

# Qing-Yuan Sun

## List of Publications by Citations

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171  
papers

3,562  
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32  
h-index

54  
g-index

185  
ext. papers

4,445  
ext. citations

5.6  
avg, IF

5.46  
L-index

#	Paper	IF	Citations
171	Oocyte aging: cellular and molecular changes, developmental potential and reversal possibility. <i>Human Reproduction Update</i> , <b>2009</b> , 15, 573-85	15.8	332
170	Regulation of dynamic events by microfilaments during oocyte maturation and fertilization. <i>Reproduction</i> , <b>2006</b> , 131, 193-205	3.8	218
169	Towards a new understanding on the regulation of mammalian oocyte meiosis resumption. <i>Cell Cycle</i> , <b>2009</b> , 8, 2741-7	4.7	123
168	BTG4 is a meiotic cell cycle-coupled maternal-zygotoc-transition licensing factor in oocytes. <i>Nature Structural and Molecular Biology</i> , <b>2016</b> , 23, 387-94	17.6	111
167	Cytoplasmic changes in relation to nuclear maturation and early embryo developmental potential of porcine oocytes: effects of gonadotropins, cumulus cells, follicular size, and protein synthesis inhibition. <i>Molecular Reproduction and Development</i> , <b>2001</b> , 59, 192-8	2.6	108
166	Unique insights into maternal mitochondrial inheritance in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 13038-43	11.5	106
165	Environmental epigenetic inheritance through gametes and implications for human reproduction. <i>Human Reproduction Update</i> , <b>2015</b> , 21, 194-208	15.8	103
164	DNA methylation in oocytes and liver of female mice and their offspring: effects of high-fat-diet-induced obesity. <i>Environmental Health Perspectives</i> , <b>2014</b> , 122, 159-64	8.4	103
163	Oocyte ageing and epigenetics. <i>Reproduction</i> , <b>2015</b> , 149, R103-14	3.8	98
162	Cellular and molecular mechanisms leading to cortical reaction and polyspermy block in mammalian eggs. <i>Microscopy Research and Technique</i> , <b>2003</b> , 61, 342-8	2.8	94
161	Bub3 is a spindle assembly checkpoint protein regulating chromosome segregation during mouse oocyte meiosis. <i>PLoS ONE</i> , <b>2009</b> , 4, e7701	3.7	84
160	The root of reduced fertility in aged women and possible therapeutic options: current status and future prospects. <i>Molecular Aspects of Medicine</i> , <b>2014</b> , 38, 54-85	16.7	81
159	Role of NuMA in vertebrate cells: review of an intriguing multifunctional protein. <i>Frontiers in Bioscience - Landmark</i> , <b>2006</b> , 11, 1137-46	2.8	69
158	The subcortical maternal complex controls symmetric division of mouse zygotes by regulating F-actin dynamics. <i>Nature Communications</i> , <b>2014</b> , 5, 4887	17.4	60
157	SIRT1, 2, 3 protect mouse oocytes from postovulatory aging. <i>Aging</i> , <b>2016</b> , 8, 685-96	5.6	58
156	Maternal factors required for oocyte developmental competence in mice: transcriptome analysis of non-surrounded nucleolus (NSN) and surrounded nucleolus (SN) oocytes. <i>Cell Cycle</i> , <b>2013</b> , 12, 1928-38	4.7	53
155	Essential role for SUN5 in anchoring sperm head to the tail. <i>ELife</i> , <b>2017</b> , 6,	8.9	52

154	Viable rabbits derived from reconstructed oocytes by germinal vesicle transfer after intracytoplasmic sperm injection (ICSI). <i>Molecular Reproduction and Development</i> , <b>2001</b> , 58, 180-5	2.6	51
153	Oocyte-specific knockout: a novel in vivo approach for studying gene functions during folliculogenesis, oocyte maturation, fertilization, and embryogenesis. <i>Biology of Reproduction</i> , <b>2008</b> , 79, 1014-20	3.9	49
152	Phosphorylation of mitogen-activated protein kinase is regulated by protein kinase C, cyclic 3',5'-adenosine monophosphate, and protein phosphatase modulators during meiosis resumption in rat oocytes. <i>Biology of Reproduction</i> , <b>2001</b> , 64, 1444-50	3.9	49
151	Mutations in PMFBP1 Cause Acephalic Spermatozoa Syndrome. <i>American Journal of Human Genetics</i> , <b>2018</b> , 103, 188-199	11	47
150	N6-Methyladenosine Sequencing Highlights the Involvement of mRNA Methylation in Oocyte Meiotic Maturation and Embryo Development by Regulating Translation in <i>Xenopus laevis</i> . <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 23020-23026	5.4	45
149	Microtubule assembly after treatment of pig oocytes with taxol: correlation with chromosomes, gamma-tubulin, and MAP kinase. <i>Molecular Reproduction and Development</i> , <b>2001</b> , 60, 481-90	2.6	44
148	In vitro fertilisation of mouse oocytes reconstructed by transfer of metaphase II chromosomes results in live births. <i>Zygote</i> , <b>2001</b> , 9, 9-14	1.6	44
147	Sperm mitochondria in reproduction: good or bad and where do they go?. <i>Journal of Genetics and Genomics</i> , <b>2013</b> , 40, 549-56	4	41
146	CRL4-DCAF1 ubiquitin E3 ligase directs protein phosphatase 2A degradation to control oocyte meiotic maturation. <i>Nature Communications</i> , <b>2015</b> , 6, 8017	17.4	40
145	Derivation of Porcine Embryonic Stem-Like Cells from In Vitro-Produced Blastocyst-Stage Embryos. <i>Scientific Reports</i> , <b>2016</b> , 6, 25838	4.9	37
144	Brefeldin A disrupts asymmetric spindle positioning in mouse oocytes. <i>Developmental Biology</i> , <b>2008</b> , 313, 155-66	3.1	37
143	LKB1 acts as a critical gatekeeper of ovarian primordial follicle pool. <i>Oncotarget</i> , <b>2016</b> , 7, 5738-53	3.3	36
142	Epigenetic dynamics and interplay during spermatogenesis and embryogenesis: implications for male fertility and offspring health. <i>Oncotarget</i> , <b>2017</b> , 8, 53804-53818	3.3	34
141	Overexpression of SETD1a protein localizing to centromeres, causes precocious separation of chromatids during the first meiosis of mouse oocytes. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 1595-603	5.3	34
140	Cyclin B2 can compensate for Cyclin B1 in oocyte meiosis I. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 3901-3911	7.3	33
139	Sperm-carried RNAs play critical roles in mouse embryonic development. <i>Oncotarget</i> , <b>2017</b> , 8, 67394-67405	4.5	32
138	Mettl14 is required for mouse postimplantation development by facilitating epiblast maturation. <i>FASEB Journal</i> , <b>2019</b> , 33, 1179-1187	0.9	32
137	Resveratrol increases resistance of mouse oocytes to postovulatory aging. <i>Aging</i> , <b>2018</b> , 10, 1586-1596	5.6	32

136	Centrosome and microtubule functions and dysfunctions in meiosis: implications for age-related infertility and developmental disorders. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 934-43	1.8	30
135	CAMP inhibits mitogen-activated protein (MAP) kinase activation and resumption of meiosis, but exerts no effects after spontaneous germinal vesicle breakdown (GVBD) in mouse oocytes. <i>Reproduction, Fertility and Development</i> , <b>1999</b> , 11, 81-6	1.8	29
134	Mitogen-activated protein kinase in human eggs. <i>Zygote</i> , <b>1999</b> , 7, 181-5	1.6	27
133	Activation of protein kinase C induces cortical granule exocytosis in a Ca(2+)-independent manner, but not the resumption of cell cycle in porcine eggs. <i>Development Growth and Differentiation</i> , <b>1997</b> , 39, 523-9	3	26
132	Scaffold subunit Aalpha of PP2A is essential for female meiosis and fertility in mice. <i>Biology of Reproduction</i> , <b>2014</b> , 91, 19	3.9	25
131	Maternal diabetes mellitus and the origin of non-communicable diseases in offspring: the role of epigenetics. <i>Biology of Reproduction</i> , <b>2014</b> , 90, 139	3.9	24
130	Checkpoint kinase 1 is essential for meiotic cell cycle regulation in mouse oocytes. <i>Cell Cycle</i> , <b>2012</b> , 11, 1948-55	4.7	24
129	Functions and dysfunctions of the mammalian centrosome in health, disorders, disease, and aging. <i>Histochemistry and Cell Biology</i> , <b>2018</b> , 150, 303-325	2.4	23
128	Phosphorylation of p90rsk during meiotic maturation and parthenogenetic activation of rat oocytes: correlation with MAP kinases. <i>Zygote</i> , <b>2001</b> , 9, 269-76	1.6	23
127	Cyclin B3 controls anaphase onset independent of spindle assembly checkpoint in meiotic oocytes. <i>Cell Cycle</i> , <b>2015</b> , 14, 2648-54	4.7	22
126	Transfer of autologous mitochondria from adipose tissue-derived stem cells rescues oocyte quality and infertility in aged mice. <i>Aging</i> , <b>2017</b> , 9, 2480-2488	5.6	22
125	Effect of postovulatory oocyte aging on DNA methylation imprinting acquisition in offspring oocytes. <i>Fertility and Sterility</i> , <b>2011</b> , 96, 1479-84	4.8	22
124	Enriched environment-induced maternal weight loss reprograms metabolic gene expression in mouse offspring. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 4604-4619	5.4	21
123	Poly(ADP-ribose) mediates asymmetric division of mouse oocyte. <i>Cell Research</i> , <b>2018</b> , 28, 462-475	24.7	20
122	Rab3A, Rab27A, and Rab35 regulate different events during mouse oocyte meiotic maturation and activation. <i>Histochemistry and Cell Biology</i> , <b>2016</b> , 145, 647-57	2.4	20
121	Septin2 is modified by SUMOylation and required for chromosome congression in mouse oocytes. <i>Cell Cycle</i> , <b>2010</b> , 9, 1607-16	4.7	20
120	Nuf2 is required for chromosome segregation during mouse oocyte meiotic maturation. <i>Cell Cycle</i> , <b>2015</b> , 14, 2701-10	4.7	19
119	Insulin Reduces Reaction of Follicular Granulosa Cells to FSH Stimulation in Women With Obesity-Related Infertility During IVF. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 2547-2560	5.6	18

118	Kif2a regulates spindle organization and cell cycle progression in meiotic oocytes. <i>Scientific Reports</i> , <b>2016</b> , 6, 38574	4.9	18
117	Melatonin defends mouse oocyte quality from benzo[ghi]perylene-induced deterioration. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 6220-6229	7	18
116	Roles of Resveratrol in Improving the Quality of Postovulatory Aging Oocytes In Vitro. <i>Cells</i> , <b>2019</b> , 8,	7.9	17
115	Cyclins regulating oocyte meiotic cell cycle progression <i>Biology of Reproduction</i> , <b>2019</b> , 101, 878-881	3.9	17
114	Cep55 regulates spindle organization and cell cycle progression in meiotic oocyte. <i>Scientific Reports</i> , <b>2015</b> , 5, 16978	4.9	17
113	Single-cell RNA sequencing reveals the landscape of early female germ cell development. <i>FASEB Journal</i> , <b>2020</b> , 34, 12634-12645	0.9	16
112	Non-canonical RNA polyadenylation polymerase FAM46C is essential for fastening sperm head and flagellum in mice <i>Biology of Reproduction</i> , <b>2019</b> , 100, 1673-1685	3.9	14
111	N-acetyl-L-cysteine (NAC) delays post-ovulatory oocyte aging in mouse. <i>Aging</i> , <b>2019</b> , 11, 2020-2030	5.6	14
110	Effects of 2,3,4,5-pentachlorobiphenyl exposure during pregnancy on epigenetic imprinting and maturation of offspring oocytes in mice. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 2575-2592	5.8	13
109	The Dynamics and Regulatory Mechanism of Pronuclear H3k9me2 Asymmetry in Mouse Zygotes. <i>Scientific Reports</i> , <b>2015</b> , 5, 17924	4.9	13
108	Melatonin protects against Fenoxaprop-ethyl exposure-induced meiotic defects in mouse oocytes. <i>Toxicology</i> , <b>2019</b> , 425, 152241	4.4	12
107	Distinct subcellular localization and potential role of LINE1-ORF1P in meiotic oocytes. <i>Histochemistry and Cell Biology</i> , <b>2016</b> , 145, 93-104	2.4	11
106	The cyclin B2/CDK1 complex inhibits separase activity in mouse oocyte meiosis I. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	11
105	Polar bodies in assisted reproductive technology: current progress and future perspectives. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 19	3.9	11
104	Oocyte-specific deletion of furin leads to female infertility by causing early secondary follicle arrest in mice. <i>Cell Death and Disease</i> , <b>2017</b> , 8, e2846	9.8	10
103	Absence of mitochondrial DNA methylation in mouse oocyte maturation, aging and early embryo development. <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 513, 912-918	3.4	10
102	Loss of protein phosphatase 6 in oocytes causes failure of meiosis II exit and impaired female fertility. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 3769-80	5.3	10
101	Oocyte-specific deletion of N-WASP does not affect oocyte polarity, but causes failure of meiosis II completion. <i>Molecular Human Reproduction</i> , <b>2016</b> , 22, 613-21	4.4	10

100	Mitochondrial regulation of [Ca] <sup>2+</sup> oscillations during cell cycle resumption of the second meiosis of oocyte. <i>Cell Cycle</i> , <b>2018</b> , 17, 1471-1486	4.7	10
99	Mouse-rabbit germinal vesicle transfer reveals that factors regulating oocyte meiotic progression are not species-specific in mammals. <i>The Journal of Experimental Zoology</i> , <b>2001</b> , 289, 322-329		9
98	The culture of fibroblasts from diaphragm of giant panda. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2001</b> , 37, 644-5	2.6	9
97	Global profiling of RNA-binding protein target sites by LACE-seq. <i>Nature Cell Biology</i> , <b>2021</b> , 23, 664-675	23.4	9
96	PRC2 and EHMT1 regulate H3K27me2 and H3K27me3 establishment across the zygote genome. <i>Nature Communications</i> , <b>2020</b> , 11, 6354	17.4	8
95	Single xenotransplant of rat brown adipose tissue prolonged the ovarian lifespan of aging mice by improving follicle survival. <i>Aging Cell</i> , <b>2019</b> , 18, e13024	9.9	8
94	Mitochondrial replacement techniques or therapies (MRTs) to improve embryo development and to prevent mitochondrial disease transmission. <i>Journal of Genetics and Genomics</i> , <b>2017</b> , 44, 371-374	4	8
93	Single-cell RNA sequencing reveals regulation of fetal ovary development in the monkey ( <i>Macaca fascicularis</i> ). <i>Cell Discovery</i> , <b>2020</b> , 6, 97	22.3	8
92	RNA-Seq transcriptome reveals different molecular responses during human and mouse oocyte maturation and fertilization. <i>BMC Genomics</i> , <b>2020</b> , 21, 475	4.5	8
91	Fenoxaprop-ethyl affects mouse oocyte quality and the underlying mechanisms. <i>Pest Management Science</i> , <b>2019</b> , 75, 844-851	4.6	8
90	Chronic cadmium exposure causes oocyte meiotic arrest by disrupting spindle assembly checkpoint and maturation promoting factor. <i>Reproductive Toxicology</i> , <b>2020</b> , 96, 141-149	3.4	7
89	Metformin protects against mouse oocyte apoptosis defects induced by arecoline. <i>Cell Proliferation</i> , <b>2020</b> , 53, e12809	7.9	7
88	Geminin deletion in mouse oocytes results in impaired embryo development and reduced fertility. <i>Molecular Biology of the Cell</i> , <b>2016</b> , 27, 768-75	3.5	7
87	Ablation of beta subunit of protein kinase CK2 in mouse oocytes causes follicle atresia and premature ovarian failure. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 508	9.8	7
86	The subcortical maternal complex protein Nlrp4f is involved in cytoplasmic lattice formation and organelle distribution. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	7
85	Activity of MAPK/p90rsk during fertilization in mice, rats, and pigs. <i>Methods in Molecular Biology</i> , <b>2004</b> , 253, 293-304	1.4	7
84	Protein Phosphatase 6 Protects Prophase I-Arrested Oocytes by Safeguarding Genomic Integrity. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006513	6	7
83	METTL3-mediated mRNA N-methyladenosine is required for oocyte and follicle development in mice. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 989	9.8	7

82	Protein phosphatase 6 is a key factor regulating spermatogenesis. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 1952-1964	12.7	7
81	Embryo quality, and not chromosome nondiploidy, affects mitochondrial DNA content in mouse blastocysts. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 10481-10488	7	7
80	Deletion of Mylk1 in oocytes causes delayed morula-to-blastocyst transition and reduced fertility without affecting folliculogenesis and oocyte maturation in mice. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 97	3.9	6
79	RNA-associated protein LSM family member 14 controls oocyte meiotic maturation through regulating mRNA pools. <i>Journal of Reproduction and Development</i> , <b>2017</b> , 63, 383-388	2.1	6
78	Correlation between ubiquitination and defects of bull spermatozoa and removal of defective spermatozoa using anti-ubiquitin antibody-coated magnetized beads. <i>Animal Reproduction Science</i> , <b>2018</b> , 192, 44-52	2.1	6
77	Cytoplasmic Determination of Meiotic Spindle Size Revealed by a Unique Inter-Species Germinal Vesicle Transfer Model. <i>Scientific Reports</i> , <b>2016</b> , 6, 19827	4.9	6
76	Rad9a is involved in chromatin decondensation and post-zygotic embryo development in mice. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 969-980	12.7	6
75	The role of Ca <sup>2+</sup> and protein kinase C in the acrosome reaction of giant panda ( <i>Ailuropoda melanoleuca</i> ) spermatozoa. <i>Theriogenology</i> , <b>1996</b> , 46, 359-67	2.8	6
74	Type 1 diabetes affects zona pellucida and genome methylation in oocytes and granulosa cells. <i>Molecular and Cellular Endocrinology</i> , <b>2020</b> , 500, 110627	4.4	6
73	A noncanonical role of NOD-like receptor NLRP14 in PGCLC differentiation and spermatogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 22237-22248	11.5	6
72	CenPH regulates meiotic G2/M transition by modulating the APC/CCdh1-cyclin B1 pathway in oocytes. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 305-312	6.6	6
71	Glucocorticoid exposure affects female fertility by exerting its effect on the uterus but not on the oocyte: lessons from a hypercortisolism mouse model. <i>Human Reproduction</i> , <b>2018</b> , 33, 2285-2294	5.7	6
70	Why is oocyte aneuploidy increased with maternal aging?. <i>Journal of Genetics and Genomics</i> , <b>2020</b> , 47, 659-671	4	5
69	The role of L-type calcium channels in mouse oocyte maturation, activation and early embryonic development. <i>Theriogenology</i> , <b>2017</b> , 102, 67-74	2.8	5
68	Calcium-Independent, Egg Age-Dependent Parthenogenic Activation of Mouse Eggs by Staurosporine.. <i>Journal of Reproduction and Development</i> , <b>1997</b> , 43, 189-197	2.1	5
67	Multiple superovulations alter histone modifications in mouse early embryos. <i>Reproduction</i> , <b>2019</b> , 157, 511-523	3.8	5
66	PKC $\eta$ regulates meiotic cell cycle in mouse oocyte. <i>Cell Cycle</i> , <b>2019</b> , 18, 395-412	4.7	4
65	Exogenous thymine DNA glycosylase regulates epigenetic modifications and meiotic cell cycle progression of mouse oocytes. <i>Molecular Human Reproduction</i> , <b>2015</b> , 21, 186-94	4.4	4

64	DNA methylation establishment of CpG islands near maternally imprinted genes on chromosome 7 during mouse oocyte growth. <i>Molecular Reproduction and Development</i> , <b>2020</b> , 87, 800	2.6	4
63	CDC6 regulates both G2/M transition and metaphase-to-anaphase transition during the first meiosis of mouse oocytes. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 5541-5554	7	4
62	Overexpression of cyclin A1 promotes meiotic resumption but induces premature chromosome separation in mouse oocyte. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 7136-7145	7	4
61	Nek11 regulates asymmetric cell division during mouse oocyte meiotic maturation. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 474, 667-672	3.4	4
60	NEK5 regulates cell cycle progression during mouse oocyte maturation and preimplantation embryonic development. <i>Molecular Reproduction and Development</i> , <b>2019</b> , 86, 1189-1198	2.6	4
59	The Sperm Centrosome: Its Role and Significance in Nature and Human Assisted Reproduction. <i>Journal of Reproductive and Stem Cell Biotechnology</i> , <b>2011</b> , 2, 121-127		4
58	Degradation of Ccnb3 is essential for maintenance of MII arrest in oocyte. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 521, 265-269	3.4	4
57	Deletion of Ck2 $\beta$ gene causes germ cell development arrest and azoospermia in male mice. <i>Cell Proliferation</i> , <b>2020</b> , 53, e12726	7.9	4
56	Argonaute 2 is a key regulator of maternal mRNA degradation in mouse early embryos. <i>Cell Death Discovery</i> , <b>2020</b> , 6, 133	6.9	4
55	Type 2 diabetes increases oocyte mtDNA mutations which are eliminated in the offspring by bottleneck effect. <i>Reproductive Biology and Endocrinology</i> , <b>2018</b> , 16, 110	5	4
54	Regulating the orderly progression of oocyte meiotic maturation events in mammals. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, iii-iv	1.8	3
53	Oligoasthenoteratospermia and sperm tail bending in PPP4C-deficient mice. <i>Molecular Human Reproduction</i> , <b>2021</b> , 27,	4.4	3
52	Meiotic chromatid recombination and segregation assessed with human single cell genome sequencing data. <i>Journal of Medical Genetics</i> , <b>2019</b> , 56, 156-163	5.8	3
51	CENP-T regulates both the G2/M transition and anaphase entry by acting through CDH1 in meiotic oocytes. <i>Journal of Cell Science</i> , <b>2020</b> , 133,	5.3	2
50	CENP-A regulates chromosome segregation during the first meiosis of mouse oocytes. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , <b>2017</b> , 37, 313-318		2
49	Application of three-dimensional fluorescence in situ hybridization to human preimplantation genetic diagnosis. <i>Fertility and Sterility</i> , <b>2009</b> , 92, 1492-1495	4.8	2
48	Mitochondrial Ca Is Related to Mitochondrial Activity and Dynamic Events in Mouse Oocytes. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 585932	5.7	2
47	High-throughput sequencing reveals landscapes of female germ cell development. <i>Molecular Human Reproduction</i> , <b>2020</b> , 26, 738-747	4.4	2



46	Gefitinib reduces oocyte quality by disturbing meiotic progression. <i>Toxicology</i> , <b>2021</b> , 452, 152705	4.4	2
45	A hypothetical role for autophagy during the day/night rhythm-regulated melatonin synthesis in the rat pineal gland. <i>Journal of Pineal Research</i> , <b>2021</b> , 71, e12742	10.4	2
44	Effects of mitochondria-associated Ca transporters suppression on oocyte activation. <i>Cell Biochemistry and Function</i> , <b>2021</b> , 39, 248-257	4.2	2
43	Paraquat Reduces the Female Fertility by Impairing the Oocyte Maturation in Mice. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 631104	5.7	2
42	Nuclear and cytoplasmic quality of oocytes derived from serum-free culture of secondary follicles in vitro. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 5352-5361	7	2
41	Tea polyphenols alleviate the adverse effects of diabetes on oocyte quality.. <i>Food and Function</i> , <b>2022</b> ,	6.1	2
40	In Vitro production of canine blastocysts. <i>Theriogenology</i> , <b>2019</b> , 135, 164-168	2.8	1
39	Mechanistic insights into the reduced developmental capacity of in vitro matured oocytes and importance of cumulus cells in oocyte quality determination. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 9743-9751	7	1
38	Maternal ageing causes changes in DNA methylation and gene expression profiles in mouse oocytes. <i>Zygote</i> , <b>2020</b> , 1-7	1.6	1
37	PAK4 Regulates Actin and Microtubule Dynamics during Meiotic Maturation in Mouse Oocyte. <i>International Journal of Biological Sciences</i> , <b>2019</b> , 15, 2408-2418	11.2	1
36	Mitochondrial Differentiation in Early Embryo Cells and Pluripotent Stem Cells <b>2014</b> , 247-258		1
35	Rad9a is required for spermatogonia differentiation in mice. <i>Oncotarget</i> , <b>2016</b> , 7, 86350-86358	3.3	1
34	Gm364 coordinates MIB2/DLL3/Notch2 to regulate female fertility through AKT activation. <i>Cell Death and Differentiation</i> , <b>2021</b> ,	12.7	1
33	The effects of cryopreservation on the acrosome structure, enzyme activity, motility, and fertility of bovine, ovine, and goat sperm. <i>Animal Reproduction</i> , <b>2021</b> , 17, e20200219	1.7	1
32	Single cell RNA sequencing reveals the landscape of early female germ cell development		1
31	Toxic effects of patulin on mouse oocytes and its possible mechanisms. <i>Toxicology</i> , <b>2021</b> , 464, 153013	4.4	1
30	Cell division cycle 23 is required for mouse oocyte meiotic maturation. <i>FASEB Journal</i> , <b>2020</b> , 34, 8990-9002		1
29	Regulation of [Ca] oscillations and mitochondrial activity by various calcium transporters in mouse oocytes. <i>Reproductive Biology and Endocrinology</i> , <b>2020</b> , 18, 87	5	1

28	Critical Functions of PP2A-Like Protein Phosphatases in Regulating Meiotic Progression. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 638559	5.7	1
27	FBXO34 Regulates the G2/M Transition and Anaphase Entry in Meiotic Oocytes. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 647103	5.7	1
26	The Cyclin B2/CDK1 Complex Conservatively Inhibits Separase Activity in Oocyte Meiosis II. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 648053	5.7	1
25	Mouse-rabbit germinal vesicle transfer reveals that factors regulating oocyte meiotic progression are not species-specific in mammals <b>2001</b> , 289, 322		1
24	Viable rabbits derived from reconstructed Oocytes by germinal vesicle transfer after intracytoplasmic sperm injection (ICSI) <b>2001</b> , 58, 180		1
23	Kinetochore scaffold 1 regulates SAC function during mouse oocyte meiotic maturation.. <i>FASEB Journal</i> , <b>2022</b> , 36, e22210	0.9	1
22	Deletion of BAF250a affects oocyte epigenetic modifications and embryonic development. <i>Molecular Reproduction and Development</i> , <b>2020</b> , 87, 550-564	2.6	0
21	Inhibiting bridge integrator 2 phosphorylation leads to improved oocyte quality, ovarian health and fertility in aging and after chemotherapy in mice. <i>Nature Aging</i> , <b>2021</b> , 1, 1010-1023		0
20	CENP-W regulates kinetochore-microtubule attachment and meiotic progression of mouse oocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 527, 8-14	3.4	0
19	The methylation status in GNAS clusters May Be an epigenetic marker for oocyte quality. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 533, 586-591	3.4	0
18	Inhibition of CDK4/6 kinases causes production of aneuploid oocytes by inactivating the spindle assembly checkpoint and accelerating first meiotic progression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2021</b> , 1868, 119044	4.9	0
17	Potential role of tea extract in oocyte development. <i>Food and Function</i> , <b>2021</b> , 12, 10311-10323	6.1	0
16	Correlation between in vitro fertilization and artificial insemination in Holstein bulls. <i>Animal Bioscience</i> , <b>2021</b> , 34, 1879-1885	0	0
15	Effects of various calcium transporters on mitochondrial Ca changes and oocyte maturation. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 6548-6558	7	0
14	Cell Division Cycle 5-Like Regulates Metaphase-to-Anaphase Transition in Meiotic Oocyte. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 671685	5.7	0
13	Diabetic Uterine Environment Leads to Disorders in Metabolism of Offspring. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 706879	5.7	0
12	Specific deletion of protein phosphatase 6 catalytic subunit in Sertoli cells leads to disruption of spermatogenesis. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 883	9.8	0
11	MAPRE2 regulates the first meiotic progression in mouse oocytes.. <i>Experimental Cell Research</i> , <b>2022</b> , 113135	4.2	0

- 10 Melatonin improves meiosis maturation against diazinon exposure in mouse oocytes.. *Life Sciences*, **2022**, 120611 6.8 0
- 9 Geminin deletion in pre-meiotic DNA replication stage causes spermatogenesis defect and infertility. *Journal of Reproduction and Development*, **2017**, 63, 481-488 2.1
- 8 Regulation of Cytoskeletal Functions in Pig Oocytes. *Microscopy and Microanalysis*, **2003**, 9, 1200-1201 0.5
- 7 Single cell RNA sequencing techniques and applications in research of ovary development and related diseases.. *Reproductive Toxicology*, **2021**, 107, 97-103 3.4
- 6 Optimal reference genes for real-time quantitative PCR and the expression of sigma factors in *Acidithiobacillus caldus* under various conditions. *Journal of Applied Microbiology*, **2021**, 131, 1800-1812 4.7
- 5 Cytoskeletal Functions, Defects, and Dysfunctions Affecting Human Fertilization and Embryo Development **2016**, 355-398
- 4 SRT1720 enhances maturity and quality of oocytes in aged mice. *Animal Science Journal*, **2021**, 92, e136088
- 3 Single-cell RNA sequencing reveals species-specific time spans of cell cycle transitions in early oogenesis. *Human Molecular Genetics*, **2021**, 30, 525-535 5.6
- 2 PTHrP promotes development of mouse preimplantation embryos through the AKT/cyclin D1 pathway and nuclear translocation of HDAC4. *Journal of Cellular Physiology*, **2021**, 236, 7001-7013 7
- 1 Down-Regulation Ovulation-Induction Leads to Favorable Outcomes in a Single Frozen-Thawed Blastocyst Transfer RCT.. *Frontiers in Endocrinology*, **2022**, 13, 797121 5.7