

Jianhai Zhang

List of Publications by Year in descending order

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38
papers

964
citations

471509

17
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454955

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39
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times ranked

904
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic induces autophagy in developmental mouse cerebral cortex and hippocampus by inhibiting PI3K/Akt/mTOR signaling pathway: involvement of blood-brain barrier's tight junction proteins. <i>Archives of Toxicology</i> , 2018, 92, 3255-3275.	4.2	79
2	Fluoride-induced apoptosis and gene expression profiling in mice sperm in vivo. <i>Archives of Toxicology</i> , 2011, 85, 1441-1452.	4.2	76
3	Sodium fluoride and sulfur dioxide affected male reproduction by disturbing blood-testis barrier in mice. <i>Food and Chemical Toxicology</i> , 2016, 94, 103-111.	3.6	70
4	Effects of sodium fluoride on hyperactivation and Ca ²⁺ signaling pathway in sperm from mice: an in vivo study. <i>Archives of Toxicology</i> , 2010, 84, 353-361.	4.2	57
5	Inflammatory responses induced by fluoride and arsenic at toxic concentration in rabbit aorta. <i>Archives of Toxicology</i> , 2012, 86, 849-856.	4.2	50
6	Effects of fluoride on synapse morphology and myelin damage in mouse hippocampus. <i>Chemosphere</i> , 2018, 194, 628-633.	8.2	48
7	Fluoride-Induced Autophagy via the Regulation of Phosphorylation of Mammalian Targets of Rapamycin in Mice Leydig Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8966-8976.	5.2	42
8	Arsenic-Induced Autophagy in the Developing Mouse Cerebellum: Involvement of the Blood-Brain Barrier's Tight-Junction Proteins and the PI3K-Akt-mTOR Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8602-8614.	5.2	40
9	Perfluorooctanoic acid exposure disturbs glucose metabolism in mouse liver. <i>Toxicology and Applied Pharmacology</i> , 2017, 335, 41-48.	2.8	36
10	Arsenic induces dysfunctional autophagy via dual regulation of mTOR pathway and Beclin1-Vps34/PI3K complex in MLTC-1 cells. <i>Journal of Hazardous Materials</i> , 2020, 391, 122227.	12.4	35
11	Proteomic analysis of brain proteins of rats exposed to high fluoride and low iodine. <i>Archives of Toxicology</i> , 2011, 85, 27-33.	4.2	34
12	Fluoride induced mitochondrial impairment and PINK1-mediated mitophagy in Leydig cells of mice: In vivo and in vitro studies. <i>Environmental Pollution</i> , 2020, 256, 113438.	7.5	32
13	Arsenic influences spermatogenesis by disorganizing the elongation of spermatids in adult male mice. <i>Chemosphere</i> , 2020, 238, 124650.	8.2	26
14	Fluoride Interferes with the Sperm Fertilizing Ability via Downregulated SPAM1, ACR, and PRSS21 Expression in Rat Epididymis. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5240-5249.	5.2	25
15	Fluoride exposure induces mitochondrial damage and mitophagy via activation of the IL-17A pathway in hepatocytes. <i>Science of the Total Environment</i> , 2022, 804, 150184.	8.0	25
16	Co-exposure to fluoride and sulfur dioxide on histological alteration and DNA damage in rat brain. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22023.	3.0	21
17	Effects of Fluoride on Autophagy in Mouse Sertoli Cells. <i>Biological Trace Element Research</i> , 2019, 187, 499-505.	3.5	20
18	Fluoride-induced unrestored arrest during haploid period of spermatogenesis via the regulation of DDX25 in rats. <i>Environmental Pollution</i> , 2019, 253, 538-551.	7.5	19

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19	Immune disruption occurs through altered gut microbiome and NOD2 in arsenic induced mice: Correlation with colon cancer markers. <i>Chemosphere</i> , 2020, 246, 125791.	8.2	18
20	Fluoride exposure alters the ultra-structure of sperm flagellum via reducing key protein expressions in testis. <i>Chemosphere</i> , 2020, 246, 125772.	8.2	18
21	Effects of Fluoride and/or Sulfur Dioxide on Morphology and DNA Integrity in Rats's Hepatic Tissue. <i>Biological Trace Element Research</i> , 2018, 183, 335-341.	3.5	17
22	Fluoride exposure arrests the acrosome formation during spermatogenesis via down-regulated Zbp1, Spaca1 and Dpy19l2 expression in rat testes. <i>Chemosphere</i> , 2019, 226, 874-882.	8.2	17
23	Chronic arsenic exposure lowered sperm motility via impairing ultra-microstructure and key proteins expressions of sperm acrosome and flagellum formation during spermiogenesis in male mice. <i>Science of the Total Environment</i> , 2020, 734, 139233.	8.0	15
24	Transcriptional regulatory dynamics of the hypothalamic-pituitary-testicular axis in male mice exposed to fluoride. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 557-562.	4.0	14
25	Combination of Fluoride and SO ₂ Induce DNA Damage and Morphological Alterations in Male Rat Kidney. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 734-744.	1.6	13
26	Recombinant production of enzymatically active male contraceptive drug target hTSSK2 - Localization of the TSKS domain phosphorylated by TSK2. <i>Protein Expression and Purification</i> , 2016, 121, 88-96.	1.3	12
27	Proteomic Analysis of Hippocampus in Offspring Male Mice Exposed to Fluoride and Lead. <i>Biological Trace Element Research</i> , 2014, 162, 227-233.	3.5	11
28	Sulfur dioxide inhalation lowers sperm quality and alters testicular histology via increasing expression of CREM and ACT proteins in rat testes. <i>Environmental Toxicology and Pharmacology</i> , 2016, 47, 47-52.	4.0	11
29	Changes in Liver Antioxidant Status of Offspring Mice Induced by Maternal Fluoride Exposure During Gestation and Lactation. <i>Biological Trace Element Research</i> , 2016, 172, 172-178.	3.5	11
30	Melamine induces reproductive dysfunction via down-regulated the phosphorylation of p38 and downstream transcription factors Max and Sap1a in mice testes. <i>Science of the Total Environment</i> , 2021, 770, 144727.	8.0	11
31	Choline supplementation alleviates fluoride-induced testicular toxicity by restoring the NGF and MEK expression in mice. <i>Toxicology and Applied Pharmacology</i> , 2016, 310, 205-214.	2.8	10
32	Effects of Fluoride on Expression of P450, CREM and ACT Proteins in Rat Testes. <i>Biological Trace Element Research</i> , 2017, 175, 156-160.	3.5	10
33	Potential Protective Effect of Riboflavin Against Pathological Changes in the Main Organs of Male Mice Induced by Fluoride Exposure. <i>Biological Trace Element Research</i> , 2022, 200, 1262-1273.	3.5	10
34	Effects of Fluoride on Surface Structure of Primary Culture Leydig Cells in Mouse. <i>Biological Trace Element Research</i> , 2018, 183, 123-127.	3.5	9
35	Analysis of the roles of dietary protein and calcium in fluoride-induced changes in T lymphocyte subsets in rat. <i>Environmental Toxicology</i> , 2017, 32, 1587-1595.	4.0	8
36	Regulatory Roles of SREBF1 and SREBF2 in Lipid Metabolism and Deposition in Two Chinese Representative Fat-Tailed Sheep Breeds. <i>Animals</i> , 2020, 10, 1317.	2.3	8

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37	Melamine induced changes in histopathology of the main organs and transcriptional levels of MAPK signaling genes in kidneys of female mice. <i>Environmental Toxicology</i> , 2021, , .	4.0	4
38	Effect of Sheep and Chicken Antibodies to Rat Adipocytes Plasma Membranes on Rat Carcass Fat. <i>Asian-Australasian Journal of Animal Sciences</i> , 2004, 17, 1177-1182.	2.4	2