30	Cytoplasm lipids can be modulated through hormone-sensitive lipase and are related to mitochondrial function in porcine IVM oocytes. <i>Reproduction, Fertility and Development</i> , 2020, 32, 667.	0.4	12
31	Cryopreservation of Porcine Embryos: Recent Updates and Progress. <i>Biopreservation and Biobanking</i> , 2021, 19, 210-218.	1.0	12
32	Piezo-assisted In Vitro Fertilization of Mouse Oocytes with Spermatozoa Retrieved from Epididymides Stored at 4 Degree C. <i>Journal of Reproduction and Development</i> , 2008, 54, 107-112.	1.4	12
33	Toxic effects of 1-(N-methyl-N-nitrosamino)-1-(3-pyridinyl)-4-butanal on the maturation and subsequent development of murine oocyte. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 370-380.	6.0	11
34	Nampt affects mitochondrial function in aged oocytes by mediating the downstream effector FoxO3a. <i>Journal of Cellular Physiology</i> , 2022, 237, 647-659.	4.1	11
35	Mito-Q promotes porcine oocytes maturation by maintaining mitochondrial thermogenesis via UCP2 downregulation. <i>Theriogenology</i> , 2022, 187, 205-214.	2.1	11
36	Effect of meiotic status, cumulus cells and cytoskeleton stabilizer on the developmental competence of ovine oocytes following vitrification. <i>Small Ruminant Research</i> , 2014, 117, 151-157.	1.2	10

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37	The Role of Ca <sup>2+</sup> in Maturation and Reprogramming of Bovine Oocytes: A System Study of Low-Calcium Model. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 746237.	3.7	10
38	Open-pulled Straw (OPS) Vitrification of Mouse Hatched Blastocysts. <i>Animal Biotechnology</i> , 2007, 18, 45-54.	1.5	9
39	Open-pulled straw (OPS) vitrification of in vitro fertilised mouse embryos at various stages. <i>Acta Veterinaria Hungarica</i> , 2008, 56, 245-253.	0.5	9
40	Stepwise In-straw Dilution and Direct Transfer Using Open Pulled Straws (OPS) in the Mouse: A Potential Model for Field Manipulation of Vitrified Embryos. <i>Journal of Reproduction and Development</i> , 2007, 53, 211-218.	1.4	9
41	Cryopreservation of farm animal gametes and embryos: recent updates and progress. <i>Frontiers of Agricultural Science and Engineering</i> , 2019, 6, 42.	1.4	9
42	Calcium-sensing receptor (CASR) is involved in porcine in vitro fertilisation and early embryo development. <i>Reproduction, Fertility and Development</i> , 2018, 30, 391.	0.4	8
43	Toxic effects of 1-(N-methyl-N-nitrosamino)-1-(3-pyridinyl)-4-butanal on the reproduction of female mice. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109544.	6.0	7
44	Dihydroartemisinin exposure impairs porcine ovarian granulosa cells by activating PERK-eIF2 $\gamma$ -ATF4 through endoplasmic reticulum stress. <i>Toxicology and Applied Pharmacology</i> , 2020, 403, 115159.	2.8	7
45	Mitochondrial Calcium uniporters are essential for meiotic progression in mouse oocytes by controlling Ca <sup>2+</sup> entry. <i>Cell Proliferation</i> , 2021, 54, e13127.	5.3	7
46	Proteomic profile of mouse oocytes after vitrification: A quantitative analysis based on 4D label-free technique. <i>Theriogenology</i> , 2022, 187, 64-73.	2.1	7
47	The Error-Prone Kinetochore-Microtubule Attachments During Meiosis I in Vitrified Oocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 621.	3.7	5
48	BAPTA-AM dramatically improves maturation and development of bovine oocytes from grade 3 cumulus-oocyte complexes. <i>Molecular Reproduction and Development</i> , 2018, 85, 38-45.	2.0	5
49	Effect of In-Straw Thawing on In Vitro- and In Vivo-Development of Vitrified Mouse Morulae. <i>Animal Biotechnology</i> , 2007, 18, 13-22.	1.5	4
50	The Calcium-Sensing Receptor Is Involved in Follicle-Stimulating Hormone-Induced Cumulus Expansion in in vitro Cultured Porcine Cumulus-Oocyte Complexes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 625036.	3.7	4
51	Impact on Hyperactivated Motility of Cryopreserved Mouse Sperm from Pretreatment with Thimerosal. <i>Asian Journal of Animal and Veterinary Advances</i> , 2011, 6, 1052-1060.	0.0	4
52	Artificially Increasing Cortical Tension Improves Mouse Oocytes Development by Attenuating Meiotic Defects During Vitrification. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 876259.	3.7	4
53	The extracellular calcium-sensing receptor promotes porcine egg activation via calcium/calmodulin-dependent protein kinase II. <i>Molecular Reproduction and Development</i> , 2020, 87, 598-606.	2.0	3
54	Procyanidin B2 Protects Aged Oocytes Against Meiotic Defects Through Cortical Tension Modulation. <i>Frontiers in Veterinary Science</i> , 2022, 9, 795050.	2.2	3

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55	An efficient method for the sanitary vitrification of bovine oocytes in straws. <i>Journal of Animal Science and Biotechnology</i> , 2014, 5, 19.	5.3	2
56	Production of normal offspring from partially zona-incised vitrified mouse oocytes fertilized with cryopreserved spermatozoa using an optimized protocol. <i>Cryo-Letters</i> , 2008, 29, 111-9.	0.3	2
57	Proteome-wide prediction and analysis of the <i>Cryptosporidium parvum</i> protein-protein interaction network through integrative methods. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 2322-2331.	4.1	2
58	Mitochondrial Calcium Disorder Affects Early Embryonic Development in Mice through Regulating the ERK/MAPK Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-18.	4.0	1
59	Procyanidin B2 (pcb2) Rescues Mitochondrial Function and Improves The Developmental Potential of Vitrified Oocytes By Regulating Autophagy. <i>Cryobiology</i> , 2021, 103, 178.	0.7	0