Ruiyan Niu

List of Publications by Year
in descending order

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58 papers	1,435 citations	304743 22 h-index	377865 34 g-index
60 all docs	60 docs citations	60 times ranked	1250 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 bloodâ€“brain barrierâ€™s tight junction proteins. Archives of Toxicology, 2018, 92, 3255-3275.	4.2	79
2	Fluoride-induced apoptosis and gene expression profiling in mice sperm in vivo. Archives of Toxicology, 2011, 85, 1441-1452.	4.2	76
3	Fluoride decreased the sperm ATP of mice through inhabiting mitochondrial respiration. Chemosphere, 2016, 144, 1012-1017.	8.2	60
4	Effects of sodium fluoride on hyperactivation and Ca2+ signaling pathway in sperm from mice: an in vivo study. Archives of Toxicology, 2010, 84, 353-361.	4.2	57
5	Changes in memory and synaptic plasticity induced in male rats after maternal exposure to bisphenol A. Toxicology, 2014, 322, 51-60.	4.2	56
6	Inflammatory responses induced by fluoride and arsenic at toxic concentration in rabbit aorta. Archives of Toxicology, 2012, 86, 849-856.	4.2	50
7	Effects of fluoride on synapse morphology and myelin damage in mouse hippocampus. Chemosphere, 2018, 194, 628-633.	8.2	48
8	Arsenic-induced autophagic alterations and mitochondrial impairments in HPG-S axis of mature male mice offspring (F1-generation): A persistent toxicity study. Toxicology Letters, 2020, 326, 83-98.	0.8	44
9	Effects of fluoride on the ultrastructure and expression of Type I collagen in rat hard tissue. Chemosphere, 2015, 128, 36-41.	8.2	41
10	Maternal Bisphenol AÂDiet Induces Anxiety-Like Behavior in Female Juvenile with Neuroimmune Activation. Toxicological Sciences, 2014, 140, 364-373.	3.1	40
11	In vivo influence of sodium fluoride on sperm chemotaxis in male mice. Archives of Toxicology, 2014, 88, 533-539.	4.2	40
12	Arsenic-Induced Autophagy in the Developing Mouse Cerebellum: Involvement of the Bloodâ€“Brain Barrierâ€™s Tight-Junction Proteins and the PI3Kâ€“Aktâ€“mTOR Signaling Pathway. Journal of Agricultural and Food Chemistry, 2018, 66, 8602-8614.	5.2	40
13	Pubertal exposure to Bisphenol A increases anxiety-like behavior and decreases acetylcholinesterase activity of hippocampus in adult male mice. Food and Chemical Toxicology, 2013, 60, 177-180.	3.6	39
14	Decreased learning ability and low hippocampus glutamate in offspring rats exposed to fluoride and lead. Environmental Toxicology and Pharmacology, 2009, 28, 254-258.	4.0	38
15	Alterations in epididymal proteomics and antioxidant activity of mice exposed to fluoride. Archives of Toxicology, 2018, 92, 169-180.	4.2	36
16	Proteomic analysis of brain proteins of rats exposed to high fluoride and low iodine. Archives of Toxicology, 2011, 85, 27-33.	4.2	34
17	Effects of fluoride on microtubule ultrastructure and expression of TubÎ±1a and TubÎ²2a in mouse hippocampus. Chemosphere, 2015, 139, 422-427.	8.2	31
18	Effect of Dietary Yeast Chromium and l-Carnitine on Lipid Metabolism of Sheep. Biological Trace Element Research, 2013, 155, 221-227.	3.5	29

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19	Effect of exercise on microglial activation and transcriptome of hippocampus in fluorosis mice. Science of the Total Environment, 2021, 760, 143376.	8.0	29
20	Altered sperm chromatin structure in mice exposed to sodium fluoride through drinking water. Environmental Toxicology, 2014, 29, 690-696.	4.0	26
21	Fluoride exposure induces mitochondrial damage and mitophagy via activation of the IL-17A pathway in hepatocytes. Science of the Total Environment, 2022, 804, 150184.	8.0	25
22	Altered miRNAs expression profiling in sperm of mice induced by fluoride. Chemosphere, 2016, 155, 109-114.	8.2	24
23	Fluoride exposure decreased learning ability and the expressions of the insulin receptor in male mouse hippocampus and olfactory bulb. Chemosphere, 2019, 224, 71-76.	8.2	24
24	Effect of fluoride exposure on anxiety- and depression-like behavior in mouse. Chemosphere, 2019, 215, 454-460.	8.2	24
25	Ameliorative Effect of VE, IGF-I, and hCG on the Fluoride-Induced Testosterone Release Suppression in Mice Leydig Cells. Biological Trace Element Research, 2018, 181, 95-103.	3.5	23
26	Deregulation of autophagy is involved in nephrotoxicity of arsenite and fluoride exposure during gestation to puberty in rat offspring. Archives of Toxicology, 2020, 94, 749-760.	4.2	23
27	Effects of perinatal fluoride exposure on the expressions of miR-124 and miR-132 in hippocampus of mouse pups. Chemosphere, 2018, 197, 117-122.	8.2	22
28	Coâ€exposure to fluoride and sulfur dioxide on histological alteration and DNA damage in rat brain. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22023.	3.0	21
29	Effects of Chronic Fluoride Exposure on Object Recognition Memory and mRNA Expression of SNARE Complex in Hippocampus of Male Mice. Biological Trace Element Research, 2014, 158, 58-64.	3.5	20
30	Proteome Alterations in Cortex of Mice Exposed to Fluoride and Lead. Biological Trace Element Research, 2015, 164, 99-105.	3.5	18
31	Immune disruption occurs through altered gut microbiome and NOD2 in arsenic induced mice: Correlation with colon cancer markers. Chemosphere, 2020, 246, 125791.	8.2	18
32	Co-exposure to inorganic arsenic and fluoride prominently disrupts gut microbiota equilibrium and induces adverse cardiovascular effects in offspring rats. Science of the Total Environment, 2021, 767, 144924.	8.0	18
33	Fluoride reduced the immune privileged function of mouse Sertoli cells via the regulation of Fas/FasL system. Chemosphere, 2017, 168, 318-325.	8.2	17
34	Effects of Fluoride and/or Sulfur Dioxide on Morphology and DNA Integrity in Ratsâ€™ Hepatic Tissue. Biological Trace Element Research, 2018, 183, 335-341.	3.5	17
35	Effect of sodium fluoride on the sperm mitochondrial DNA in mice. Biochemical and Biophysical Research Communications, 2017, 492, 295-299.	2.1	16
36	Effect of arsenic and/or fluoride gestational exposure on renal autophagy in offspring mice. Chemosphere, 2020, 241, 124861.	8.2	16

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37	Fluoride-Induced Alteration in the Diversity and Composition of Bacterial Microbiota in Mice Colon. Biological Trace Element Research, 2020, 196, 537-544.	3.5	16
38	Effects of Fluoride on SOD and CAT in Testis and Epididymis of Mice. Biological Trace Element Research, 2018, 184, 148-153.	3.5	15
39	Effects of lead exposure on brain glucose metabolism and insulin signaling pathway in the hippocampus of rats. Toxicology Letters, 2019, 310, 23-30.	0.8	15
40	Exercise alleviated intestinal damage and microbial disturbances in mice exposed to fluoride. Chemosphere, 2022, 288, 132658.	8.2	15
41	Transcriptional regulatory dynamics of the hypothalamic-pituitary-testicular axis in male mice exposed to fluoride. Environmental Toxicology and Pharmacology, 2015, 40, 557-562.	4.0	14
42	Proteomic identification of sperm from mice exposed to sodium fluoride. Chemosphere, 2018, 207, 676-681.	8.2	14
43	Combination of Fluoride and SO2 Induce DNA Damage and Morphological Alterations in Male Rat Kidney. Cellular Physiology and Biochemistry, 2018, 50, 734-744.	1.6	13
44	Exercise Ameliorates Fluoride-induced Anxiety- and Depression-like Behavior in Mice: Role of GABA. Biological Trace Element Research, 2022, 200, 678-688.	3.5	13
45	Intestinal fungal dysbiosis in mice induced by fluoride. Chemosphere, 2020, 245, 125617.	8.2	12
46	Proteomic Analysis of Hippocampus in Offspring Male Mice Exposed to Fluoride and Lead. Biological Trace Element Research, 2014, 162, 227-233.	3.5	11
47	Changes in Liver Antioxidant Status of Offspring Mice Induced by Maternal Fluoride Exposure During Gestation and Lactation. Biological Trace Element Research, 2016, 172, 172-178.	3.5	11
48	Effects of Fluoride on Expression of P450, CREM and ACT Proteins in Rat Testes. Biological Trace Element Research, 2017, 175, 156-160.	3.5	10
49	Effect of traditional chinese medicine (TCM) and its fermentation using Lactobacillus plantarum on ceftriaxone sodium-induced dysbacteriotic diarrhea in mice. Chinese Medicine, 2022, 17, 20.	4.0	9
50	Analysis of the roles of dietary protein and calcium in fluorideâ€induced changes in Tâ€lymphocyte subsets in rat. Environmental Toxicology, 2017, 32, 1587-1595.	4.0	8
51	Cell cycle arrest and gene expression profiling of testis in mice exposed to fluoride. Environmental Toxicology, 2017, 32, 1558-1565.	4.0	8
52	Alleviative Effects of Exercise on Bone Remodeling in Fluorosis Mice. Biological Trace Element Research, 2022, 200, 1248-1261.	3.5	8
53	Fluoride exposure altered metabolomic profile in rat serum. Chemosphere, 2020, 258, 127387.	8.2	7
54	Enhancement of immune response for Newcastle disease vaccine using a combined adjuvant solution of Astragalus polysaccharides, levamisole, and selenoprotein. Turkish Journal of Veterinary and Animal Sciences, 2013, 37, 516-522.	0.5	6

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55	Moderate exercise relieves fluoride-induced liver and kidney inflammatory responses through the IKKÎ²/NFÎºB pathway. Environmental Science and Pollution Research, 2022, 29, 78429-78443.	5.3	5
56	Detrimental Effects of Sodium Fluoride on the Expression of Insulin Receptor in the Olfactory Bulb and Hippocampus of Male Mice. Biological Trace Element Research, 2020, 198, 216-223.	3.5	4
57	DNA Damage in Brain and Thyroid Gland Cells due to High Fluoride and Low Iodine. , 2009, , 643-649.		1
58	CHAPTER 19. Fluoride and Effects on Caspases. Food and Nutritional Components in Focus, 2015, , 327-336.	0.1	1