

Follicular Growth and Atresia in Mammalian Ovaries: Role of Granulosa Cells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Role of PACAP in Female Fertility and Reproduction at Gonadal Level – Recent Advances. <i>Frontiers in Endocrinology</i> , 2012, 3, 155.	1.5	39
2	Dioxin exposure reduces the steroidogenic capacity of mouse antral follicles mainly at the level of HSD17B1 without altering atresia. <i>Toxicology and Applied Pharmacology</i> , 2012, 264, 1-12.	1.3	33
3	Diversity of cell death pathways: insight from the fly ovary. <i>Trends in Cell Biology</i> , 2013, 23, 567-574.	3.6	74
4	Regulation of follicle growth and apoptosis in cultured mouse ovaries by NGF and oxygen. <i>Gynecological Endocrinology</i> , 2013, 29, 574-579.	0.7	6
5	Lithium induces follicular atresia in rat ovary through a GSK-3 β / β -catenin dependent mechanism. <i>Molecular Reproduction and Development</i> , 2013, 80, 286-296.	1.0	13
6	Decreased ovarian reserve in female Sprague-Dawley rats induced by isotretinoin (retinoic acid) exposure. <i>Reproductive BioMedicine Online</i> , 2013, 27, 184-191.	1.1	27
7	Follicular cells of the amphibian ovary: Origin, structure, and functions. <i>Russian Journal of Developmental Biology</i> , 2013, 44, 232-244.	0.1	8
8	Bisphenol A inhibits cultured mouse ovarian follicle growth partially via the aryl hydrocarbon receptor signaling pathway. <i>Reproductive Toxicology</i> , 2013, 42, 58-67.	1.3	76
9	Prohibitin (PHB) inhibits apoptosis in rat granulosa cells (GCs) through the extracellular signal-regulated kinase 1/2 (ERK1/2) and the Bcl family of proteins. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 1513-1525.	2.2	45
10	Cyprodinil as an activator of aryl hydrocarbon receptor. <i>Toxicology</i> , 2013, 304, 32-40.	2.0	29
11	Multiscale modelling of ovarian follicular selection. <i>Progress in Biophysics and Molecular Biology</i> , 2013, 113, 398-408.	1.4	28
12	The transcription factor GATA4 is required for follicular development and normal ovarian function. <i>Developmental Biology</i> , 2013, 381, 144-158.	0.9	55
13	Cell death mechanisms during follicular atresia in <i>Dipetalogaster maxima</i> , a vector of Chagas™ disease (Hemiptera: Reduviidae). <i>Journal of Insect Physiology</i> , 2013, 59, 532-541.	0.9	16
14	Concanavalin-A Induces Granulosa Cell Death and Inhibits FSH-Mediated Follicular Growth and Ovarian Maturation in Female Rats. <i>Endocrinology</i> , 2013, 154, 1885-1896.	1.4	5
15	Changes in granulosa cells' gene expression associated with increased oocyte competence in bovine. <i>Reproduction</i> , 2013, 145, 555-565.	1.1	74
16	The Endocrinology of Mammalian Reproduction. , 2013, , 317-374.		2
17	The effects of whole ovarian perfusion and cryopreservation on endothelial cell-related gene expression in the ovarian medulla and pedicle. <i>Molecular Human Reproduction</i> , 2013, 19, 205-215.	1.3	15
18	Roles of poly (ADP-ribose) polymerase (PARP1) cleavage in the ovaries of fetal, neonatal, and adult pigs. <i>Reproduction</i> , 2013, 146, 593-602.	1.1	18

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19	The Role of Mitochondria from Mature Oocyte to Viable Blastocyst. <i>Obstetrics and Gynecology International</i> , 2013, 2013, 1-10.	0.5	177
20	Role of Autophagy in the Ovary Cell Death in Mammals. , 0, , .		3
21	The Ovarian Life Cycle. , 2014, , 157-191.e8.		7
22	1,25-Dihydroxyvitamin D3 increases testosterone-induced 17beta-estradiol secretion and reverses testosterone-reduced connexin 43 in rat granulosa cells. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 90.	1.4	27
23	Homing and Restorative Effects of Bone Marrow-Derived Mesenchymal Stem Cells on Cisplatin Injured Ovaries in Rats. <i>Molecules and Cells</i> , 2014, 37, 865-872.	1.0	96
24	A naturally occurring Î±s1-casein-derived peptide in bovine milk inhibits apoptosis of granulosa cells induced by serum-free conditions. <i>Journal of Peptide Science</i> , 2014, 20, 229-234.	0.8	1
25	MicroRNA-26b Functions as a Proapoptotic Factor in Porcine Follicular Granulosa Cells by Targeting Sma-and Mad-Related Protein 41. <i>Biology of Reproduction</i> , 2014, 91, 146.	1.2	85
26	Impact of Food Restriction on Ovarian Development, <scp>RF</scp> amideâ€Related Peptideâ€3 and the Hypothalamicâ€Pituitaryâ€Ovarian Axis in Preâ€Pubertal Ewes. <i>Reproduction in Domestic Animals</i> , 2014, 49, 831-838.	0.6	10
27	The global effect of follicle-stimulating hormone and tumour necrosis factor Î± on gene expression in cultured bovine ovarian granulosa cells. <i>BMC Genomics</i> , 2014, 15, 72.	1.2	27
28	The WNT/Î²-catenin signaling pathway and expression of survival promoting genes in luteinized granulosa cells: endometriosis as a paradigm for a dysregulated apoptosis pathway. <i>Fertility and Sterility</i> , 2014, 101, 1688-1696.	0.5	50
29	Knockdown of CEBPÎ² by RNAi in porcine granulosa cells resulted in S phase cell cycle arrest and decreased progesterone and estradiol synthesis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 143, 90-98.	1.2	29
30	Androgens regulate ovarian follicular development by increasing follicle stimulating hormone receptor and <i>microRNA-125b</i> expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3008-3013.	3.3	240
31	Comprehensive analysis of S ichuan white geese (<i>Anser cygnoides</i>) transcriptome. <i>Animal Science Journal</i> , 2014, 85, 650-659.	0.6	13
32	MiRâ€92a inhibits porcine ovarian granulosa cell apoptosis by targeting <i>Smad7</i> gene. <i>FEBS Letters</i> , 2014, 588, 4497-4503.	1.3	62
33	Survivin is essential for fertile egg production and female fertility in mice. <i>Cell Death and Disease</i> , 2014, 5, e1154-e1154.	2.7	23
34	Hormonal regulation of c-KIT receptor and its ligand: implications for human infertility?. <i>Progress in Histochemistry and Cytochemistry</i> , 2014, 49, 1-19.	5.1	18
35	Follicle-stimulating hormone regulates expression and activity of epidermal growth factor receptor in the murine ovarian follicle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16778-16783.	3.3	80
36	Soy isoflavones administered to rats from weaning until sexual maturity affect ovarian follicle development by inducing apoptosis. <i>Food and Chemical Toxicology</i> , 2014, 72, 51-60.	1.8	17

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37	IGF1R Signaling Is Necessary for FSH-Induced Activation of AKT and Differentiation of Human Cumulus Granulosa Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2995-3004.	1.8	92
38	Robo1/2 regulate follicle atresia through manipulating granulosa cell apoptosis in mice. <i>Scientific Reports</i> , 2015, 5, 9720.	1.6	14
39	MC-LR Exposure Leads to Subfertility of Female Mice and Induces Oxidative Stress in Granulosa Cells. <i>Toxins</i> , 2015, 7, 5212-5223.	1.5	37
40	RNAi-mediated knockdown of <i>INHBB</i> increases apoptosis and inhibits steroidogenesis in mouse granulosa cells. <i>Journal of Reproduction and Development</i> , 2015, 61, 391-397.	0.5	30
41	Moxibustion Reduces Ovarian Granulosa Cell Apoptosis Associated with Perimenopause in a Natural Aging Rat Model. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-9.	0.5	6
42	AMH mutations with reduced in vitro bioactivity are related to premature ovarian insufficiency. <i>Human Reproduction</i> , 2015, 30, 1196-1202.	0.4	50
43	RNAi-mediated knockdown of inhibin β subunit increased apoptosis in granulosa cells and decreased fertility in mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 152, 161-170.	1.2	14
44	Comparative Physiology, Growth, and Development. , 2015, , 135-171.		1
45	Oocytes lacking <i>O</i> glycans alter follicle development and increase fertility by increasing follicle FSH sensitivity, decreasing apoptosis, and modifying GDF9:BMP15 expression. <i>FASEB Journal</i> , 2015, 29, 525-539.	0.2	10
46	The effect of mono-(2-ethylhexyl) phthalate on apoptosis of rat ovarian granulosa cells in vitro. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 643-650.	2.0	21
47	Stem Cells, Progenitor Cells, and Lineage Decisions in the Ovary. <i>Endocrine Reviews</i> , 2015, 36, 65-91.	8.9	97
48	The role of BH3-only proteins in apoptosis within the ovary. <i>Reproduction</i> , 2015, 149, R81-R89.	1.1	59
49	Prenatal Exposure to the Phytoestrogen Daidzein Resulted in Persistent Changes in Ovarian Surface Epithelial Cell Height, Folliculogenesis, and Estrus Phase Length in Adult Sprague-Dawley Rat Offspring. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015, 78, 635-644.	1.1	17
50	MYBL2 guides autophagy suppressor VDAC2 in the developing ovary to inhibit autophagy through a complex of VDAC2-BECN1-BCL2L1 in mammals. <i>Autophagy</i> , 2015, 11, 1081-1098.	4.3	69
51	The let-7g microRNA promotes follicular granulosa cell apoptosis by targeting transforming growth factor- β type 1 receptor. <i>Molecular and Cellular Endocrinology</i> , 2015, 409, 103-112.	1.6	56
52	High salt intake negatively impacts ovarian follicle development. <i>Annals of Anatomy</i> , 2015, 200, 79-87.	1.0	10
53	The effects of superoxide dismutase addition to the transport medium on cumulus-oocyte complex apoptosis and IVF outcome in cats (<i>Felis catus</i>). <i>Reproductive Biology</i> , 2015, 15, 56-64.	0.9	24
54	Apoptosis in mammalian oocytes: a review. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 1019-1025.	2.2	175

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55	Expression of Mitochondria-Associated Genes (<i>PPARGC1A</i> , <i>NRF1</i> and <i>BCL2</i>) in Ovarian Follicles of Domestic Animals, 2015, 50, 465-473.	0.6	31
56	Lack of FSH support enhances LIF-STAT3 signaling in granulosa cells of atretic follicles in cattle. <i>Reproduction</i> , 2015, 150, 395-403.	1.1	23
57	Aging-related premature luteinization of granulosa cells is avoided by early oocyte retrieval. <i>Journal of Endocrinology</i> , 2015, 226, 167-180.	1.2	69
58	PCNA and apoptosis during post-spawning ovarian remodeling in the teleost <i>Oreochromis niloticus</i> . <i>Tissue and Cell</i> , 2015, 47, 541-549.	1.0	23
59	Readthrough acetylcholinesterase (AChE-R) and regulated necrosis: pharmacological targets for the regulation of ovarian functions?. <i>Cell Death and Disease</i> , 2015, 6, e1685-e1685.	2.7	48
60	Effect of azaline B on follicular development and functions in the hamster. <i>Molecular and Cellular Endocrinology</i> , 2015, 400, 1-9.	1.6	1
61	Hydrogen-rich Water Exerting a Protective Effect on Ovarian Reserve Function in a Mouse Model of Immune Premature Ovarian Failure Induced by Zona Pellucida 3. <i>Chinese Medical Journal</i> , 2016, 129, 2331-2337.	0.9	15
62	Menoprogen, a TCM Herbal Formula for Menopause, Increases Endogenous E_2 in an Aged Rat Model of Menopause by Reducing Ovarian Granulosa Cell Apoptosis. <i>BioMed Research International</i> , 2016, 2016, 1-12.	0.9	7
63	A Network Pharmacology Approach to Explore the Pharmacological Mechanism of Xiaoyao Powder on Anovulatory Infertility. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-13.	0.5	62
64	Critical Role of FoxO1 in Granulosa Cell Apoptosis Caused by Oxidative Stress and Protective Effects of Grape Seed Procyanidin B2. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-16.	1.9	52
65	Astragalgin, a Flavonoid from <i>Morus alba</i> (Mulberry) Increases Endogenous Estrogen and Progesterone by Inhibiting Ovarian Granulosa Cell Apoptosis in an Aged Rat Model of Menopause. <i>Molecules</i> , 2016, 21, 675.	1.7	20
66	Herp depletion arrests the S phase of the cell cycle and increases estradiol synthesis in mouse granulosa cells. <i>Journal of Reproduction and Development</i> , 2016, 62, 159-166.	0.5	15
67	Ovarian Toxicity in Female Rats after Oral Administration of Melamine or Melamine and Cyanuric Acid. <i>PLoS ONE</i> , 2016, 11, e0149063.	1.1	18
68	Long-Term Moderate Oxidative Stress Decreased Ovarian Reproductive Function by Reducing Follicle Quality and Progesterone Production. <i>PLoS ONE</i> , 2016, 11, e0162194.	1.1	60
69	Oxidative Stress Induces Mouse Follicular Granulosa Cells Apoptosis via JNK/FoxO1 Pathway. <i>PLoS ONE</i> , 2016, 11, e0167869.	1.1	52
70	Knockdown of CREB3/Luman by shRNA in Mouse Granulosa Cells Results in Decreased Estradiol and Progesterone Synthesis and Promotes Cell Proliferation. <i>PLoS ONE</i> , 2016, 11, e0168246.	1.1	25
71	Granulosa cell apoptosis by impairing antioxidant defense system and cellular integrity in caprine antral follicles post malathion exposure. <i>Environmental Toxicology</i> , 2016, 31, 1944-1954.	2.1	38
72	Comparison of quartz vials with polypropylene vials for rapid cryopreservation of human ovarian tissue. <i>Journal of Ovarian Research</i> , 2016, 9, 59.	1.3	0

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73	Events in Early Life are Associated with Female Reproductive Ageing: A UK Biobank Study. <i>Scientific Reports</i> , 2016, 6, 24710.	1.6	48
74	Bu Shen Tiao Chong recipe restores diminished ovary reserve through the BDNF pathway. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 795-805.	1.2	6
75	Effect of heat stress on the survival and development of in vitro cultured bovine preantral follicles and on in vitro maturation of cumulus-oocyte complex. <i>Theriogenology</i> , 2016, 86, 994-1003.	0.9	41
76	A lectin-based cell microarray approach to analyze the mammalian granulosa cell surface glycosylation profile. <i>Glycoconjugate Journal</i> , 2016, 33, 717-724.	1.4	12
77	Positive and negative effects of cellular senescence during female reproductive aging and pregnancy. <i>Journal of Endocrinology</i> , 2016, 230, R59-R76.	1.2	38
78	Alternative splicing and cell survival: from tissue homeostasis to disease. <i>Cell Death and Differentiation</i> , 2016, 23, 1919-1929.	5.0	141
79	Effects of chronic heat stress on granulosa cell apoptosis and follicular atresia in mouse ovary. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 57.	2.1	52
80	β -arrestins regulate gonadotropin receptor-mediated cell proliferation and apoptosis by controlling different FSHR or LHCGR intracellular signaling in the hGL5 cell line. <i>Molecular and Cellular Endocrinology</i> , 2016, 437, 11-21.	1.6	63
81	Cryopreservation of ovaries from neonatal marmoset monkeys. <i>Experimental Animals</i> , 2016, 65, 189-196.	0.7	5
82	Age-associated up-regulation of EGR1 promotes granulosa cell apoptosis during follicle atresia in mice through the NF- κ B pathway. <i>Cell Cycle</i> , 2016, 15, 2895-2905.	1.3	53
83	EGF-FSH supplementation reduces apoptosis of pig granulosa cells in co-culture with cumulus-oocyte complexes. <i>Biochemical and Biophysical Research Communications</i> , 2016, 481, 159-164.	1.0	25
84	Multiple roles of hypoxia in ovarian function: roles of hypoxia-inducible factor-related and -unrelated signals during the luteal phase. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1479.	0.1	25
85	Ethnomedical research and review of Qâ€™eqchi Maya women's reproductive health in the Lake Izabal region of Guatemala: Past, present and future prospects. <i>Journal of Ethnopharmacology</i> , 2016, 178, 307-322.	2.0	16
86	Heat stress impairs mice granulosa cell function by diminishing steroids production and inducing apoptosis. <i>Molecular and Cellular Biochemistry</i> , 2016, 412, 81-90.	1.4	51
87	miR-22 inhibits mouse ovarian granulosa cell apoptosis by targeting SIRT1. <i>Biology Open</i> , 2016, 5, 367-371.	0.6	35
88	Great migration: epigenetic reprogramming and germ cell-oocyte metamorphosis determine individual ovarian reserve. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2016, 25, 45-63.	0.3	2
89	Endometriosis as a detrimental condition for granulosa cell steroidogenesis and development: From molecular alterations to clinical impact. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 155, 35-46.	1.2	72
90	The WNT/ β -catenin signaling pathway may be involved in granulosa cell apoptosis from patients with PCOS in North China. <i>Journal of Gynecology Obstetrics and Human Reproduction</i> , 2017, 46, 93-99.	0.6	30

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91	Conserved miR-10 family represses proliferation and induces apoptosis in ovarian granulosa cells. <i>Scientific Reports</i> , 2017, 7, 41304.	1.6	75
92	Mammalian target of rapamycin/eukaryotic initiation factor 4F pathway regulates follicle growth and development of theca cells in mice. <i>Reproduction, Fertility and Development</i> , 2017, 29, 768.	0.1	3
93	Effect of doxorubicin-induced ovarian toxicity on mouse ovarian granulosa cells. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 86, 1-10.	1.3	26
94	Effects of NRF1 on steroidogenesis and apoptosis in goat luteinized granulosa cells. <i>Reproduction</i> , 2017, 154, 111-122.	1.1	26
95	Hatching enzymes disrupt aberrant gonadal degeneration by the autophagy/apoptosis cell fate decision. <i>Scientific Reports</i> , 2017, 7, 3183.	1.6	12
96	Protective effects of Oviductus Ranae-containing serum on oxidative stress-induced apoptosis in rat ovarian granulosa cells. <i>Journal of Ethnopharmacology</i> , 2017, 208, 138-148.	2.0	28
97	BRE modulates granulosa cell death to affect ovarian follicle development and atresia in the mouse. <i>Cell Death and Disease</i> , 2017, 8, e2697-e2697.	2.7	45
98	Knock-down of apoptosis inducing factor gene protects endoplasmic reticulum stress-mediated goat granulosa cell apoptosis. <i>Theriogenology</i> , 2017, 88, 89-97.	0.9	31
99	Gonadotropin-Dependent Neuregulin-1 Signaling Regulates Female Rat Ovarian Granulosa Cell Survival. <i>Endocrinology</i> , 2017, 158, 3647-3660.	1.4	13
100	Î±-SNAP is expressed in mouse ovarian granulosa cells and plays a key role in folliculogenesis and female fertility. <i>Scientific Reports</i> , 2017, 7, 11765.	1.6	12
101	Effect of GOLPH3 on cumulus granulosa cell apoptosis and ICSI pregnancy outcomes. <i>Scientific Reports</i> , 2017, 7, 7863.	1.6	13
102	The stem cell factor (SCF)/c-KIT system in carcinogenesis of reproductive tissues: What does the hormonal regulation tell us?. <i>Cancer Letters</i> , 2017, 405, 10-21.	3.2	14
103	Administration of follicle-stimulating hormone induces autophagy via upregulation of HIF-1Î± in mouse granulosa cells. <i>Cell Death and Disease</i> , 2017, 8, e3001-e3001.	2.7	76
104	<sc><i>Lycium barbarum</i></sc> polysaccharide attenuates chemotherapy-induced ovarian injury by reducing oxidative stress. <i>Journal of Obstetrics and Gynaecology Research</i> , 2017, 43, 1621-1628.	0.6	19
105	MicroRNA-34c regulates porcine granulosa cell function by targeting forkhead box O3a. <i>Journal of Integrative Agriculture</i> , 2017, 16, 2019-2028.	1.7	3
106	The possible FAT1-mediated apoptotic pathways in porcine cumulus cells. <i>Cell Biology International</i> , 2017, 41, 24-32.	1.4	9
107	Roles of Hypoxia in Corpus Luteum Formation. , 2017, , 23-36.		2
108	Xiao-Yao-San, a Chinese Medicine Formula, Ameliorates Chronic Unpredictable Mild Stress Induced Polycystic Ovary in Rat. <i>Frontiers in Physiology</i> , 2017, 8, 729.	1.3	30

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109	Diabetes Induces Abnormal Ovarian Function via Triggering Apoptosis of Granulosa Cells and Suppressing Ovarian Angiogenesis. <i>International Journal of Biological Sciences</i> , 2017, 13, 1297-1308.	2.6	33
110	Expression of factors involved in apoptosis and cell survival is correlated with enzymes synthesizing lysophosphatidic acid and its receptors in granulosa cells originating from different types of bovine ovarian follicles. <i>Reproductive Biology and Endocrinology</i> , 2017, 15, 72.	1.4	18
111	Microscopic Morphology and Apoptosis of Ovarian Tissue after Cryopreservation using a Vitrification Method in Post-Hatching Turkey Poults, &i>Meleagris gallopavo</i>. <i>Journal of Poultry Science</i> , 2017, 54, 303-311.	0.7	6
112	Patterns of Apoptosis and Proliferation throughout the Biennial Reproductive Cycle of Viviparous Female Typhlonectes compressicauda (Amphibia, Gymnophiona). <i>International Journal of Molecular Sciences</i> , 2017, 18, 16.	1.8	6
113	TMCO1 is essential for ovarian follicle development by regulating ER Ca ²⁺ store of granulosa cells. <i>Cell Death and Differentiation</i> , 2018, 25, 1686-1701.	5.0	49
114	Acetylcholine and necroptosis are players in follicular development in primates. <i>Scientific Reports</i> , 2018, 8, 6166.	1.6	19
115	Regulatory roles of ephrinA5 and its novel signaling pathway in mouse primary granulosa cell apoptosis and proliferation. <i>Cell Cycle</i> , 2018, 17, 892-902.	1.3	14
116	Regulation and function of runt-related transcription factors (RUNX1 and RUNX2) in goat granulosa cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 181, 98-108.	1.2	15
117	Follicle capacitation: a meta-analysis to investigate the transcriptome dynamics following follicle-stimulating hormone decline in bovine granulosa cells. <i>Biology of Reproduction</i> , 2018, 99, 877-887.	1.2	13
118	miR-1275 controls granulosa cell apoptosis and estradiol synthesis by impairing LRH-1/CYP19A1 axis. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 246-257.	0.9	42
119	Activated receptor tyrosine kinases in granulosa cells of ovulating follicles in mice. <i>Molecular Reproduction and Development</i> , 2018, 85, 316-324.	1.0	7
120	MicroRNA-379-5p is associated with biochemical premature ovarian insufficiency through PARP1 and XRCC6. <i>Cell Death and Disease</i> , 2018, 9, 106.	2.7	42
121	Changes in keratin 8/18 expression in human granulosa cell lineage are associated to cell death/survival events: potential implications for the maintenance of the ovarian reserve. <i>Human Reproduction</i> , 2018, 33, 680-689.	0.4	8
122	miR-181b-induced SMAD7 downregulation controls granulosa cell apoptosis through TGF β ² signaling by interacting with the TGFBR1 promoter. <i>Journal of Cellular Physiology</i> , 2018, 233, 6807-6821.	2.0	38
123	Germ cell depletion from mammalian ovary: possible involvement of apoptosis and autophagy. <i>Journal of Biomedical Science</i> , 2018, 25, 36.	2.6	45
124	Involvement of Bone Morphogenetic Proteins (BMP) in the Regulation of Ovarian Function. <i>Vitamins and Hormones</i> , 2018, 107, 227-261.	0.7	31
125	Expression of genes for enzymes synthesizing lysophosphatidic acid, its receptors and follicle developmental factors derived from the cumulus-oocyte complex is dependent on the ovarian follicle type in cows. <i>Animal Reproduction Science</i> , 2018, 192, 242-250.	0.5	9
126	Silica nanoparticle exposure inducing granulosa cell apoptosis and follicular atresia in female Balb/c mice. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3423-3434.	2.7	38

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127	Oxidative stress in female cancers. <i>Oncotarget</i> , 2018, 9, 23824-23842.	0.8	68
128	The role of FSH and TGF- β 2 superfamily in follicle atresia. <i>Aging</i> , 2018, 10, 305-321.	1.4	60
129	Activation of CREBZF Increases Cell Apoptosis in Mouse Ovarian Granulosa Cells by Regulating the ERK1/2 and mTOR Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3517.	1.8	10
130	Melatonin Promotes Ubiquitination of Phosphorylated Pro-Apoptotic Protein Bcl-2-Interacting Mediator of Cell Death-Extra Long (BimEL) in Porcine Granulosa Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3431.	1.8	21
131	Heat shock pretreatment of mesenchymal stem cells for inhibiting the apoptosis of ovarian granulosa cells enhanced the repair effect on chemotherapy-induced premature ovarian failure. <i>Stem Cell Research and Therapy</i> , 2018, 9, 240.	2.4	36
132	REVIEW: GERMINAL CELL APOPTOSIS BY HERBAL MEDICINE. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018, 11, 24.	0.3	4
133	Morphological study of apoptosis in granulosa cells and ovulation in a model of atresia in rat preovulatory follicles. <i>Zygote</i> , 2018, 26, 336-341.	0.5	4
134	Long non-coding RNA LINC-01572:28 inhibits granulosa cell growth via a decrease in p27 (Kip1) degradation in patients with polycystic ovary syndrome. <i>EBioMedicine</i> , 2018, 36, 526-538.	2.7	72
135	Toxicological effects of 3-methyl-4-nitrophenol on mouse ovarian and testicular cell proliferation, apoptosis and oocyte maturation. <i>Reproductive Toxicology</i> , 2018, 82, 94-102.	1.3	8
136	Effects of frutalin and doxorubicin on growth, ultrastructure and gene expression in goat secondary follicles cultured in vitro. <i>Research in Veterinary Science</i> , 2018, 120, 33-40.	0.9	1
137	Expression and Functional Analysis of the BCL2-Associated Agonist of Cell Death (BAD) Gene in the Sheep Ovary During the Reproductive Cycle. <i>Frontiers in Endocrinology</i> , 2018, 9, 512.	1.5	8
138	Effects of oil extracts from <i>Arachis hypogea</i> on stem cell factors for follicular maturation and implantation in the superovulated rat. <i>Transactions of the Royal Society of South Africa</i> , 2018, 73, 270-276.	0.8	0
139	Preantral follicular atresia occurs mainly through autophagy, while antral follicles degenerate mostly through apoptosis. <i>Biology of Reproduction</i> , 2018, 99, 853-863.	1.2	44
140	Gonadotropin Receptors. , 2018, , 137-141.		1
141	Clinical correlation of apoptosis in human granulosa cells – A review. <i>Cell Biology International</i> , 2018, 42, 1276-1281.	1.4	53
142	IRS2 depletion inhibits cell proliferation and decreases hormone secretion in mouse granulosa cells. <i>Journal of Reproduction and Development</i> , 2018, 64, 409-416.	0.5	15
143	The effects of dietary levels of genistein on ovarian follicle number and gene expression. <i>Reproductive Toxicology</i> , 2018, 81, 132-139.	1.3	10
144	Granulosa Cell Apoptosis in the Ovarian Follicle – A Changing View. <i>Frontiers in Endocrinology</i> , 2018, 9, 61.	1.5	115

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145	The Mechanism of Melatonin and Its Receptor MT2 Involved in the Development of Bovine Granulosa Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2028.	1.8	21
146	C/EBP β Promotes STAT3 Expression and Affects Cell Apoptosis and Proliferation in Porcine Ovarian Granulosa Cells. <i>Genes</i> , 2018, 9, 295.	1.0	10
147	MicroRNA-16 Promotes Ovarian Granulosa Cell Proliferation and Suppresses Apoptosis Through Targeting PDCD4 in Polycystic Ovarian Syndrome. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 670-682.	1.1	49
148	Effect of resveratrol and metformin on ovarian reserve and ultrastructure in PCOS: an experimental study. <i>Journal of Ovarian Research</i> , 2018, 11, 55.	1.3	122
149	Hormonal stimulation in 4 to 7 months old Nelore (<i>Bos taurus indicus</i>) females improved ovarian follicular responses but not the in vitro embryo production. <i>Theriogenology</i> , 2018, 118, 130-136.	0.9	6
150	Expression of atresia biomarkers in granulosa cells after ovarian stimulation in heifers. <i>Reproduction</i> , 2018, 156, 239-248.	1.1	7
151	JNK/STAT signalling pathway is involved in fluoride-induced follicular developmental dysplasia in female mice. <i>Chemosphere</i> , 2018, 209, 88-95.	4.2	14
152	Ovarian Life Cycle. , 2019, , 167-205.e9.		11
153	Thyroid hormones act as mitogenic and pro survival factors in rat ovarian follicles. <i>Journal of Endocrinological Investigation</i> , 2019, 42, 271-282.	1.8	22
154	Sodium Arsenite Injection Induces Ovarian Oxidative Stress and Affects Steroidogenesis in Rats. <i>Biological Trace Element Research</i> , 2019, 189, 186-193.	1.9	20
155	MicroRNA-181a promotes follicular granulosa cell apoptosis via sphingosine-1-phosphate receptor 1 expression downregulation. <i>Biology of Reproduction</i> , 2019, 101, 975-985.	1.2	18
156	In ovaries with high or low variation in follicle size, granulosa cells of antral follicles exhibit distinct size-related processes. <i>Molecular Human Reproduction</i> , 2019, 25, 614-624.	1.3	8
157	FOXO3 Is Expressed in Ovarian Tissues and Acts as an Apoptosis Initiator in Granulosa Cells of Chickens. <i>BioMed Research International</i> , 2019, 2019, 1-9.	0.9	19
158	Hyperoside protects rat ovarian granulosa cells against hydrogen peroxide-induced injury by sonic hedgehog signaling pathway. <i>Chemico-Biological Interactions</i> , 2019, 310, 108759.	1.7	30
159	Arachidonic Acid Regulation of Intracellular Signaling Pathways and Target Gene Expression in Bovine Ovarian Granulosa Cells. <i>Animals</i> , 2019, 9, 374.	1.0	26
160	Investigating the impact of local inflammation on granulosa cells and follicular development in women with ovarian endometriosis. <i>Fertility and Sterility</i> , 2019, 112, 882-891.e1.	0.5	31
161	Protective effects of hydro-alcoholic extract of foeniculum vulgare and linum usitatissimum on ovarian follicle reserve in the first-generation mouse pups. <i>Heliyon</i> , 2019, 5, e02540.	1.4	15
162	Zearalenone Exposure Induces the Apoptosis of Porcine Granulosa Cells and Changes Long Noncoding RNA Expression To Promote Antiapoptosis by Activating the JAK2-STAT3 Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12117-12128.	2.4	48

#	ARTICLE	IF	CITATIONS
163	P65 Targets FGFR1 to Regulate the Survival of Ovarian Granulosa Cells. <i>Cells</i> , 2019, 8, 1334.	1.8	13
164	Abundances of autophagy-related protein LC3B in granulosa cells, cumulus cells, and oocytes during atresia of pig antral follicles. <i>Animal Reproduction Science</i> , 2019, 211, 106225.	0.5	12
165	Electroacupuncture Enhances Number of Mature Oocytes and Fertility Rates for In Vitro Fertilization. <i>Medical Acupuncture</i> , 2019, 31, 289-297.	0.3	9
166	CircINHA resists granulosa cell apoptosis by upregulating CTGF as a ceRNA of miR-10a-5p in pig ovarian follicles. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 194420.	0.9	35
167	A Simple and Efficient Method for Designing Broadband Terahertz Absorber Based on Singular Graphene Metasurface. <i>Nanomaterials</i> , 2019, 9, 1351.	1.9	33
168	Phospholipase C inhibits apoptosis of porcine primary granulosa cells cultured in vitro. <i>Journal of Ovarian Research</i> , 2019, 12, 90.	1.3	9
169	Insulin mitigates apoptosis of porcine follicular granulosa cells by downregulating BimEL. <i>Reproductive Biology</i> , 2019, 19, 293-298.	0.9	3
170	Effects of Electroacupuncture on Expression of PI3K/Akt/Foxo3a in Granulosa Cells from Women with Shen (Kidney) Deficiency Syndrome Undergoing in vitro Fertilization-Embryo Transfer. <i>Chinese Journal of Integrative Medicine</i> , 2019, 25, 252-258.	0.7	8
171	Effect of Sweet Potato Vine on the Onset of Puberty and Follicle Development in Chinese Meishan Gilts. <i>Animals</i> , 2019, 9, 297.	1.0	5
172	Role of nuclear factor- κ B pathway in the transition of mouse secondary follicles to antral follicles. <i>Journal of Cellular Physiology</i> , 2019, 234, 22565-22580.	2.0	10
173	Autophagy in hypoxic ovary. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3311-3322.	2.4	52
174	Modulatory Effects of Single and Complex Vitamins on the In Vitro Growth of Murine Ovarian Follicles. <i>Tissue Engineering and Regenerative Medicine</i> , 2019, 16, 275-283.	1.6	4
175	Melatonin attenuates palmitic acid-induced mouse granulosa cells apoptosis via endoplasmic reticulum stress. <i>Journal of Ovarian Research</i> , 2019, 12, 43.	1.3	40
176	3,3',4,4',5'-Pentachlorobiphenyl influences mitochondrial apoptosis pathway in granulosa cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 15337-15346.	1.2	8
177	Roles of poly (ADP-ribose) polymerase 1 activation and cleavage in induction of multi-oocyte ovarian follicles in the mouse by 3-nitropropionic acid. <i>Reproduction, Fertility and Development</i> , 2019, 31, 1017.	0.1	5
178	Higher melatonin in the follicle fluid and MT2 expression in the granulosa cells contribute to the OHSS occurrence. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 37.	1.4	17
179	Zuogui Pills inhibit mitochondria-dependent apoptosis of follicles in a rat model of premature ovarian failure. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111855.	2.0	28
180	High-Protein Diet Ameliorates Arsenic-Induced Oxidative Stress and Antagonizes Uterine Apoptosis in Rats. <i>Biological Trace Element Research</i> , 2019, 192, 222-233.	1.9	18

#	ARTICLE	IF	CITATIONS
181	KISS1 Suppresses Apoptosis and Stimulates the Synthesis of E2 in Porcine Ovarian Granulosa Cells. <i>Animals</i> , 2019, 9, 54.	1.0	13
182	Establishment and depletion of the ovarian reserve: physiology and impact of environmental chemicals. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1729-1746.	2.4	60
183	Integrated Analysis of mRNA and miRNA Expression Profiles in the Ovary of <i>Oryctolagus cuniculus</i> in Response to Gonadotrophic Stimulation. <i>Frontiers in Endocrinology</i> , 2019, 10, 744.	1.5	16
184	Growth Hormone and Insulin-Like Growth Factor Action in Reproductive Tissues. <i>Frontiers in Endocrinology</i> , 2019, 10, 777.	1.5	96
185	In Vitro Effects of Vaspin on Porcine Granulosa Cell Proliferation, Cell Cycle Progression, and Apoptosis by Activation of GRP78 Receptor and Several Kinase Signaling Pathways Including MAP3/1, AKT, and STAT3. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5816.	1.8	25
186	Proteome changes of porcine follicular fluid during follicle development. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 94.	2.1	13
187	Autophagy and Apoptosis of Porcine Ovarian Granulosa Cells During Follicular Development. <i>Animals</i> , 2019, 9, 1111.	1.0	31
188	Low MFN2 expression related to ageing in granulosa cells is associated with assisted reproductive technology outcome. <i>Reproductive BioMedicine Online</i> , 2019, 38, 152-158.	1.1	7
189	Effective attenuation of glyphosate-induced oxidative stress and granulosa cell apoptosis by vitamins C and E in caprines. <i>Molecular Reproduction and Development</i> , 2019, 86, 42-52.	1.0	24
190	Protective effects of trehalose on frozen-thawed ovarian granulosa cells of cattle. <i>Animal Reproduction Science</i> , 2019, 200, 14-21.	0.5	6
191	Ochratoxin A Exposure Impairs Porcine Granulosa Cell Growth via the PI3K/AKT Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2679-2690.	2.4	36
192	Loss-of-function of sox3 causes follicle development retardation and reduces fecundity in zebrafish. <i>Protein and Cell</i> , 2019, 10, 347-364.	4.8	26
193	Effects of nitric oxide on steroidogenesis and apoptosis in goat luteinized granulosa cells. <i>Theriogenology</i> , 2019, 126, 55-62.	0.9	16
194	Mitochondria Research in Human Reproduction. , 2019, , 327-335.		7
195	miR-181a promotes porcine granulosa cell apoptosis by targeting TGFBR1 via the activin signaling pathway. <i>Molecular and Cellular Endocrinology</i> , 2020, 499, 110603.	1.6	15
196	Amh regulate female folliculogenesis and fertility in a dose-dependent manner through Amhr2 in Nile tilapia. <i>Molecular and Cellular Endocrinology</i> , 2020, 499, 110593.	1.6	42
197	Continuous gibberellin A3 exposure from weaning to sexual maturity induces ovarian granulosa cell apoptosis by activating Fas-mediated death receptor signaling pathways and changing methylation patterns on caspase-3 gene promoters. <i>Toxicology Letters</i> , 2020, 319, 175-186.	0.4	15
198	Genistein protects ovarian granulosa cells from oxidative stress via cAMP-dependent PKA signaling. <i>Cell Biology International</i> , 2020, 44, 433-445.	1.4	15

#	ARTICLE	IF	CITATIONS
199	Effects of fine particulate matter (PM2.5) on ovarian function and embryo quality in mice. <i>Environment International</i> , 2020, 135, 105338.	4.8	34
200	Role of extracellular vesicles during oocyte maturation and early embryo development. <i>Reproduction, Fertility and Development</i> , 2020, 32, 56.	0.1	19
201	Roles of vitamin D and its receptor in the proliferation and apoptosis of luteinised granulosa cells in the goat. <i>Reproduction, Fertility and Development</i> , 2020, 32, 335.	0.1	13
202	Metabonomics analysis of Zi goose follicular granulosa cells using <i>ENO1</i> gene expression interference. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 838-846.	1.0	2
203	Thyroid hormones T3 and T4 regulate human luteinized granulosa cells, counteracting apoptosis and promoting cell survival. <i>Journal of Endocrinological Investigation</i> , 2020, 43, 821-831.	1.8	17
204	Characterization and expression analysis of <i>sox3</i> in medaka gonads. <i>Aquaculture and Fisheries</i> , 2020, , .	1.2	0
205	Ovarian Dysfunction Induced by Chronic Whole-Body PM2.5 Exposure. <i>Small</i> , 2020, 16, e2000845.	5.2	45
206	Identification of Functional Single Nucleotide Polymorphisms in Porcine <i>HSD17B14</i> Gene Associated with Estrus Behavior Difference between Large White and Mi Gilts. <i>Biomolecules</i> , 2020, 10, 1545.	1.8	4
207	Depletion of <i>GPSM1</i> enhances ovarian granulosa cell apoptosis via cAMP-PKA-CREB pathway in vitro. <i>Journal of Ovarian Research</i> , 2020, 13, 136.	1.3	9
208	<i>STAT4</i> targets <i>KISS1</i> to promote the apoptosis of ovarian granulosa cells. <i>Journal of Ovarian Research</i> , 2020, 13, 135.	1.3	6
209	<i>In vitro</i> activation of ovarian cortex and autologous transplantation: A novel approach to primary ovarian insufficiency and diminished ovarian reserve. <i>Human Reproduction Open</i> , 2020, 2020, hoaa046.	2.3	13
210	Ovarian Rejuvenation Through Platelet-Rich Autologous Plasma (PRP) – a Chance to Have a Baby Without Donor Eggs, Improving the Life Quality of Women Suffering from Early Menopause Without Synthetic Hormonal Treatment. <i>Reproductive Sciences</i> , 2020, 27, 1975-1982.	1.1	29
211	Comparison of the efficacy between bilateral proximal tubal occlusion and total salpingectomy on ovarian reserve and the cholinergic system: an experimental study. <i>Turkish Journal of Medical Sciences</i> , 2020, 50, 1097-1105.	0.4	2
212	Dihydroartemisinin exposure impairs porcine ovarian granulosa cells by activating PERK-eIF2 γ -ATF4 through endoplasmic reticulum stress. <i>Toxicology and Applied Pharmacology</i> , 2020, 403, 115159.	1.3	7
213	Oxidized Oils and Oxidized Proteins Induce Apoptosis in Granulosa Cells by Increasing Oxidative Stress in Ovaries of Laying Hens. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-11.	1.9	9
214	A review of the physiology behind letrozole applications in infertility: are current protocols optimal?. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 2093-2104.	1.2	24
215	Association of an <i>APBA3</i> Missense Variant with Risk of Premature Ovarian Failure in the Korean Female Population. <i>Journal of Personalized Medicine</i> , 2020, 10, 193.	1.1	6
216	Autophagy Contributes to Oxidative Stress-Induced Apoptosis in Porcine Granulosa Cells. <i>Reproductive Sciences</i> , 2021, 28, 2147-2160.	1.1	19

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217	Metabolomic Analysis of SCD during Goose Follicular Development: Implications for Lipid Metabolism. <i>Genes</i> , 2020, 11, 1001.	1.0	9
218	MALDI-TOF Mass Spectrometry Revealed Significant Lipid Variations in Follicular Fluid and Somatic Follicular Cells but Not in Enclosed Oocytes between the Large Dominant and Small Subordinate Follicles in Bovine Ovary. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6661.	1.8	14
219	Therapeutic Effects and Mechanisms of Herbal Medicines for Treating Polycystic Ovary Syndrome: A Review. <i>Frontiers in Pharmacology</i> , 2020, 11, 1192.	1.6	13
220	Metformin Prevents Follicular Atresia in Aging Laying Chickens through Activation of PI3K/AKT and Calcium Signaling Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-23.	1.9	17
221	MiR-21-5p actions at the Smad7 gene during pig ovarian granulosa cell apoptosis. <i>Animal Reproduction Science</i> , 2020, 223, 106645.	0.5	8
222	Comparative Analysis of Porcine Follicular Fluid Proteomes of Small and Large Ovarian Follicles. <i>Biology</i> , 2020, 9, 101.	1.3	7
223	Activation of Steroidogenesis, Anti-Apoptotic Activity, and Proliferation in Porcine Granulosa Cells by RUNX1 Is Negatively Regulated by H3K27me3 Transcriptional Repression. <i>Genes</i> , 2020, 11, 495.	1.0	12
224	Effects of Ochratoxin A exposure on DNA damage in porcine granulosa cells in vitro. <i>Toxicology Letters</i> , 2020, 330, 167-175.	0.4	9
225	A dual death/survival role of autophagy in the adult ovary of <i>Lagostomus maximus</i> (Mammalia)-Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42	1.1	18
226	Granulosa cells provide elimination of apoptotic oocytes through unconventional autophagy-assisted phagocytosis. <i>Human Reproduction</i> , 2020, 35, 1346-1362.	0.4	17
227	The Attenuating Effect of the Intraovarian Bone Morphogenetic Protein 4 on Age-Related Endoplasmic Reticulum Stress in Chicken Follicular Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	1.9	18
228	NORFA, long intergenic noncoding RNA, maintains sow fertility by inhibiting granulosa cell death. <i>Communications Biology</i> , 2020, 3, 131.	2.0	34
229	Chlorogenic acid rescues zearalenone induced injury to mouse ovarian granulosa cells. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110401.	2.9	28
230	Assessing the practice of LuPOR for poor responders: a prospective study evaluating follicular fluid cfDNA levels during natural IVF cycles. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 1183-1194.	1.2	8
231	TNF α -Erk1/2 signaling pathway-regulated SerpinE1 and SerpinB2 are involved in lipopolysaccharide-induced porcine granulosa cell proliferation. <i>Cellular Signalling</i> , 2020, 73, 109702.	1.7	10
232	Transactivation of miR-202-5p by Steroidogenic Factor 1 (SF1) Induces Apoptosis in Goat Granulosa Cells by Targeting TGF β 2R2. <i>Cells</i> , 2020, 9, 445.	1.8	21
233	Effects of vitamin E on nicotine-induced lipid peroxidation in rat granulosa cells: Folliculogenesis. <i>Reproductive Biology</i> , 2020, 20, 63-74.	0.9	13
234	Single-Cell Transcriptomic Atlas of Primate Ovarian Aging. <i>Cell</i> , 2020, 180, 585-600.e19.	13.5	306

#	ARTICLE	IF	CITATIONS
235	Whole-transcriptome analysis of the toxic effects of zearalenone exposure on ceRNA networks in porcine granulosa cells. <i>Environmental Pollution</i> , 2020, 261, 114007.	3.7	26
236	Boron Attenuates Heat Stress-Induced Apoptosis by Inhibiting Endoplasmic Reticulum Stress in Mouse Granulosa Cells. <i>Biological Trace Element Research</i> , 2021, 199, 611-621.	1.9	16
237	Heat stress and thermoregulatory responses of goats: a review. <i>Biological Rhythm Research</i> , 2021, 52, 407-433.	0.4	19
238	Identification of epigenetic interactions between microRNA and DNA methylation associated with polycystic ovarian syndrome. <i>Journal of Human Genetics</i> , 2021, 66, 123-137.	1.1	36
239	Bisphenol A induces apoptosis through GPER-dependent activation of the ROS/Ca ²⁺ -ASK1-JNK pathway in human granulosa cell line KGN. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111429.	2.9	58
240	Long non-coding RNA TCONS_00814106 regulates porcine granulosa cell proliferation and apoptosis by sponging miR-1343. <i>Molecular and Cellular Endocrinology</i> , 2021, 520, 111064.	1.6	15
241	lnc-MAP3K13-7:1 Inhibits Ovarian GC Proliferation in PCOS via DNMT1 Downregulation-Mediated CDKN1A Promoter Hypomethylation. <i>Molecular Therapy</i> , 2021, 29, 1279-1293.	3.7	42
242	Bisphenol AF induces apoptosis via estrogen receptor beta (ER β) and ROS-ASK1-JNK MAPK pathway in human granulosa cell line KGN. <i>Environmental Pollution</i> , 2021, 270, 116051.	3.7	25
243	Expression and functional analysis of the Follistatin-like 3 (FSTL3) gene in the sheep ovary during the oestrous cycle. <i>Reproduction in Domestic Animals</i> , 2021, 56, 427-436.	0.6	1
244	The interference effects of bisphenol A on the synthesis of steroid hormones in human ovarian granulosa cells. <i>Environmental Toxicology</i> , 2021, 36, 665-674.	2.1	27
245	lncRNA GCAT1 is involved in premature ovarian insufficiency by regulating p27 translation in GCs via competitive binding to PTBP1. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 132-141.	2.3	21
246	Morrisonide suppresses hydrogen peroxide-stimulated autophagy and apoptosis in rat ovarian granulosa cells through the PI3K/AKT/mTOR pathway. <i>Human and Experimental Toxicology</i> , 2021, 40, 577-586.	1.1	17
247	The endocrinology of mammalian reproduction. , 2021, , 315-369.		0
248	A functional polymorphism of inhibin alpha subunit at miR-181b-1-3p-binding site regulates proliferation and apoptosis of chicken ovarian granulosa cells. <i>Cell and Tissue Research</i> , 2021, 384, 545-560.	1.5	4
249	miR-18b regulates the function of rabbit ovary granulosa cells. <i>Reproduction, Fertility and Development</i> , 2021, 33, 363.	0.1	1
250	Comparative Study of Bisphenol A and Its Selected Analogues on the Induction of Mitochondrial Mass Loss and Apoptosis in Human Granulosa Cells. <i>Journal of Health and Environmental Research</i> , 2021, 7, 1.	0.2	0
251	Effects of ethanol and nicotine co-administration on follicular atresia and placental histo-morphology in the first-generation mice pups during intrauterine development and lactation periods. <i>Toxicology Reports</i> , 2021, 8, 793-803.	1.6	1
252	USP25 Regulates the Proliferation and Apoptosis of Ovarian Granulosa Cells In Polycystic Ovary Syndrome by Modulating the PI3K/AKT Pathway via Deubiquitinating PTEN. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
253	MiR-181a-5p inhibits goose granulosa cell viability by targeting <i>SIRT1</i> . <i>British Poultry Science</i> , 2021, 62, 373-378.	0.8	2
254	Scutellarin protects mouse ovarian granulosa cells from injury induced by the toxin zearalenone. <i>Food and Function</i> , 2021, 12, 1252-1261.	2.1	16
255	<i>MiR-34c-5p</i> promotes granulosa cells apoptosis by targeting <i>Bcl2</i> in broody goose (<i>Anser cygnoides</i>). <i>Animal Biotechnology</i> , 2022, 33, 1280-1288.	0.7	6
256	Pro-caspase-3 is constitutively expressed in luteinized granulosa cells from women undergoing controlled ovarian stimulation for in vitro fertilization. <i>Acta Histochemica</i> , 2021, 123, 151670.	0.9	1
257	lncRNA MALAT1 Regulates Mouse Granulosa Cell Apoptosis and 17 β -Estradiol Synthesis via Regulating miR-205/CREB1 Axis. <i>BioMed Research International</i> , 2021, 2021, 1-9.	0.9	7
258	Adverse effect of superoxide-induced mitochondrial damage in granulosa cells on follicular development in mouse ovaries. <i>Free Radical Biology and Medicine</i> , 2021, 163, 344-355.	1.3	29
259	Long non-coding RNA lnc-CCNL1-3:1 promotes granulosa cell apoptosis and suppresses glucose uptake in women with polycystic ovary syndrome. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 614-628.	2.3	22
260	Characterization of Long Non-Coding RNA Profiles in Porcine Granulosa Cells of Healthy and Atretic Antral Follicles: Implications for a Potential Role in Apoptosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2677.	1.8	9
261	The Ameliorating Effects of Bushen Huatan Granules and Kunling Wan on Polycystic Ovary Syndrome Induced by Dehydroepiandrosterone in Rats. <i>Frontiers in Physiology</i> , 2021, 12, 525145.	1.3	9
262	CITED4 mediates proliferation, apoptosis and steroidogenesis of Hu sheep granulosa cells in vitro. <i>Reproduction</i> , 2021, 161, 255-267.	1.1	4
263	Luzindole and 4P-PDOT block the effect of melatonin on bovine granulosa cell apoptosis and cell cycle depending on its concentration. <i>PeerJ</i> , 2021, 9, e10627.	0.9	11
264	In Vitro Growth of Human Oocytes. , 2021, , 332-340.		0
265	Resveratrol depolarizes the membrane potential in human granulosa cells and promotes mitochondrial biogenesis. <i>Fertility and Sterility</i> , 2021, 115, 1063-1073.	0.5	20
266	Guizhi Fuling Wan reduces autophagy of granulosa cell in rats with polycystic ovary syndrome via restoring the PI3K/AKT/mTOR signaling pathway. <i>Journal of Ethnopharmacology</i> , 2021, 270, 113821.	2.0	47
267	Melatonin delays ovarian aging in mice by slowing down the exhaustion of ovarian reserve. <i>Communications Biology</i> , 2021, 4, 534.	2.0	19
268	lncRNA ZNF674-AS1 regulates granulosa cell glycolysis and proliferation by interacting with ALDOA. <i>Cell Death Discovery</i> , 2021, 7, 107.	2.0	23
269	Death Processes in Bovine Theca and Granulosa Cells Modelled and Analysed Using a Systems Biology Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4888.	1.8	7
270	Two alternative methods for the retrieval of somatic cell populations from the mouse ovary. <i>Molecular Human Reproduction</i> , 2021, 27, .	1.3	3

#	ARTICLE	IF	CITATIONS
271	Characterization of Glutathione Peroxidase 4 in Rat Oocytes, Preimplantation Embryos, and Selected Maternal Tissues during Early Development and Implantation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5174.	1.8	5
272	Effects of TG interaction factor 1 on synthesis of estradiol and progesterone in granulosa cells of goats through SMAD2/3-SP1 signaling pathway. <i>Animal Reproduction Science</i> , 2021, 229, 106750.	0.5	5
273	Persistent follicular granulosa cell senescence and apoptosis induced by methotrexate leading to oocyte dysfunction and aberrant embryo development. <i>Clinical and Translational Science</i> , 2021, 14, 2043-2054.	1.5	9
274	lncRNA FDNCR promotes apoptosis of granulosa cells by targeting the miR-543-3p/DCN/TGF- β 2 signaling pathway in Hu sheep. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 24, 223-240.	2.3	31
275	DNA methylation mediated RSPO2 to promote follicular development in mammals. <i>Cell Death and Disease</i> , 2021, 12, 653.	2.7	14
276	Granulosa cells affect in vitro maturation and subsequent parthenogenetic development of buffalo (<i>Bubalus bubalis</i>) oocytes. <i>Reproduction in Domestic Animals</i> , 2022, 57, 141-148.	0.6	4
277	MERTK-Mediated LC3-Associated Phagocytosis (LAP) of Apoptotic Substrates in Blood-Separated Tissues: Retina, Testis, Ovarian Follicles. <i>Cells</i> , 2021, 10, 1443.	1.8	12
278	The role of FDX1 in granulosa cell of Polycystic ovary syndrome (PCOS). <i>BMC Endocrine Disorders</i> , 2021, 21, 119.	0.9	24
279	Isorhamnetin Promotes Estrogen Biosynthesis and Proliferation in Porcine Granulosa Cells via the PI3K/Akt Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 6535-6542.	2.4	20
280	Oxidative stress in oocyte aging and female reproduction. <i>Journal of Cellular Physiology</i> , 2021, 236, 7966-7983.	2.0	141
281	Superoxide Dismutase Expression in the Ovaries of Periodontitis Animal Models Induced by <i>Porphyromonas gingivalis</i> and Treated with Cassava Leaves Extract. <i>Annals of Dentistry</i> , 0, 28, 40-46.	0.1	0
282	Curcumin mediates autophagy and apoptosis in granulosa cells: a study of integrated network pharmacology and molecular docking to elucidate toxicological mechanisms. <i>Drug and Chemical Toxicology</i> , 2022, 45, 2411-2423.	1.2	5
283	PPOS Protocol Effectively Improves the IVF Outcome Without Increasing the Recurrence Rate in Early Endometrioid Endometrial Cancer and Atypical Endometrial Hyperplasia Patients After Fertility Preserving Treatment. <i>Frontiers in Medicine</i> , 2021, 8, 581927.	1.2	6
285	Comparison of Age-Related anti-Müllerian Hormone, Inhibin-b Levels and Follicle Reserve in Rat Ovarium. <i>International Journal of Morphology</i> , 2021, 39, 1074-1080.	0.1	0
286	Culture of preantral ovarian follicles of <i>Bos taurus indicus</i> with alpha-lipoic acid. <i>Zygote</i> , 2022, 30, 206-212.	0.5	5
287	In Vitro Production of Embryos from Prepubertal Holstein Cattle and Mediterranean Water Buffalo: Problems, Progress and Potential. <i>Animals</i> , 2021, 11, 2275.	1.0	12
288	FMR1 and AKT/mTOR Signaling in Human Granulosa Cells: Functional Interaction and Impact on Ovarian Response. <i>Journal of Clinical Medicine</i> , 2021, 10, 3892.	1.0	7
289	miR-135a Suppresses Granulosa Cell Growth by Targeting Tgfbr1 and Ccnd2 during Folliculogenesis in Mice. <i>Cells</i> , 2021, 10, 2104.	1.8	4

#	ARTICLE	IF	CITATIONS
290	Mechanisms of OCT4 on 3,5,3â€™-Tri-iodothyronine and FSH-induced Granulosa Cell Development in Female Mice. <i>Endocrinology</i> , 2021, 162, .	1.4	4
291	Prenatal exposure to propylparaben at human-relevant doses accelerates ovarian aging in adult mice. <i>Environmental Pollution</i> , 2021, 285, 117254.	3.7	22
292	SMAD4-induced knockdown of the antisense long noncoding RNA BRE-AS contributes to granulosa cell apoptosis. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 251-263.	2.3	10
293	The impact of isotretinoin on the pituitary-ovarian axis: An interpretative review of the literature. <i>Reproductive Toxicology</i> , 2021, 104, 85-95.	1.3	8
294	Survey of the relationship between polymorphisms within the <i>BMPR1B</i> gene and sheep reproductive traits. <i>Animal Biotechnology</i> , 2023, 34, 718-727.	0.7	10
295	Regulation of Dual Specificity Phosphatases by Fibroblast Growth Factor signaling pathways in bovine granulosa cells. <i>Reproduction</i> , 2021, 162, 367-374.	1.1	3
296	Stereoselective synthesis of (26R)-26-hydroxydiosgenin and its effect on the regulation of rat ovarian function. <i>Bioorganic Chemistry</i> , 2021, 115, 105189.	2.0	2
297	Bisphenol A and bisphenol AF co-exposure induces apoptosis in human granulosa cell line KGN through intracellular stress-dependent mechanisms. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103399.	2.3	5
298	Lnc-GULP1â€™2:1 affects granulosa cell proliferation by regulating COL3A1 expression and localization. <i>Journal of Ovarian Research</i> , 2021, 14, 16.	1.3	10
299	Methylome and transcriptome profiling revealed epigenetic silencing of <i>LPCAT1</i> and <i>PCYT1A</i> associated with lipidome alterations in polycystic ovary syndrome. <i>Journal of Cellular Physiology</i> , 2021, 236, 6362-6375.	2.0	13
300	Catalpol protects rat ovarian granulosa cells against oxidative stress and apoptosis through modulating the PI3K/Akt/mTOR signaling pathway. <i>Bioscience Reports</i> , 2020, 40, .	1.1	21
301	Macrophages: an indispensable piece of ovarian health. <i>Biology of Reproduction</i> , 2021, 104, 527-538.	1.2	31
302	Immunohistological expression of cytochrome P450 1A2 (CYP1A2) in the ovarian follicles of prepubertal and pubertal rat. <i>Journal of Animal Reproduction and Biotechnology</i> , 2020, 35, 329-337.	0.3	3
303	Transcriptome Profiling of the Theca Interna from Bovine Ovarian Follicles during Atresia. <i>PLoS ONE</i> , 2014, 9, e99706.	1.1	39
304	Chi-miR-4110 promotes granulosa cell apoptosis by targeting Sma- and Mad-related protein 2 (Smad2) in the caprine ovary. <i>PLoS ONE</i> , 2017, 12, e0181162.	1.1	13
305	Ethanol promotes apoptosis in rat ovarian granulosa cells via the Bcl-2 family dependent intrinsic apoptotic pathway. <i>Cellular and Molecular Biology</i> , 2018, 64, 118-125.	0.3	16
306	The role of the adiponectin system in acute fasting-impaired mouse ovaries. <i>Reproduction</i> , 2019, 158, 429-440.	1.1	5
307	Advances in human primordial follicle activation and premature ovarian insufficiency. <i>Reproduction</i> , 2020, 159, R15-R29.	1.1	103

#	ARTICLE	IF	CITATIONS
308	miR-21-3p inhibits autophagy of bovine granulosa cells by targeting VEGFA via PI3K/AKT signaling. <i>Reproduction</i> , 2019, 158, 441-452.	1.1	33
309	Effect of somatotropin on survival and diameter of bovine preantral follicles. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2019, 71, 1445-1452.	0.1	2
310	Coherent apoptotic and autophagic activities involved in regression of chicken postovulatory follicles. <i>Aging</i> , 2018, 10, 819-832.	1.4	16
311	Metformin prevents murine ovarian aging. <i>Aging</i> , 2019, 11, 3785-3794.	1.4	34
312	Esculentoside A rescues granulosa cell apoptosis and folliculogenesis in mice with premature ovarian failure. <i>Aging</i> , 2020, 12, 16951-16962.	1.4	17
313	Systemic analysis of gene expression profiles in porcine granulosa cells during aging. <i>Oncotarget</i> , 2017, 8, 96588-96603.	0.8	5
314	The local regulation of folliculogenesis by members of the transforming growth factor superfamily and its relevance for advanced breeding programmes. <i>Animal Reproduction</i> , 2018, 15, 180-190.	0.4	9
315	Extracellular vesicles and its advances in female reproduction. <i>Animal Reproduction</i> , 2019, 16, 31-38.	0.4	8
316	Evidence for existence of molecular stemness markers in porcine ovarian follicular granulosa cells. <i>Medical Journal of Cell Biology (discontinued)</i> , 2019, 7, 183-188.	0.2	11
317	Transcriptome Analysis of Porcine Granulosa Cells in Healthy and Atretic Follicles: Role of Steroidogenesis and Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 22.	2.2	19
318	RNAi-mediated knockdown of MTNR1B without disrupting the effects of melatonin on apoptosis and cell cycle in bovine granulosa cells. <i>PeerJ</i> , 2018, 6, e4463.	0.9	6
319	Metabolic exchanges between the oocyte and its environment: focus on lipids. <i>Reproduction, Fertility and Development</i> , 2022, 34, 1.	0.1	2
320	Hyperin Alleviates Triptolide-Induced Ovarian Granulosa Cell Injury by Regulating AKT/TSC1/mTORC1 Signaling. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-13.	0.5	1
321	Transcriptomic profiling of neonatal mouse granulosa cells reveals new insights into primordial follicle activation. <i>Biology of Reproduction</i> , 2022, 106, 503-514.	1.2	5
322	lncRNA DDGC participates in premature ovarian insufficiency through regulating RAD51 and WT1. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 1092-1106.	2.3	12
323	NORHA, a novel follicular atresia-related lncRNA, promotes porcine granulosa cell apoptosis via the miR-183-96-182 cluster and FoxO1 axis. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 103.	2.1	17
324	Effect of bovine pellucid zone 3 monoclonal antibodies on B cell lymphoma 2 expressions of granulosa cell and mice (<i>Mus musculus</i>) follicle diameter. <i>Asian Pacific Journal of Reproduction</i> , 2017, 6, 13-17.	0.2	0
325	Pengaruh Monoklonal Antibodi Bovine Zona Pelusida 3 (bZP3) terhadap Diameter dan Atresia Folikel Ovarium Mencit (<i>Mus musculus</i>). <i>Majalah Obstetri Dan Ginekologi</i> , 2017, 24, 37.	0.1	0

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326	Pengaruh Monoklonal Antibodi Bovine Zona Pelusida 3 (bZP3) terhadap Diameter dan Atresia Folikel Ovarium Mencit (<i>Mus musculus</i>). <i>Majalah Obstetri Dan Ginekologi</i> , 2018, 24, 37.	0.1	0
327	Pengaruh Stres Kronis Terhadap Apoptosis Sel Granulosa Folikel Antral <i>Rattus Norvegicus</i> . <i>Jurnal Biosains Pascasarjana</i> , 2018, 20, 72.	0.2	2
329	Anatomy and Physiology of Ovarian Follicle. , 2020, , 21-36.		0
330	The Mechanism Exploration of Follicular Fluids on Granulosa Cell Apoptosis in Endometriosis-Associated Infertility. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	5
331	Measuring IGF-1 and IGFBP-3 profiles in women seeking assisted reproduction; response of women categorized as poor-prognosis to recombinant growth hormone adjuvant therapy (Study 4). <i>GSC Biological and Pharmaceutical Sciences</i> , 2020, 13, 064-078.	0.1	1
332	Resveratrol protects human luteinised granulosa cells against hydrogen peroxide-induced oxidative injury through the Sirt1. <i>Reproduction, Fertility and Development</i> , 2021, 33, 831-840.	0.1	8
333	Variations in the Expression Pattern of <i>HSP27</i> and <i>MSK1</i> Genes During the Development of Prehierarchical Follicles in the Zi Geese (<i>Anser Cygnoides</i>). <i>Annals of Animal Science</i> , 2020, 20, 43-53.	0.6	0
334	How Can We Optimize the Granulosa Cell Function of Oocytes from an Endometriosis Patient to Improve the Reproductive Outcomes-A Short Communication?. <i>Perceptions in Reproductive Medicine</i> , 2020, 3, .	0.1	0
335	USP25 Regulates the Proliferation and Apoptosis of Ovarian Granulosa Cells in Polycystic Ovary Syndrome by Modulating the PI3K/AKT Pathway via Deubiquitinating PTEN. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 779718.	1.8	21
336	Fate of the germ cells in mammalian ovary: A review. <i>Journal of Reproductive Health and Medicine</i> , 0, 3, 3.	0.3	2
337	Human ovarian tissue vitrification/warming has minor effect on the expression of apoptosis-related genes. <i>Iranian Biomedical Journal</i> , 2013, 17, 179-86.	0.4	23
338	Extracellular vesicles and its advances in female reproduction. <i>Animal Reproduction</i> , 2020, 16, 31-38.	0.4	2
339	Follicular development, morphological integrity, and oxidative stress in bovine preantral follicles cultured in vitro with ascorbic acid. <i>Zygote</i> , 2021, , 1-7.	0.5	4
340	Age-associated changes in cumulus cells and follicular fluid: the local oocyte microenvironment as a determinant of gamete quality. <i>Biology of Reproduction</i> , 2022, 106, 351-365.	1.2	40
341	Concentrated ambient fine particles exposure affects ovarian follicle development in mice. <i>Ecotoxicology and Environmental Safety</i> , 2022, 231, 113178.	2.9	7
342	Autophagy regulates differentiation of ovarian granulosa cells through degradation of WT1. <i>Autophagy</i> , 2022, 18, 1864-1878.	4.3	40
343	Effect of liver receptor homolog-1 on cell apoptosis and steroid hormone secretion on granulosa cells from Hu sheep. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2022, 58, 21-28.	0.7	0
344	Moxibustion alleviates decreased ovarian reserve in rats by restoring the PI3K/AKT signaling pathway. <i>Journal of Integrative Medicine</i> , 2022, 20, 163-172.	1.4	10

#	ARTICLE	IF	CITATIONS
345	Role of Autophagy in Lysophosphatidylcholine-Induced Apoptosis of Mouse Ovarian Granulosa Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1479.	1.8	10
346	Modulation of atrial natriuretic peptide receptors in ovarian folliculogenesis. <i>Insights in Clinical and Cellular Immunology</i> , 2022, 6, 001-007.	0.1	0
347	Histomorphological Changes in a Rat Model of Polycystic Ovary Syndrome and the Contribution of Stevia Leaf Extract in Modulating the Ovarian Fibrosis, VEGF, and TGF- β 2 Immunoexpressions: Comparison with Metformin. <i>Acta Histochemica Et Cytochemica</i> , 2022, 55, 9-23.	0.8	4
348	MiR-520h inhibits viability and facilitates apoptosis of KGN cells through modulating IL6R and the JAK/STAT pathway. <i>Reproductive Biology</i> , 2022, 22, 100607.	0.9	6
350	Ambient ozone exposure combined with residential greenness in relation to serum sex hormone levels in Chinese rural adults. <i>Environmental Research</i> , 2022, 210, 112845.	3.7	5
351	Codeine alters female reproductive function by targeting ovarian steroidogenesis and folliculogenesis via the induction of oxidative stress, inflammation, and apoptosis. <i>Reproductive Toxicology</i> , 2022, 109, 1-9.	1.3	9
352	IL-15 Participates in the Pathogenesis of Polycystic Ovary Syndrome by Affecting the Activity of Granulosa Cells. <i>Frontiers in Endocrinology</i> , 2022, 13, 787876.	1.5	14
353	Gonadal white adipose tissue is important for gametogenesis in mice through maintenance of local metabolic and immune niches. <i>Journal of Biological Chemistry</i> , 2022, 298, 101818.	1.6	5
354	Lifetime changes of the oocyte pool: Contributing factors with a focus on ovulatory inflammation. <i>Clinical and Experimental Reproductive Medicine</i> , 2022, 49, 16-25.	0.5	5
355	Endoplasmic Reticulum Stress: A New Research Direction for Polycystic Ovary Syndrome?. <i>DNA and Cell Biology</i> , 2022, 41, 356-367.	0.9	3
356	Naringin prevents follicular atresia by inhibiting oxidative stress in the aging chicken. <i>Poultry Science</i> , 2022, 101, 101891.	1.5	11
357	The Role of Inactivated NF- κ B in Premature Ovarian Failure. <i>American Journal of Pathology</i> , 2022, 192, 468-483.	1.9	8
358	Cytosine-phosphate-guanine oligodeoxynucleotides regulate the cell cycle, apoptosis, and steroidogenesis of mouse ovarian granulosa cells by targeting inhibin alpha (1 α -OH) fragments. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2022, 58, 243.	0.7	0
359	Inhibition of Nicotinamide adenine dinucleotide phosphate oxidase 4 attenuates cell apoptosis and oxidative stress in a rat model of polycystic ovary syndrome through the activation of Nrf-2/HO-1 signaling pathway. <i>Molecular and Cellular Endocrinology</i> , 2022, 550, 111645.	1.6	10
360	Effects of 4-vinylcyclohexene diepoxide on the cell cycle, apoptosis, and steroid hormone secretion of goat ovarian granulosa cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2022, 58, 220-231.	0.7	4
361	Chitosan Oligosaccharides Alleviate H ₂ O ₂ -stimulated Granulosa Cell Damage via HIF-1 α Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-15.	1.9	7
362	PITX2 regulates steroidogenesis in granulosa cells of dairy goat by the WNT/ β -catenin pathway. <i>General and Comparative Endocrinology</i> , 2022, 321-322, 114027.	0.8	1
363	Exposure to multiple pyrethroid insecticides affects ovarian follicular development via modifying microRNA expression. <i>Science of the Total Environment</i> , 2022, 828, 154384.	3.9	8

#	ARTICLE	IF	CITATIONS
364	Efficacy of N-acetylcysteine against glyphosate induced oxidative stress and apoptosis in testicular germ cells preventing infertility. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e22979.	1.4	3
365	p-Chloroamphetamine decreases serotonin and induces apoptosis in granulosa cells and follicular atresia in prepubertal female rats. <i>Reproductive Toxicology</i> , 2022, 110, 150-160.	1.3	2
366	Targeted metabolomics analysis of bile acids and cell biology studies reveal the critical role of glycodeoxycholic acid in buffalo follicular atresia. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2022, 221, 106115.	1.2	8
382	Effect of lncRNA MALAT1 on the Granulosa Cell Proliferation and Pregnancy Outcome in Patients With PCOS. <i>Frontiers in Endocrinology</i> , 2022, 13, 825431.	1.5	7
383	Effects of N-acetylcysteine and metformin treatment on the stereopathological characteristics of uterus and ovary. <i>European Journal of Translational Myology</i> , 2022, 32, .	0.8	7
384	Long Non-Coding RNA GDAR Regulates Ovine Granulosa Cells Apoptosis by Affecting the Expression of Apoptosis-Related Genes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5183.	1.8	5
385	Exploring the Mechanism of Yi-Jing Decoction in Treating Polycystic Ovary Syndrome by Using Network Pharmacology. <i>Current Medicinal Chemistry</i> , 2022, 29, .	1.2	3
386	The Effect of Clomiphene Citrate and Letrozole in Apoptotic Pathways and Cell Cycle in Human Primary Cumulus Cells and the Protective Effect of Estradiol. <i>Reproductive Sciences</i> , 2022, , .	1.1	0
387	LARS2 Regulates Apoptosis via ROS-Mediated Mitochondrial Dysfunction and Endoplasmic Reticulum Stress in Ovarian Granulosa Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-18.	1.9	13
388	Effect of roscovitine pretreatment for increased utilization of small follicle-derived oocytes on developmental competence of somatic cell nuclear transfer embryos in pigs. <i>Animal Reproduction Science</i> , 2022, 241, 106987.	0.5	0
389	Paclitaxel is evidence to reduce growing ovarian follicle growth in mice model study. <i>Toxicology in Vitro</i> , 2022, 83, 105386.	1.1	2
390	Neddylation inactivation affects cell cycle and apoptosis in sheep follicular granulosa cells. <i>Journal of Cellular Physiology</i> , 2022, 237, 3278-3291.	2.0	6
391	Hippo Signaling in the Ovary: Emerging Roles in Development, Fertility, and Disease. <i>Endocrine Reviews</i> , 2022, 43, 1074-1096.	8.9	19
392	Extracellular vesicles from follicular fluid may improve the nuclear maturation rate of in vitro matured mare oocytes. <i>Theriogenology</i> , 2022, 188, 116-124.	0.9	11
393	Follicle development in pigs: State of the art. <i>Molecular Reproduction and Development</i> , 2023, 90, 480-490.	1.0	6
394	Relationship between embryo development and apoptotic gene expression of cumulus cells in poor responders and polycystic ovary syndrome. <i>Reproductive BioMedicine Online</i> , 2022, 45, 935-942.	1.1	2
395	Granulosa Cells Improved Mare Oocyte Cytoplasmic Maturation by Providing Collagens. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	1
396	Acupuncture for Female Infertility: Discussion on Action Mechanism and Application. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-17.	0.5	0

#	ARTICLE	IF	CITATIONS
397	Study of differential proteomics in granulosa cells of premature ovarian insufficiency (POI) and the roles and mechanism of RAC1 in granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2022, 555, 111719.	1.6	3
398	Quantitative proteomics analysis to assess protein expression levels in the ovaries of pubescent goats. <i>BMC Genomics</i> , 2022, 23, .	1.2	0
399	<i>Epg5</i> deficiency leads to primary ovarian insufficiency due to WT1 accumulation in mouse granulosa cells. <i>Autophagy</i> , 2023, 19, 644-659.	4.3	12
400	Comparative analysis of the follicular transcriptome of Zhedong white geese (<i>Anser Cygnoides</i>) with different photoperiods. <i>Poultry Science</i> , 2022, 101, 102060.	1.5	2
401	Leptin Promotes Primordial Follicle Activation by Regulating Ovarian Insulin-like Growth Factor System in Chicken. <i>Endocrinology</i> , 2022, 163, .	1.4	1
402	Dynamic in vitro culture of cryopreserved-thawed human ovarian cortical tissue using a microfluidics platform does not improve early folliculogenesis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	5
403	Oocytes Skipped Spawning Through Atresia Is Regulated by Somatic Cells Revealed by Transcriptome Analysis in <i>Pampus argenteus</i> . <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	6
404	<i>LncRNA</i> 412.25 activates the <i>LIF</i> / <i>STAT3</i> signaling pathway in ovarian granulosa cells of Hu sheep by sponging <i>miR</i> 346 . <i>FASEB Journal</i> , 2022, 36, .	0.2	4
405	Tyrosine phosphatase SHP2 in ovarian granulosa cells balances follicular development by inhibiting PI3K/AKT signaling. <i>Journal of Molecular Cell Biology</i> , 2022, 14, .	1.5	2
406	Aquaporin-8 transports hydrogen peroxide to regulate granulosa cell autophagy. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
407	<i>cbx2</i> is a functional target of the <i>let-7</i> family in the gonad of Japanese flounder (<i>Paralichthys</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 347 263, 110799.	0.7	0
408	The insulin-like growth factor and its players: their functions, significance, and consequences in all aspects of ovarian physiology. <i>Middle East Fertility Society Journal</i> , 2022, 27, .	0.5	5
409	Effects of short-term in vitro heat stress on bovine preantral follicles. <i>Livestock Science</i> , 2022, 264, 105076.	0.6	2
411	Jian-Pi-Yi-Shen decoction inhibits mitochondria-dependent granulosa cell apoptosis in a rat model of POF. <i>Aging</i> , 0, , .	1.4	1
412	The effects of natural products and bioactive ingredients of traditional Chinese medicine on apoptosis of ovarian granulosa cells. <i>Journal of Applied Toxicology</i> , 2023, 43, 772-788.	1.4	1
413	High Fat-High Fructose Diet Elicits Hypogonadotropism Culminating in Autophagy-Mediated Defective Differentiation of Ovarian Follicles. <i>Cells</i> , 2022, 11, 3447.	1.8	1
414	Expression of long noncoding RNAs in the ovarian granulosa cells of women with diminished ovarian reserve using high-throughput sequencing. <i>Journal of Ovarian Research</i> , 2022, 15, .	1.3	6
415	RNA-seq identifies differentially expressed genes involved in <i>csal1</i> overexpression in granulosa cells of prehierarchical follicles in Chinese Dagu hens. <i>Poultry Science</i> , 2023, 102, 102310.	1.5	2

#	ARTICLE	IF	CITATIONS
416	Maternal exposure to PM2.5 decreases ovarian reserve in neonatal offspring mice through activating PI3K/AKT/FoxO3a pathway and ROS-dependent NF- κ B pathway. <i>Toxicology</i> , 2022, 481, 153352.	2.0	4
417	Anti-polycystic ovary syndrome effect of electroacupuncture: IMD inhibits ER stress-mediated apoptosis and autophagy in granulosa cells. <i>Biochemical and Biophysical Research Communications</i> , 2022, 634, 159-167.	1.0	0
418	Protective effect of rutin on ferroptosis-induced oxidative stress in aging laying hens through Nrf2/HO-1 signaling. <i>Cell Biology International</i> , 2023, 47, 598-611.	1.4	17
419	Circular RNA circFoxo3 Promotes Granulosa Cell Apoptosis Under Oxidative Stress Through Regulation of FOXO3 Protein. <i>DNA and Cell Biology</i> , 2022, 41, 1026-1037.	0.9	1
420	Immunoendocrine abnormalities in the female reproductive system, and lung steroidogenesis during experimental pulmonary tuberculosis. <i>Tuberculosis</i> , 2023, 138, 102274.	0.8	0
421	A case for ovarian transdifferentiation in six adult captive masculinized lionesses (<i>Panthera leo</i>) in South Africa: Pathological evidence. , 2022, 1, 100012.		0
422	Sphingosine 1-phosphate alleviates radiation-induced ferroptosis in ovarian granulosa cells by upregulating glutathione peroxidase 4. <i>Reproductive Toxicology</i> , 2023, 115, 49-55.	1.3	4
423	Apoptosis and autophagy-related gene transcription during ovarian follicular atresia in European hake (<i>Merluccius merluccius</i>). <i>Marine Environmental Research</i> , 2023, 183, 105846.	1.1	1
424	Long non-coding RNA NEAT1 promotes mouse granulosa cell proliferation and estradiol synthesis by sponging miR-874-3p. <i>Experimental and Therapeutic Medicine</i> , 2022, 25, .	0.8	2
425	Beneficial Effects of Traditional Chinese Medicine in the Treatment of Premature Ovarian Failure. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-12.	0.5	4
426	Activin A Reduces Porcine Granulosa Cells Apoptosis via ER α -Dependent ROS Modulation. <i>Veterinary Sciences</i> , 2022, 9, 704.	0.6	1
427	Low WIP1 Expression Accelerates Ovarian Aging by Promoting Follicular Atresia and Primordial Follicle Activation. <i>Cells</i> , 2022, 11, 3920.	1.8	1
428	New AMH cutoff values for warning of decreased ovarian response based on MCL characteristics in young women: a retrospective study using a propensity score-matching analysis. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, .	0.9	1
429	The Role of Circular RNAs in the Physiology and Pathology of the Mammalian Ovary. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15204.	1.8	8
430	DNMT1-mediated lncRNA IFFD controls the follicular development via targeting GLI1 by sponging miR-370. <i>Cell Death and Differentiation</i> , 2023, 30, 576-588.	5.0	8
431	PHB2 binds to ER α to induce the autophagy of porcine ovarian granulosa cells through mTOR phosphorylation. <i>Theriogenology</i> , 2023, 198, 114-122.	0.9	1
432	Dissection of the autophagic route in oocytes from atretic follicles. <i>Biology of the Cell</i> , 0, , .	0.7	1
433	High and low dose of luzindole or 4-phenyl-2-propionamidotetralin (4-P-PDOT) reverse bovine granulosa cell response to melatonin. <i>PeerJ</i> , 0, 11, e14612.	0.9	1

#	ARTICLE	IF	CITATIONS
434	Integrated transcriptome and proteome revealed that the declined expression of cell cycle-related genes associated with follicular atresia in geese. <i>BMC Genomics</i> , 2023, 24, .	1.2	4
435	Integrated analysis of lncRNA and mRNA for the apoptosis of porcine ovarian granulosa cells after polyphenol resveratrol treatment. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	6
436	Iron overload modulates follicular microenvironment via ROS/HIF-1 α /FSHR signaling. <i>Free Radical Biology and Medicine</i> , 2023, 196, 37-52.	1.3	9
437	Lipid droplet synthesis is associated with angiogenesis in mouse ovarian follicles. <i>Biology of Reproduction</i> , 0, , .	1.2	1
438	Repeated Superovulation Accelerates Primordial Follicle Activation and Atresia. <i>Cells</i> , 2023, 12, 92.	1.8	4
439	NEDD4L facilitates granulosa cell ferroptosis by promoting GPX4 ubiquitination and degradation. <i>Endocrine Connections</i> , 2023, 12, .	0.8	7
440	Follicular fluid progesterone down-regulated HPGD and COX2 in granulosa cells via suppressing NF- κ B in endometriosis. <i>Biology of Reproduction</i> , 0, , .	1.2	1
441	Expression and Localization of Fas-Associated Factor 1 in Testicular Tissues of Different Ages and Ovaries at Different Reproductive Cycle Phases of <i>Bos grunniens</i> . <i>Animals</i> , 2023, 13, 340.	1.0	1
442	Alterations in gonadotropin, apoptotic and metabolic pathways in granulosa cells warrant superior fertility of the Dummerstorf high fertility mouse line 1. <i>Journal of Ovarian Research</i> , 2023, 16, .	1.3	2
443	Pterostilbene ameliorates oxidative damage and ferroptosis in human ovarian granulosa cells by regulating the Nrf2/HO-1 pathway. <i>Archives of Biochemistry and Biophysics</i> , 2023, 738, 109561.	1.4	6
444	Impairment of steroidogenesis and follicle development after bisphenol A exposure during pregnancy and lactation in the ovaries of Mongolian gerbils aged females. <i>Molecular and Cellular Endocrinology</i> , 2023, 566-567, 111892.	1.6	1
445	The protective effect of resveratrol on largemouth bass (<i>Micropterus salmoides</i>) during out-of-season spawning. <i>Fish and Shellfish Immunology</i> , 2023, 136, 108688.	1.6	2
446	Effects of chronically exogenous oxytocin on ovary and uterus: A comparison of intraperitoneal and intranasal administration. <i>Peptides</i> , 2023, 165, 171006.	1.2	0
447	Microcystin-LR accelerates follicular atresia in mice via JNK-mediated adherent junction damage of ovarian granulosa cells. <i>Ecotoxicology and Environmental Safety</i> , 2023, 252, 114592.	2.9	4
448	Ferredoxin 1 regulates granulosa cell apoptosis and autophagy in polycystic ovary syndrome. <i>Clinical Science</i> , 2023, 137, 453-468.	1.8	6
449	Unveiling uterine aging: Much more to learn. <i>Ageing Research Reviews</i> , 2023, 86, 101879.	5.0	8
450	Non-Esterified Fatty Acid-Induced Apoptosis in Bovine Granulosa Cells via ROS-Activated PI3K/AKT/FoxO1 Pathway. <i>Antioxidants</i> , 2023, 12, 434.	2.2	6
451	Sirtuin 3 regulation: a target to alleviate β -hydroxybutyric acid-induced mitochondrial dysfunction in bovine granulosa cells. <i>Journal of Animal Science and Biotechnology</i> , 2023, 14, .	2.1	2

#	ARTICLE	IF	CITATIONS
452	Protective effect of L-carnitine against oxidative stress injury in human ovarian granulosa cells. <i>Experimental and Therapeutic Medicine</i> , 2023, 25, .	0.8	0
453	1 α ,25(OH) $_2$ D $_3$ Promotes the Autophagy of Porcine Ovarian Granulosa Cells as a Protective Mechanism against ROS through the BNIP3/PINK1 Pathway. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4364.	1.8	0
454	Differences in metabonomic profiles of abdominal subcutaneous adipose tissue in women with polycystic ovary syndrome. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	1
455	Resveratrol improves ovarian state by inhibiting apoptosis of granulosa cells. <i>Gynecological Endocrinology</i> , 2023, 39, .	0.7	7
456	Clinical Benefit of Autologous Platelet-Rich Plasma Infusion in Ovarian Function Rejuvenation: Evidence from a Before-After Prospective Pilot Study. <i>Medicines (Basel, Switzerland)</i> , 2023, 10, 19.	0.7	4
458	SDNOR, a Novel Antioxidative lncRNA, Is Essential for Maintaining the Normal State and Function of Porcine Follicular Granulosa Cells. <i>Antioxidants</i> , 2023, 12, 799.	2.2	2
459	MiR-202-5p Regulates Geese Follicular Selection by Targeting BTBD10 to Regulate Granulosa Cell Proliferation and Apoptosis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6792.	1.8	1
461	Mechanisms of ovarian aging in women: a review. <i>Journal of Ovarian Research</i> , 2023, 16, .	1.3	12
462	MicroRNA-24-3p promotes proliferation and inhibits apoptosis of porcine granulosa cells by targeting P27. <i>Journal of Integrative Agriculture</i> , 2023, , .	1.7	0
463	LncRNA MEG3 regulates ASK1/JNK axis-mediated apoptosis and autophagy via sponging miR-23a in granulosa cells of yak tertiary follicles. <i>Cellular Signalling</i> , 2023, 107, 110680.	1.7	4
492	Regulation of steroid production. , 2023, , 93-125.		0
531	Histological and Cytological Techniques to Study Perinatal Mouse Ovaries and Oocytes. <i>Methods in Molecular Biology</i> , 2024, , 151-170.	0.4	0