

Jundong Wang

List of Publications by Year in descending order

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114
papers

3,085
citations

126907

33
h-index

233421

45
g-index

120
all docs

120
docs citations

120
times ranked

2669
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence and dissemination of antibiotic resistance genes and coselection of heavy metals in Chinese dairy farms. <i>Journal of Hazardous Materials</i> , 2016, 320, 10-17.	12.4	120
2	Effects of fluoride on liver apoptosis and Bcl-2, Bax protein expression in freshwater teleost, <i>Cyprinus carpio</i> . <i>Chemosphere</i> , 2013, 91, 1203-1212.	8.2	98
3	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
4	Protective properties of sesamin against fluoride-induced oxidative stress and apoptosis in kidney of carp (<i>Cyprinus carpio</i>) via JNK signaling pathway. <i>Aquatic Toxicology</i> , 2015, 167, 180-190.	4.0	77
5	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
6	Effects of sodium fluoride treatment in vitro on cell proliferation, apoptosis and caspase-3 and caspase-9 mRNA expression by neonatal rat osteoblasts. <i>Archives of Toxicology</i> , 2009, 83, 451-458.	4.2	63
7	Dual effects of sulfasalazine on rat sperm characteristics, spermatogenesis, and steroidogenesis in two experimental models. <i>Toxicology Letters</i> , 2018, 284, 46-55.	0.8	61
8	Fluoride decreased the sperm ATP of mice through inhabiting mitochondrial respiration. <i>Chemosphere</i> , 2016, 144, 1012-1017.	8.2	60
9	Arsenic and fluoride induce apoptosis, inflammation and oxidative stress in cultured human umbilical vein endothelial cells. <i>Chemosphere</i> , 2017, 167, 454-461.	8.2	59
10	Impairment of object recognition memory by maternal bisphenol A exposure is associated with inhibition of Akt and ERK/CREB/BDNF pathway in the male offspring hippocampus. <i>Toxicology</i> , 2016, 341-343, 56-64.	4.2	58
11	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
12	Changes in memory and synaptic plasticity induced in male rats after maternal exposure to bisphenol A. <i>Toxicology</i> , 2014, 322, 51-60.	4.2	56
13	Fluoride induces apoptosis and autophagy through the IL-17 signaling pathway in mice hepatocytes. <i>Archives of Toxicology</i> , 2018, 92, 3277-3289.	4.2	55
14	Fluoride exposure changed the structure and the expressions of reproductive related genes in the hypothalamus-pituitary-testicular axis of male mice. <i>Chemosphere</i> , 2015, 135, 297-303.	8.2	53
15	Effect of pubertal nano-TiO ₂ exposure on testosterone synthesis and spermatogenesis in mice. <i>Archives of Toxicology</i> , 2013, 88, 781-8.	4.2	49
16	AMPK/p38/Nrf2 activation as a protective feedback to restrain oxidative stress and inflammation in microglia stimulated with sodium fluoride. <i>Chemosphere</i> , 2020, 244, 125495.	8.2	49
17	Effects of fluoride on synapse morphology and myelin damage in mouse hippocampus. <i>Chemosphere</i> , 2018, 194, 628-633.	8.2	48
18	Arsenic-induced autophagic alterations and mitochondrial impairments in HPG-S axis of mature male mice offspring (F1-generation): A persistent toxicity study. <i>Toxicology Letters</i> , 2020, 326, 83-98.	0.8	44

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19	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
20	Effects of fluoride on the ultrastructure and expression of Type I collagen in rat hard tissue. <i>Chemosphere</i> , 2015, 128, 36-41.	8.2	41
21	Maternal Bisphenol A Diet Induces Anxiety-Like Behavior in Female Juvenile with Neuroimmune Activation. <i>Toxicological Sciences</i> , 2014, 140, 364-373.	3.1	40
22	In vivo influence of sodium fluoride on sperm chemotaxis in male mice. <i>Archives of Toxicology</i> , 2014, 88, 533-539.	4.2	40
23	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
24	The construction of an interfacial valve-based microfluidic chip for chemotaxis evaluation of human sperm. <i>Biomicrofluidics</i> , 2014, 8, 024102.	2.4	39
25	Chronic fluoride exposure-induced testicular toxicity is associated with inflammatory response in mice. <i>Chemosphere</i> , 2016, 153, 419-425.	8.2	39
26	Decreased learning ability and low hippocampus glutamate in offspring rats exposed to fluoride and lead. <i>Environmental Toxicology and Pharmacology</i> , 2009, 28, 254-258.	4.0	38
27	Fluoride exposure changed the structure and the expressions of Y chromosome related genes in testes of mice. <i>Chemosphere</i> , 2016, 161, 292-299.	8.2	37
28	Effects of different rearing systems on growth, small intestinal morphology and selected indices of fermentation status in broilers. <i>Animal Science Journal</i> , 2017, 88, 900-908.	1.4	36
29	Alterations in epididymal proteomics and antioxidant activity of mice exposed to fluoride. <i>Archives of Toxicology</i> , 2018, 92, 169-180.	4.2	36
30	Fluoride induces apoptosis and alters collagen I expression in rat osteoblasts. <i>Toxicology Letters</i> , 2011, 200, 133-138.	0.8	35
31	Effect of gestational exposure to arsenic on puberty in offspring female mice. <i>Chemosphere</i> , 2018, 202, 119-126.	8.2	35
32	Bisphenol A-induced apoptosis, oxidative stress and DNA damage in cultured rhesus monkey embryo renal epithelial Marc-145 cells. <i>Chemosphere</i> , 2019, 234, 682-689.	8.2	35
33	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
34	Fluoride impairs ovary development by affecting oogenesis and inducing oxidative stress and apoptosis in female zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2020, 256, 127105.	8.2	35
35	Effects of dietary protein and calcium on thymus apoptosis induced by fluoride in female rats (Wistar). <i>Tj ETQq1 1 0,784314 ggBT /Overl</i>	4.0	34
36	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

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37	Fluoride-induced alterations of synapse-related proteins in the cerebral cortex of ICR offspring mouse brain. <i>Chemosphere</i> , 2018, 201, 874-883.	8.2	34
38	Waterborne fluoride exposure changed the structure and the expressions of steroidogenic-related genes in gonads of adult zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2016, 145, 365-375.	8.2	33
39	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
40	Effects of fluoride on microtubule ultrastructure and expression of Tub β 1a and Tub β 2a in mouse hippocampus. <i>Chemosphere</i> , 2015, 139, 422-427.	8.2	31
41	Calcium Alleviates Fluoride-Induced Bone Damage by Inhibiting Endoplasmic Reticulum Stress and Mitochondrial Dysfunction. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10832-10843.	5.2	30
42	Prevalence of Cigarette Smoking and Nicotine Dependence in Men and Women Residing in Two Provinces in China. <i>Frontiers in Psychiatry</i> , 2017, 8, 254.	2.6	29
43	Effects of fluoride and aluminum on expressions of StAR and P450scc of related steroidogenesis in guinea pigs' testis. <i>Chemosphere</i> , 2016, 147, 345-351.	8.2	28
44	Arsenic influences spermatogenesis by disorganizing the elongation of spermatids in adult male mice. <i>Chemosphere</i> , 2020, 238, 124650.	8.2	26
45	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
46	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
47	Altered miRNAs expression profiling in sperm of mice induced by fluoride. <i>Chemosphere</i> , 2016, 155, 109-114.	8.2	24
48	Fluoride Induces Autoimmune Orchitis Involved with Enhanced IL-17A Secretion in Mice Testis. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13333-13343.	5.2	24
49	Fluoride exposure decreased learning ability and the expressions of the insulin receptor in male mouse hippocampus and olfactory bulb. <i>Chemosphere</i> , 2019, 224, 71-76.	8.2	24
50	Effect of fluoride exposure on anxiety- and depression-like behavior in mouse. <i>Chemosphere</i> , 2019, 215, 454-460.	8.2	24
51	Sex-related difference in food-anticipatory activity of mice. <i>Hormones and Behavior</i> , 2015, 70, 38-46.	2.1	23
52	Fluoride-induced apoptosis and expressions of caspase proteins in the kidney of carp (<i>Cyprinus</i>) Tj ETQq0 0 0 r gBT /Over lock 10 Tf	4.0	23
53	Role of IL-17 Pathways in Immune Privilege: A RNA Deep Sequencing Analysis of the Mice Testis Exposure to Fluoride. <i>Scientific Reports</i> , 2016, 6, 32173.	3.3	23
54	Ameliorative Effect of VE, IGF-I, and hCG on the Fluoride-Induced Testosterone Release Suppression in Mice Leydig Cells. <i>Biological Trace Element Research</i> , 2018, 181, 95-103.	3.5	23

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55	Fluoride altered rat's blood testis barrier by affecting the F-actin via IL-1 β . <i>Chemosphere</i> , 2018, 211, 826-833.	8.2	23
56	Association and cis-mQTL analysis of variants in CHRNA3-A5, CHRNA7, CHRN2, and CHRN4 in relation to nicotine dependence in a Chinese Han population. <i>Translational Psychiatry</i> , 2018, 8, 83.	4.8	21
57	Co α 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
58	Self-recovery study of the adverse effects of fluoride on small intestine: Involvement of pyroptosis induced inflammation. <i>Science of the Total Environment</i> , 2020, 742, 140533.	8.0	21
59	TGF- β 1 acts as mediator in fluoride-induced autophagy in the mouse osteoblast cells. <i>Food and Chemical Toxicology</i> , 2018, 115, 26-33.	3.6	20
60	Developmental fluoride exposure influenced rat's splenic development and cell cycle via disruption of the ERK signal pathway. <i>Chemosphere</i> , 2017, 187, 173-180.	8.2	19
61	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
62	Calcium relieves fluoride-induced bone damage through the PI3K/AKT pathway. <i>Food and Function</i> , 2020, 11, 1155-1164.	4.6	19
63	Regulation of LPS-induced mRNA expression of pro-inflammatory cytokines via alteration of NF- κ B activity in mouse peritoneal macrophages exposed to fluoride. <i>Chemosphere</i> , 2016, 161, 89-95.	8.2	18
64	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
65	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
66	Interleukin 17A deficiency alleviates fluoride-induced testicular injury by inhibiting the immune response and apoptosis. <i>Chemosphere</i> , 2021, 263, 128178.	8.2	18
67	Dietary Calcium Alleviates Fluorine-Induced Liver Injury in Rats by Mitochondrial Apoptosis Pathway. <i>Biological Trace Element Research</i> , 2022, 200, 271-280.	3.5	18
68	Effects of sodium fluoride on MAPKs signaling pathway in the gills of a freshwater teleost, <i>Cyprinus carpio</i> . <i>Aquatic Toxicology</i> , 2014, 152, 164-172.	4.0	17
69	Fluoride reduced the immune privileged function of mouse Sertoli cells via the regulation of Fas/FasL system. <i>Chemosphere</i> , 2017, 168, 318-325.	8.2	17
70	Effects of Fluoride and/or Sulfur Dioxide on Morphology and DNA Integrity in Rats α ™ Hepatic Tissue. <i>Biological Trace Element Research</i> , 2018, 183, 335-341.	3.5	17
71	Fluoride exposure arrests the acrosome formation during spermatogenesis via down-regulated <i>Zbp1</i> , <i>Spaca1</i> and <i>Dpy19l2</i> expression in rat testes. <i>Chemosphere</i> , 2019, 226, 874-882.	8.2	17
72	Sodium fluoride activates the extrinsic apoptosis via regulating NOX4/ROS-mediated p53/DR5 signaling pathway in lung cells both in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2021, 169, 137-148.	2.9	17

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73	Effect of sodium fluoride on the sperm mitochondrial DNA in mice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 295-299.	2.1	16
74	Influence of Calcium Supplementation against Fluoride-Mediated Osteoblast Impairment in Vitro: Involvement of the Canonical Wnt/ β^2 -Catenin Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10285-10295.	5.2	16
75	Effect of arsenic and/or fluoride gestational exposure on renal autophagy in offspring mice. <i>Chemosphere</i> , 2020, 241, 124861.	8.2	16
76	Fluoride-Induced Alteration in the Diversity and Composition of Bacterial Microbiota in Mice Colon. <i>Biological Trace Element Research</i> , 2020, 196, 537-544.	3.5	16
77	Effects of different Ca ²⁺ level on fluoride-induced apoptosis pathway of endoplasmic reticulum in the rabbit osteoblast in vitro. <i>Food and Chemical Toxicology</i> , 2018, 116, 189-195.	3.6	15
78	Effects of Fluoride on SOD and CAT in Testis and Epididymis of Mice. <i>Biological Trace Element Research</i> , 2018, 184, 148-153.	3.5	15
79	Effects of lead exposure on brain glucose metabolism and insulin signaling pathway in the hippocampus of rats. <i>Toxicology Letters</i> , 2019, 310, 23-30.	0.8	15
80	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
81	Calcium alleviates fluoride-induced kidney damage via FAS/FASL, TNFR/TNF, DR5/TRAIL pathways in rats. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112851.	6.0	15
82	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
83	Abnormal spermatogenesis following sodium fluoride exposure is associated with the downregulation of CREM and ACT in the mouse testis. <i>Toxicology and Industrial Health</i> , 2018, 34, 219-227.	1.4	14
84	Proteomic identification of sperm from mice exposed to sodium fluoride. <i>Chemosphere</i> , 2018, 207, 676-681.	8.2	14
85	GSTO1 acts as a mediator in sodium fluoride-induced alterations of learning and memory related factors expressions in the hippocampus cell line. <i>Chemosphere</i> , 2019, 226, 201-209.	8.2	14
86	Effects of fluoride on PIWI-interacting RNA expression profiling in testis of mice. <i>Chemosphere</i> , 2021, 269, 128727.	8.2	14
87	Fluoride exposure changed the structure and the expressions of HSP related genes in testes of pubertal rats. <i>Chemosphere</i> , 2017, 184, 1080-1088.	8.2	13
88	Paternal bisphenol a diet changes prefrontal cortex proteome and provokes behavioral dysfunction in male offspring. <i>Chemosphere</i> , 2017, 184, 720-729.	8.2	13
89	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
90	Exercise Ameliorates Fluoride-induced Anxiety- and Depression-like Behavior in Mice: Role of GABA. <i>Biological Trace Element Research</i> , 2022, 200, 678-688.	3.5	13

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91	Intestinal fungal dysbiosis in mice induced by fluoride. <i>Chemosphere</i> , 2020, 245, 125617.	8.2	12
92	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
93	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
94	Significant association of the CHRN3-CHRNA6 gene cluster with nicotine dependence in the Chinese Han population. <i>Scientific Reports</i> , 2017, 7, 9745.	3.3	11
95	Arsenic-induced autophagy regulates apoptosis in AML-12 cells. <i>Toxicology in Vitro</i> , 2021, 72, 105074.	2.4	11
96	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
97	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
98	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
99	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
100	Effects of fluoride on bacterial growth and its gene/protein expression. <i>Chemosphere</i> , 2014, 100, 190-193.	8.2	9
101	Effects of Different Doses of Calcium on the Mitochondrial Apoptotic Pathway and Rho/ROCK Signaling Pathway in the Bone of Fluorosis Rats. <i>Biological Trace Element Research</i> , 2021, 199, 1919-1928.	3.5	9
102	Mitigation Effects of Selenium Nanoparticles on Depression-Like Behavior Induced by Fluoride in Mice via the JAK2-STAT3 Pathway. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3685-3700.	8.0	9
103	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
104	Cell cycle arrest and gene expression profiling of testis in mice exposed to fluoride. <i>Environmental Toxicology</i> , 2017, 32, 1558-1565.	4.0	8
105	Fluoride exposure altered metabolomic profile in rat serum. <i>Chemosphere</i> , 2020, 258, 127387.	8.2	7
106	Effect of Choline on the Composition and Degradation Enzyme of Extracellular Matrix of Mice Chondrocytes Exposed to Fluoride. <i>Biological Trace Element Research</i> , 2017, 175, 414-420.	3.5	6
107	The Effects of Fluoride on the Gap-Junctional Intercellular Communication of Rats' Osteoblast. <i>Biological Trace Element Research</i> , 2020, 193, 195-203.	3.5	6
108	Detrimental Effects of Sodium Fluoride on the Expression of Insulin Receptor in the Olfactory Bulb and Hippocampus of Male Mice. <i>Biological Trace Element Research</i> , 2020, 198, 216-223.	3.5	4

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109	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
110	Effect of dietary protein or calcium supplement on the expression of collagen I and dentine phosphoprotein of rats with dental fluorosis. <i>Toxicology Research</i> , 2016, 5, 1711-1719.	2.1	3
111	Fluoride Can Damage the Spleen of Mice by Perturbing Th1/Th2 Cell Balance. <i>Biological Trace Element Research</i> , 2021, 199, 1493-1500.	3.5	3
112	Study of Chitosan Ingestion Remitting the Bone Damage on Fluorosis Mice with Micro-CT. <i>Biological Trace Element Research</i> , 2022, 200, 2259-2267.	3.5	2
113	Fluoride or/and aluminum induced toxicity in guinea pig teeth with the low expression of dentine phosphoprotein. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21912.	3.0	1
114	Exposure to Fluoride From in Utero to Puberty Alters Gonadal Structure and Steroid Hormone Expression in Offspring Rats. <i>Biological Trace Element Research</i> , 2023, 201, 1261-1273.	3.5	1