Wenchang Zhang

List of Publications by Year
in descending order

38 papers	831 citations	516710 16 h-index	501196 28 g-index
38 all docs	38 docs citations	38 times ranked	826 citing authors

#	Article	IF	Citations
1	2,5-Hexanedione induces human ovarian granulosa cell apoptosis through BCL-2, BAX, and CASPASE-3 signaling pathways. Archives of Toxicology, 2012, 86, 205-215.	4.2	80
2	Cadmium exerts toxic effects on ovarian steroid hormone release in rats. Toxicology Letters, 2008, 182, 18-23.	0.8	75
3	Prepubertal bisphenol A exposure interferes with ovarian follicle development and its relevant gene expression. Reproductive Toxicology, 2014, 44, 33-40.	2.9	55
4	Continuous cadmium exposure from weaning to maturity induces downregulation of ovarian follicle development-related SCF/c-kit gene expression and the corresponding changes of DNA methylation/microRNA pattern. Toxicology Letters, 2014, 225, 367-377.	0.8	49
5	Effect and mechanism of cadmium on the progesterone synthesis of ovaries. Toxicology, 2007, 239, 204-212.	4.2	46
6	Comparative studies on the increase of uterine weight and related mechanisms of cadmium and p-nonylphenol. Toxicology, 2007, 241, 84-91.	4.2	44
7	Di(2â€ethylhexyl) phthalate (DEHP) influences follicular development in mice between the weaning period and maturity by interfering with ovarian development factors and microRNAs. Environmental Toxicology, 2018, 33, 535-544.	4.0	39
8	The Increase of ROS Caused by the Interference of DEHP with JNK/p38/p53 Pathway as the Reason for Hepatotoxicity. International Journal of Environmental Research and Public Health, 2019, 16, 356.	2.6	34
9	High copper levels in follicular fluid affect follicle development in polycystic ovary syndrome patients: Population-based and in vitro studies. Toxicology and Applied Pharmacology, 2019, 365, 101-111.	2.8	34
10	Cadmium exposure in newborn rats ovary induces developmental disorders of primordial follicles and the differential expression of SCF/c-kit gene. Toxicology Letters, 2017, 280, 20-28.	0.8	27
11	Cadmium induces ovarian granulosa cell damage by activating PERK-eIF2Î±-ATF4 through endoplasmic reticulum stress. Biology of Reproduction, 2019, 100, 292-299.	2.7	27
12	Effect of cadmium on kitl preâ€mRNA alternative splicing in murine ovarian granulosa cells and its associated regulation by miRNAs. Journal of Applied Toxicology, 2018, 38, 227-239.	2.8	25
13	Effects of cadmium on organ function, gut microbiota and its metabolomics profile in adolescent rats. Ecotoxicology and Environmental Safety, 2021, 222, 112501.	6.0	24
14	Cadmium exposure during prenatal development causes testosterone disruption in multigeneration via SF-1 signaling in rats. Food and Chemical Toxicology, 2020, 135, 110897.	3.6	23
15	Prenatal Poly I:C Challenge Affects Behaviors and Neurotransmission via Elevated Neuroinflammation Responses in Female Juvenile Rats. International Journal of Neuropsychopharmacology, 2022, 25, 160-171.	2.1	18
16	Soy isoflavones administered to rats from weaning until sexual maturity affect ovarian follicle development by inducing apoptosis. Food and Chemical Toxicology, 2014, 72, 51-60.	3.6	17
17	The role of miRNAs in regulating the effect of prenatal cadmium exposure on ovarian granulosa cells in a transgenerational manner in female rats. Food and Chemical Toxicology, 2021, 150, 112062.	3.6	17
18	C-myc promotes miR-92a-2-5p transcription in rat ovarian granulosa cells after cadmium exposure. Toxicology and Applied Pharmacology, 2021, 421, 115536.	2.8	16

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19	Activity of MPF and expression of its related genes in mouse MI oocytes exposed to cadmium. Food and Chemical Toxicology, 2018, 112, 332-341.	3.6	15
20	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. Toxicology Letters, 2020, 319, 175-186.	0.8	15
21	Cadmium exposure during prenatal development causes progesterone disruptors in multiple generations via steroidogenic enzymes in rat ovarian granulosa cells. Ecotoxicology and Environmental Safety, 2020, 201, 110765.	6.0	15
22	Gestational N-hexane inhalation alters the expression of genes related to ovarian hormone production and DNA methylation states in adult female F1 rat offspring. Toxicology Letters, 2015, 239, 141-151.	0.8	14
23	Changes in DNA Methylation of Oocytes and Granulosa Cells Assessed by HELMET during Folliculogenesis in Mouse Ovary. Acta Histochemica Et Cytochemica, 2018, 51, 93-100.	1.6	14
24	MicroRNA-204-5p regulates apoptosis by targeting Bcl2 in rat ovarian granulosa cells exposed to cadmiumâ€. Biology of Reproduction, 2020, 103, 608-619.	2.7	14
25	Apoptosis of rat ovarian granulosa cells by 2,5â€hexanedione in vitro and its relevant gene expression. Journal of Applied Toxicology, 2013, 33, 661-669.	2.8	13
26	Continuous soy isoflavones exposure from weaning to maturity induces downregulation of ovarian steroidogenic factor 1 gene expression and corresponding changes in DNA methylation pattern. Toxicology Letters, 2017, 281, 175-183.	0.8	12
27	Nâ€hexane inhalation during pregnancy alters DNA promoter methylation in the ovarian granulosa cells of rat offspring. Journal of Applied Toxicology, 2014, 34, 841-856.	2.8	11
28	Using Employment Data From a Medical University to Examine the Current Occupation Situation of Master's Graduates in Public Health and Preventive Medicine in China. Frontiers in Public Health, 2020, 8, 508109.	2.7	8
29	Anti-MÃ¼llerian hormone participates in ovarian granulosa cell damage due to cadmium exposure by negatively regulating stem cell factor. Reproductive Toxicology, 2020, 93, 54-60.	2.9	8
30	Dynamic comparison of gut microbiota of mice infected with Shigellaï¿½flexneri via two different infective routes. Experimental and Therapeutic Medicine, 2020, 19, 2273-2281.	1.8	7
31	Maternal genetic effect on apoptosis of ovarian granulosa cells induced by cadmium. Food and Chemical Toxicology, 2022, 165, 113079.	3.6	7
32	The role of microRNAs in regulating cadmium-induced apoptosis by targeting Bcl-2 in IEC-6 cells. Toxicology and Applied Pharmacology, 2021, 432, 115737.	2.8	6
33	Methods for Evaluation of Ovarian Granulosa Cells with Exposure to Nanoparticles. Methods in Molecular Biology, 2019, 1894, 73-81.	0.9	5
34	Cadmium disrupts mouse embryonic stem cell differentiation into ovarian granulosa cells through epigenetic mechanisms. Ecotoxicology and Environmental Safety, 2022, 235, 113431.	6.0	5
35	2,5-Hexanedione influences primordial follicular development in cultured neonatal mouse ovaries by interfering with the PI3K signaling pathway via miR-214-3p. Toxicology and Applied Pharmacology, 2020, 409, 115335.	2.8	4
36	Characteristics of COVID-2019 in areas epidemic from imported cases. International Journal of Public Health, 2020, 65, 741-746.	2.3	3

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37	The impact of n-hexane on the secretion of mouse estrogen and progesterone. Advances in Bioscience and Biotechnology (Print), 2011, 02, 429-433.	0.7	3
38	Waist Circumference Coupled with Either HDL-C or TG Can Be Used as a Diagnostic Marker for Metabolic Syndrome in Chinese Women with Polycystic Ovary Syndrome. International Journal of Endocrinology, 2018, 2018, 1-9.	1.5	2