

Guoyu Zhou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	SIRT1-dependent mitochondrial biogenesis supports therapeutic effects of resveratrol against neurodevelopment damage by fluoride. <i>Theranostics</i> , 2020, 10, 4822-4838.	10.0	65
2	Excessive ER stress and the resulting autophagic flux dysfunction contribute to fluoride-induced neurotoxicity. <i>Environmental Pollution</i> , 2018, 233, 889-899.	7.5	61
3	Thyroid function, intelligence, and low-moderate fluoride exposure among Chinese school-age children. <i>Environment International</i> , 2020, 134, 105229.	10.0	56
4	Reduction in pericyte coverage leads to blood-brain barrier dysfunction via endothelial transcytosis following chronic cerebral hypoperfusion. <i>Fluids and Barriers of the CNS</i> , 2021, 18, 21.	5.0	46
5	Promotion of mitochondrial fusion protects against developmental PBDE-47 neurotoxicity by restoring mitochondrial homeostasis and suppressing excessive apoptosis. <i>Theranostics</i> , 2020, 10, 1245-1261.	10.0	42
6	Autophagy impairment contributes to PBDE-47-induced developmental neurotoxicity and its relationship with apoptosis. <i>Theranostics</i> , 2019, 9, 4375-4390.	10.0	41
7	Roles of mitochondrial fission inhibition in developmental fluoride neurotoxicity: mechanisms of action in vitro and associations with cognition in rats and children. <i>Archives of Toxicology</i> , 2019, 93, 709-726.	4.2	39
8	ERK1/2-mediated disruption of BDNF-TrkB signaling causes synaptic impairment contributing to fluoride-induced developmental neurotoxicity. <i>Toxicology</i> , 2018, 410, 222-230.	4.2	36
9	Perigestational exposure to low doses of PBDE-47 induces excessive ER stress, defective autophagy and the resultant apoptosis contributing to maternal thyroid toxicity. <i>Science of the Total Environment</i> , 2018, 645, 363-371.	8.0	35
10	Effects of long-term fluoride exposure on cognitive ability and the underlying mechanisms: Role of autophagy and its association with apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2019, 378, 114608.	2.8	26
11	Prenatal ambient air pollution exposure and SOD2 promoter methylation in maternal and cord blood. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 428-434.	6.0	25
12	Low-to-moderate fluoride exposure, relative mitochondrial DNA levels, and dental fluorosis in Chinese children. <i>Environment International</i> , 2019, 127, 70-77.	10.0	25
13	Perinatal low-dose PBDE-47 exposure hampered thyroglobulin turnover and induced thyroid cell apoptosis by triggering ER stress and lysosomal destabilization contributing to thyroid toxicity in adult female rats. <i>Journal of Hazardous Materials</i> , 2020, 392, 122265.	12.4	24
14	Resveratrol improved hippocampal neurogenesis following lead exposure in rats through activation of SIRT1 signaling. <i>Environmental Toxicology</i> , 2021, 36, 1664-1673.	4.0	24
15	Attenuation of Pb-induced $\text{A}\beta^2$ generation and autophagic dysfunction via activation of SIRT1: Neuroprotective properties of resveratrol. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112511.	6.0	19
16	Prenatal exposure to air pollution and the risk of preterm birth in rural population of Henan Province. <i>Chemosphere</i> , 2022, 286, 131833.	8.2	15
17	Does Fluoride Affect Serum Testosterone and Androgen Binding Protein with Age-Specificity? A Population-Based Cross-Sectional Study in Chinese Male Farmers. <i>Biological Trace Element Research</i> , 2016, 174, 294-299.	3.5	13
18	Perigestational low-dose BDE-47 exposure alters maternal serum metabolome and results in sex-specific weight gain in adult offspring. <i>Chemosphere</i> , 2019, 233, 174-182.	8.2	13

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19	Impaired sperm quantity and motility in adult rats following gestational and lactational exposure to environmentally relevant levels of PBDE-47: A potential role of thyroid hormones disruption. <i>Environmental Pollution</i> , 2021, 268, 115773.	7.5	13
20	Fluoride exposure and children's intelligence: Gene-environment interaction based on SNP-set, gene and pathway analysis, using a case-control design based on a cross-sectional study. <i>Environment International</i> , 2021, 155, 106681.	10.0	13
21	The cholinergic system, intelligence, and dental fluorosis in school-aged children with low-to-moderate fluoride exposure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 112959.	6.0	13
22	Association between low-to-moderate fluoride exposure and bone mineral density in Chinese adults: Non-negligible role of RUNX2 promoter methylation. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 111031.	6.0	12
23	Resveratrol reverses hippocampal synaptic markers injury and SIRT1 inhibition against developmental Pb exposure. <i>Brain Research</i> , 2021, 1767, 147567.	2.2	12
24	Preconception ambient temperature and preterm birth: a time-series study in rural Henan, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 9407-9416.	5.3	10
25	Fluoride exposure and CALCA methylation is associated with the bone mineral density of Chinese women. <i>Chemosphere</i> , 2020, 253, 126616.	8.2	9
26	Iodine Modifies the Susceptibility of Thyroid to Fluoride Exposure in School-age Children: a Cross-sectional Study in Yellow River Basin, Henan, China. <i>Biological Trace Element Research</i> , 2021, 199, 3658-3666.	3.5	9
27	Fluoride Stimulates Anxiety- and Depression-like Behaviors Associated with SIK2-CRTC1 Signaling Dysfunction. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13618-13627.	5.2	9
28	Combined exposure of lead and high-fat diet enhanced cognitive decline via interacting with CREB-BDNF signaling in male rats. <i>Environmental Pollution</i> , 2022, 304, 119200.	7.5	9
29	Association between fluoride exposure and behavioural outcomes of school-age children: a pilot study in China. <i>International Journal of Environmental Health Research</i> , 2022, 32, 232-241.	2.7	8
30	Time-course miRNA alterations and SIRT1 inhibition triggered by adolescent lead exposure in mice. <i>Toxicology Research</i> , 2021, 10, 667-676.	2.1	8
31	Role of the hippo signaling pathway in the extracellular matrix degradation of chondrocytes induced by fluoride exposure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112796.	6.0	8
32	DNA methylation and fluoride exposure in school-age children: Epigenome-wide screening and population-based validation. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112612.	6.0	7
33	<i>GPR61</i> methylation in cord blood: a potential target of prenatal exposure to air pollutants. <i>International Journal of Environmental Health Research</i> , 2022, 32, 463-472.	2.7	6
34	The role of maternal methylation in the association between prenatal meteorological conditions and neonatal H19/H19-DMR methylation. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110643.	6.0	6
35	Effects of ambient temperature on the risk of preterm birth in offspring of adolescent mothers in rural henan, China. <i>Environmental Research</i> , 2021, 201, 111545.	7.5	5
36	Low-moderate fluoride exposure and intelligence among Chinese school-aged children: Role of circulating mtDNA content. <i>Science of the Total Environment</i> , 2021, 786, 147330.	8.0	4

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37	Meta-analysis of Association Studies of Selenoprotein Gene Polymorphism and Kashin-Beck Disease: an Updated Systematic Review. <i>Biological Trace Element Research</i> , 2022, 200, 543-550.	3.5	3
38	Effects of SNPs in SOD2 and SOD3 interacted with fluoride exposure on the susceptibility of dental fluorosis. <i>International Journal of Hygiene and Environmental Health</i> , 2022, 239, 113879.	4.3	3
39	ESR1± Promoter Methylation May Modify the Association Between Lipid Metabolism and Type 2 Diabetes in Chinese Farmers. <i>Frontiers in Public Health</i> , 2021, 9, 578134.	2.7	2
40	Association between fluoride exposure and blood pressure in children and adolescents aged 6 to19 years in the United States: NHANES, 2013â€“2016. <i>International Journal of Environmental Health Research</i> , 2023, 33, 541-551.	2.7	2
41	Interaction of fluoride exposure and CREB1 gene polymorphisms on thyroid function in school-age children. <i>Chemosphere</i> , 2022, 303, 135156.	8.2	2
42	Do methylenetetrahydrofolate dehydrogenase, cyclohydrolase, and formyltetrahydrofolate synthetase 1 polymorphisms modify changes in intelligence of school-age children in areas of endemic fluorosis?. <i>Chinese Medical Journal</i> , 2022, 135, 1846-1854.	2.3	2
43	The neonatal PROC gene rs1799809 polymorphism modifies the association between prenatal air pollutants exposure and PROC promoter methylation. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	5.3	1
44	The type of previous abortion modifies the association between air pollution and the risk of preterm birth. <i>Environmental Research</i> , 2022, 212, 113166.	7.5	0