

Xiaozhe Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	1 H NMR-based metabolomics study on repeat dose toxicity of fine particulate matter in rats after intratracheal instillation. <i>Science of the Total Environment</i> , 2017, 589, 212-221.	8.0	99
2	Cytotoxicity induced by fine particulate matter (PM2.5) via mitochondria-mediated apoptosis pathway in human cardiomyocytes. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 198-207.	6.0	74
3	PM2.5-induced alteration of DNA methylation and RNA-transcription are associated with inflammatory response and lung injury. <i>Science of the Total Environment</i> , 2019, 650, 908-921.	8.0	69
4	PM2.5-induced ADRB2 hypermethylation contributed to cardiac dysfunction through cardiomyocytes apoptosis via PI3K/Akt pathway. <i>Environment International</i> , 2019, 127, 601-614.	10.0	67
5	Silica nanoparticles induce autophagosome accumulation via activation of the EIF2AK3 and ATF6 UPR pathways in hepatocytes. <i>Autophagy</i> , 2018, 14, 1185-1200.	9.1	64
6	PM2.5 aggravates the lipid accumulation, mitochondrial damage and apoptosis in macrophage foam cells. <i>Environmental Pollution</i> , 2019, 249, 482-490.	7.5	58
7	Silica nanoparticles trigger the vascular endothelial dysfunction and prethrombotic state via miR-451 directly regulating the IL6R signaling pathway. <i>Particle and Fibre Toxicology</i> , 2019, 16, 16.	6.2	42
8	Fine particulate matter induces vascular endothelial activation via IL-6 dependent JAK1/STAT3 signaling pathway. <i>Toxicology Research</i> , 2016, 5, 946-953.	2.1	41
9	Metabolic impact induced by total, water soluble and insoluble components of PM2.5 acute exposure in mice. <i>Chemosphere</i> , 2018, 207, 337-346.	8.2	41
10	DNA methylation: A critical epigenetic mechanism underlying the detrimental effects of airborne particulate matter. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 173-183.	6.0	37
11	Fine particle matters induce DNA damage and G2/M cell cycle arrest in human bronchial epithelial BEAS-2B cells. <i>Environmental Science and Pollution Research</i> , 2017, 24, 25071-25081.	5.3	36
12	Combined Effect of Silica Nanoparticles and Benzo[a]pyrene on Cell Cycle Arrest Induction and Apoptosis in Human Umbilical Vein Endothelial Cells. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 289.	2.6	31
13	Co-exposure subacute toxicity of silica nanoparticles and lead acetate on cardiovascular system. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7819-7834.	6.7	31
14	Cellular pathways involved in silica nanoparticles induced apoptosis: A systematic review of in vitro studies. <i>Environmental Toxicology and Pharmacology</i> , 2017, 56, 191-197.	4.0	29
15	Low-dose combined exposure of nanoparticles and heavy metal compared with PM2.5 in human myocardial AC16 cells. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27767-27777.	5.3	29
16	Silica nanoparticles inhibit macrophage activity and angiogenesis via VEGFR2-mediated MAPK signaling pathway in zebrafish embryos. <i>Chemosphere</i> , 2017, 183, 483-490.	8.2	27
17	Genome-wide transcriptional analysis of cardiovascular-related genes and pathways induced by PM2.5 in human myocardial cells. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11683-11693.	5.3	25
18	Co-exposure to amorphous silica nanoparticles and benzo[a]pyrene at low level in human bronchial epithelial BEAS-2B cells. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23134-23144.	5.3	24

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19	Co-exposure of silica nanoparticles and methylmercury induced cardiac toxicity in vitro and in vivo. <i>Science of the Total Environment</i> , 2018, 631-632, 811-821.	8.0	21
20	Gene expression profiles and bioinformatics analysis of human umbilical vein endothelial cells exposed to PM 2.5. <i>Chemosphere</i> , 2017, 183, 589-598.	8.2	19
21	Comprehensive gene and microRNA expression profiling on cardiovascular system in zebrafish co-exposed of SiNPs and MeHg. <i>Science of the Total Environment</i> , 2017, 607-608, 795-805.	8.0	17
22	Integrative analysis of methylome and transcriptome variation of identified cardiac disease-specific genes in human cardiomyocytes after PM2.5 exposure. <i>Chemosphere</i> , 2018, 212, 915-926.	8.2	17
23	The chronic effect of amorphous silica nanoparticles and benzo[a]pyrene co-exposure at low dose in human bronchial epithelial BEAS-2B cells. <i>Toxicology Research</i> , 2019, 8, 731-740.	2.1	11
24	Air Pollution Exposure Affects Severity and Cellular Endotype of Chronic Rhinosinusitis With Nasal Polyps. <i>Laryngoscope</i> , 2022, 132, 2103-2110.	2.0	9