

Yong Zhao

List of Publications by Year in descending order

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73
papers

1,917
citations

201658

27
h-index

330122

37
g-index

75
all docs

75
docs citations

75
times ranked

2090
citing authors

#	ARTICLE	IF	CITATIONS
1	Perfluorooctanoic Acid Effects on Steroid Hormone and Growth Factor Levels Mediate Stimulation of Peripubertal Mammary Gland Development in C57Bl/6 Mice. <i>Toxicological Sciences</i> , 2010, 115, 214-224.	3.1	98
2	Alginate oligosaccharides improve germ cell development and testicular microenvironment to rescue busulfan disrupted spermatogenesis. <i>Theranostics</i> , 2020, 10, 3308-3324.	10.0	72
3	Improvement in sperm quality and spermatogenesis following faecal microbiota transplantation from alginate oligosaccharide dosed mice. <i>Gut</i> , 2021, 70, 222-225.	12.1	68
4	Microbiota from alginate oligosaccharide-dosed mice successfully mitigated small intestinal mucositis. <i>Microbiome</i> , 2020, 8, 112.	11.1	62
5	Effects of glutathione reductase inhibition on cellular thiol redox state and related systems. <i>Archives of Biochemistry and Biophysics</i> , 2009, 485, 56-62.	3.0	56
6	Melatonin protects prepubertal testis from deleterious effects of bisphenol A or diethylhexyl phthalate by preserving H3K9 methylation. <i>Journal of Pineal Research</i> , 2018, 65, e12497.	7.4	51
7	Mycotoxin zearalenone exposure impairs genomic stability of swine follicular granulosa cells <i>in vitro</i> . <i>International Journal of Biological Sciences</i> , 2018, 14, 294-305.	6.4	48
8	Increase in thiol oxidative stress via glutathione reductase inhibition as a novel approach to enhance cancer sensitivity to X-ray irradiation. <i>Free Radical Biology and Medicine</i> , 2009, 47, 176-183.	2.9	47
9	Inactivation of Rac1 reduces Trastuzumab resistance in PTEN deficient and insulin-like growth factor I receptor overexpressing human breast cancer SKBR3 cells. <i>Cancer Letters</i> , 2011, 313, 54-63.	7.2	47
10	Perfluorooctanoic acid effects on ovaries mediate its inhibition of peripubertal mammary gland development in Balb/c and C57Bl/6 mice. <i>Reproductive Toxicology</i> , 2012, 33, 563-576.	2.9	45
11	Pubertal high fat diet: effects on mammary cancer development. <i>Breast Cancer Research</i> , 2013, 15, R100.	5.0	41
12	Oocyte exposure to ZnO nanoparticles inhibits early embryonic development through the γ -H2AX and NF- κ B signaling pathways. <i>Oncotarget</i> , 2017, 8, 42673-42692.	1.8	39
13	Hydrogen Sulfide and/or Ammonia Reduces Spermatozoa Motility through AMPK/AKT Related Pathways. <i>Scientific Reports</i> , 2016, 6, 37884.	3.3	38
14	Regulation of neuroendocrine cells and neuron factors in the ovary by zinc oxide nanoparticles. <i>Toxicology Letters</i> , 2016, 256, 19-32.	0.8	38
15	Single-cell RNA sequencing analysis reveals alginate oligosaccharides preventing chemotherapy-induced mucositis. <i>Mucosal Immunology</i> , 2020, 13, 437-448.	6.0	38
16	Rescue of male fertility following faecal microbiota transplantation from alginate oligosaccharide-dosed mice. <i>Gut</i> , 2021, 70, 2213-2215.	12.1	38
17	The role of autophagy during murine primordial follicle assembly. <i>Aging</i> , 2018, 10, 197-211.	3.1	37
18	Low dose chlorothalonil impairs mouse spermatogenesis through the intertwining of Estrogen Receptor Pathways with histone and DNA methylation. <i>Chemosphere</i> , 2019, 230, 384-395.	8.2	37

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19	Exposure to Zinc oxide nanoparticles during pregnancy induces oocyte DNA damage and affects ovarian reserve of mouse offspring. <i>Aging</i> , 2018, 10, 2170-2189.	3.1	36
20	Regulation of egg quality and lipids metabolism by Zinc Oxide Nanoparticles. <i>Poultry Science</i> , 2016, 95, 920-933.	3.4	35
21	Low dose carbendazim disrupts mouse spermatogenesis might Be through estrogen receptor related histone and DNA methylation. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 242-249.	6.0	35
22	Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can Be inheritable. <i>Chemosphere</i> , 2018, 194, 147-157.	8.2	34
23	Effect of low-dose zearalenone exposure on reproductive capacity of male mice. <i>Toxicology and Applied Pharmacology</i> , 2017, 333, 60-67.	2.8	33
24	Ochratoxin A exposure decreased sperm motility via the AMPK and PTEN signaling pathways. <i>Toxicology and Applied Pharmacology</i> , 2018, 340, 49-57.	2.8	30
25	Zearalenone-induced aberration in the composition of the gut microbiome and function impacts the ovary reserve. <i>Chemosphere</i> , 2020, 244, 125493.	8.2	30
26	Differential Regulation of Gene and Protein Expression by Zinc Oxide Nanoparticles in Hen's Ovarian Granulosa Cells: Specific Roles of Nanoparticles. <i>PLoS ONE</i> , 2015, 10, e0140499.	2.5	30
27	Molecular evidence of offspring liver dysfunction after maternal exposure to zinc oxide nanoparticles. <i>Toxicology and Applied Pharmacology</i> , 2017, 329, 318-325.	2.8	29
28	Zearalenone exposure elevated the expression of tumorigenesis genes in mouse ovarian granulosa cells. <i>Toxicology and Applied Pharmacology</i> , 2018, 356, 191-203.	2.8	29
29	miR-15b negatively correlates with lipid metabolism in mammary epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 314, C43-C52.	4.6	28
30	Gestational exposure to low-dose zearalenone disrupting offspring spermatogenesis might be through epigenetic modifications. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 125, 382-393.	2.5	28
31	Regulation of steroid hormones and energy status with cysteamine and its effect on spermatogenesis. <i>Toxicology and Applied Pharmacology</i> , 2016, 313, 149-158.	2.8	27
32	MicroRNA-221 may be involved in lipid metabolism in mammary epithelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 97, 118-127.	2.8	27
33	Gut microbiota-testis axis: FMT improves systemic and testicular micro-environment to increase semen quality in type 1 diabetes. <i>Molecular Medicine</i> , 2022, 28, 45.	4.4	26
34	Regulation of MicroRNAs, and the Correlations of MicroRNAs and Their Targeted Genes by Zinc Oxide Nanoparticles in Ovarian Granulosa Cells. <i>PLoS ONE</i> , 2016, 11, e0155865.	2.5	25
35	Pubertal and adult windows of susceptibility to a high animal fat diet in <i>Trp53-null</i> mammary tumorigenesis. <i>Oncotarget</i> , 2016, 7, 83409-83423.	1.8	25
36	Alteration of gene expression by zinc oxide nanoparticles or zinc sulfate <i>in vivo</i> and comparison with <i>in vitro</i> data: A harmonious case. <i>Theriogenology</i> , 2016, 86, 850-861.e1.	2.1	24

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37	Pubertal exposure to low doses of zearalenone disrupting spermatogenesis through ER α related genetic and epigenetic pathways. <i>Toxicology Letters</i> , 2019, 315, 31-38.	0.8	24
38	Puberty-specific promotion of mammary tumorigenesis by a high animal fat diet. <i>Breast Cancer Research</i> , 2015, 17, 138.	5.0	23
39	LncRNA as ceRNAs may be involved in lactation process. <i>Oncotarget</i> , 2017, 8, 98014-98028.	1.8	23
40	RNA-seq based gene expression analysis of ovarian granulosa cells exposed to zearalenone <i>in vitro</i> : significance to steroidogenesis. <i>Oncotarget</i> , 2017, 8, 64001-64014.	1.8	23
41	MicroRNA-126 participates in lipid metabolism in mammary epithelial cells. <i>Molecular and Cellular Endocrinology</i> , 2017, 454, 77-86.	3.2	21
42	Analysis of the SNP loci around transcription start sites related to goat fecundity trait base on whole genome resequencing. <i>Gene</i> , 2018, 643, 1-6.	2.2	21
43	Chlorothalonil inhibits mouse ovarian development through endocrine disruption. <i>Toxicology Letters</i> , 2019, 303, 38-47.	0.8	21
44	Toxic effects and possible mechanisms following malathion exposure in porcine granulosa cells. <i>Environmental Toxicology and Pharmacology</i> , 2018, 64, 172-180.	4.0	19
45	Zinc Oxide Nanoparticle Caused Plasma Metabolomic Perturbations Correlate with Hepatic Steatosis. <i>Frontiers in Pharmacology</i> , 2018, 9, 57.	3.5	19
46	β -carotene improves oocyte development and maturation under oxidative stress <i>in vitro</i> . <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2019, 55, 548-558.	1.5	19
47	scRNA-seq of ovarian follicle granulosa cells from different fertility goats reveals distinct expression patterns. <i>Reproduction in Domestic Animals</i> , 2021, 56, 801-811.	1.4	19
48	Phosphatidylcholine could protect the defect of zearalenone exposure on follicular development and oocyte maturation. <i>Aging</i> , 2018, 10, 3486-3506.	3.1	19
49	Toxic effects and possible mechanisms of hydrogen sulfide and/or ammonia on porcine oocyte maturation <i>in vitro</i> . <i>Toxicology Letters</i> , 2018, 285, 20-26.	0.8	18
50	Alginate oligosaccharides enhance small intestine cell integrity and migration ability. <i>Life Sciences</i> , 2020, 258, 118085.	4.3	17
51	Low doses of carbendazim and chlorothalonil synergized to impair mouse spermatogenesis through epigenetic pathways. <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109908.	6.0	16
52	Gut Microbiota-Testis Axis: FMT Mitigates High-Fat Diet-Diminished Male Fertility via Improving Systemic and Testicular Metabolome. <i>Microbiology Spectrum</i> , 2022, 10, e0002822.	3.0	16
53	CircRNA as CeRNA mediated by microRNA may be involved in goat lactation. <i>Small Ruminant Research</i> , 2019, 171, 63-72.	1.2	15
54	Fenoxaprop-ethyl affects mouse oocyte quality and the underlying mechanisms. <i>Pest Management Science</i> , 2019, 75, 844-851.	3.4	14

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55	Tissue-Specific Regulation of the Contents and Correlations of Mineral Elements in Hens by Zinc Oxide Nanoparticles. <i>Biological Trace Element Research</i> , 2017, 177, 353-366.	3.5	13
56	Chestnut polysaccharides benefit spermatogenesis through improvement in the expression of important genes. <i>Aging</i> , 2020, 12, 11431-11445.	3.1	13
57	Nicotine exposure impairs germ cell development in human fetal ovaries cultured in vitro. <i>Aging</i> , 2018, 10, 1556-1574.	3.1	11
58	Single-Cell Transcriptome Sequencing and Proteomics Reveal Neonatal Ileum Dynamic Developmental Potentials. <i>MSystems</i> , 2021, 6, e0072521.	3.8	11
59	Estrogen Receptor-Related DNA and Histone Methylation May Be Involved in the Transgenerational Disruption in Spermatogenesis by Selective Toxic Chemicals. <i>Frontiers in Pharmacology</i> , 2019, 10, 1012.	3.5	10
60	Light-exposure at night impairs mouse ovary development via cell apoptosis and DNA damage. <i>Bioscience Reports</i> , 2019, 39, .	2.4	10
61	The in vitro effects of gibberellin on human sperm motility. <i>Aging</i> , 2019, 11, 3080-3093.	3.1	10
62	Hydroxytyrosol Benefits Boar Semen Quality via Improving Gut Microbiota and Blood Metabolome. <i>Frontiers in Nutrition</i> , 2021, 8, 815922.	3.7	10
63	PDGFR β /PI3K-Akt pathway response to the interplay of mitochondrial dysfunction and DNA damage in Aroclor 1254-exposed porcine granulosa cells. <i>Environmental Pollution</i> , 2020, 263, 114534.	7.5	8
64	β -carotene Rescues Busulfan Disrupted Spermatogenesis Through Elevation in Testicular Antioxidant Capability. <i>Frontiers in Pharmacology</i> , 2021, 12, 593953.	3.5	8
65	Muscarinic acetylcholine receptor M5 is involved in spermatogenesis through the modification of cell-cell junctions. <i>Reproduction</i> , 2021, 162, 47-59.	2.6	8
66	Ortho-phenylphenol exposure impairs porcine sperm motility through AMPK/AKT signaling pathway. <i>Environmental and Molecular Mutagenesis</i> , 2019, 60, 830-836.	2.2	7
67	Paraquat Reduces the Female Fertility by Impairing the Oocyte Maturation in Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 631104.	3.7	5
68	Genome-wide profile in DNA methylation in goat ovaries of two different litter size populations. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2022, 106, 239-249.	2.2	5
69	Inhibition of peripubertal sheep mammary gland development by cysteamine through reducing progesterone and growth factor production. <i>Theriogenology</i> , 2017, 89, 280-288.	2.1	3
70	Transcriptome profile of goat folliculogenesis reveals the interaction of oocyte and granulosa cell in correlation with different fertility population. <i>Scientific Reports</i> , 2021, 11, 15698.	3.3	3
71	Chestnut polysaccharides restore impaired spermatogenesis by adjusting gut microbiota and the intestinal structure. <i>Food and Function</i> , 2022, 13, 425-436.	4.6	3
72	Alginate oligosaccharides ameliorate busulfan-induced renal tubule injury. <i>Journal of Functional Foods</i> , 2022, 92, 105048.	3.4	1

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73	Multi-Omics Uncover Neonatal Cecal Cell Development Potentials. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	0