Yan Wang

List of Publications by Year
in descending order

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34	1,254	394421 19	395702 33
papers	citations	h-index	g-index

34	34	34	1330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intermittent exposure to airborne particulate matter induces subcellular dysfunction and aortic cell damage in BALB/c mice through multi-endpoint assessment at environmentally relevant concentrations. Journal of Hazardous Materials, 2022, 424, 127169.	12.4	6
2	Urban fine particulate matter causes cardiac hypertrophy through calcium-mediated mitochondrial bioenergetics dysfunction in mice hearts and human cardiomyocytes. Environmental Pollution, 2022, 305, 119236.	7.5	4
3	Ambient particulate air pollution, blood cell parameters, and effect modification by psychosocial stress: Findings from two studies in three major Chinese cities. Environmental Research, 2022, 210, 112932.	7.5	2
4	Atmospheric particulate matter impedes autophagic flux by impairing lysosomal milieu and integrity in human umbilical vein endothelial cells (HUVECs). Science of the Total Environment, 2021, 761, 143290.	8.0	19
5	Functionalized MoS₂-Based Nanomaterials for Cancer Phototherapy and Other Biomedical Applications. , 2021, 3, 462-496.		68
6	Ambient particulate matter triggers defective autophagy and hijacks endothelial cell renewal through oxidative stress-independent lysosomal impairment. Environmental Pollution, 2021, 286, 117295.	7.5	9
7	The involvement of DRP1-mediated caspase-1 activation in inflammatory response by urban particulate matter in EA.hy926 human vascular endothelial cells. Environmental Pollution, 2021, 287, 117369.	7.5	10
8	The implications of COVID-19 in the ambient environment and psychological conditions. NanoImpact, 2021, 21, 100295.	4.5	6
9	Subacute episodic exposure to environmental levels of atmospheric particulate matter provokes subcellular disequilibrium instead of histological vascular damage. Journal of Hazardous Materials Letters, 2021, 2, 100045.	3.6	3
10	PM2.5 induces autophagy and apoptosis through endoplasmic reticulum stress in human endothelial cells. Science of the Total Environment, 2020, 710, 136397.	8.0	97
11	A metabolomics study: CdTe/ZnS quantum dots induce polarization in mice microglia. Chemosphere, 2020, 246, 125629.	8.2	12
12	The glycolytic shift was involved in CdTe/ZnS quantum dots inducing microglial activation mediated through the mTOR signaling pathway. Journal of Applied Toxicology, 2020, 40, 388-402.	2.8	10
13	Mesoporous Silica Nanoparticles at Predicted Environmentally Relevant Concentrations Cause Impairments in GABAergic Motor Neurons of Nematode Caenorhabditis elegans. Chemical Research in Toxicology, 2020, 33, 1665-1676.	3.3	4
14	Recent advances in MoS₂-based photothermal therapy for cancer and infectious disease treatment. Journal of Materials Chemistry B, 2020, 8, 5793-5807.	5.8	66
15	Ambient particulate matter triggers dysfunction of subcellular structures and endothelial cell apoptosis through disruption of redox equilibrium and calcium homeostasis. Journal of Hazardous Materials, 2020, 394, 122439.	12.4	40
16	CdTe and CdTe@ZnS quantum dots induce IL-1ÃŸ-mediated inflammation and pyroptosis in microglia. Toxicology in Vitro, 2020, 65, 104827.	2.4	25
17	Urban particulate matter disturbs the equilibrium of mitochondrial dynamics and biogenesis in human vascular endothelial cells. Environmental Pollution, 2020, 264, 114639.	7.5	18
18	PM2.5 induces ferroptosis in human endothelial cells through iron overload and redox imbalance. Environmental Pollution, 2019, 254, 112937.	7.5	148

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19	Integrative analysis of mRNAs, miRNAs and lncRNAs in urban particulate matter SRM 1648a-treated EA.hy926 human endothelial cells. Chemosphere, 2019, 233, 711-723.	8.2	25
20	The role of NLRP3 inflammasome activation in the neuroinflammatory responses to Ag₂Se quantum dots in microglia. Nanoscale, 2019, 11, 20820-20836.	5.6	28
21	Identification of mRNA-miRNA crosstalk in human endothelial cells after exposure of PM2.5 through integrative transcriptome analysis. Ecotoxicology and Environmental Safety, 2019, 169, 863-873.	6.0	44
22	Inhibition of nuclear thioredoxin aggregation attenuates PM2.5-induced NF-ÎºB activation and pro-inflammatory responses. Free Radical Biology and Medicine, 2019, 130, 206-214.	2.9	19
23	The apoptosis induced by silica nanoparticle through endoplasmic reticulum stress response in human pulmonary alveolar epithelial cells. Toxicology in Vitro, 2019, 56, 126-132.	2.4	25
24	Genome-wide identification and functional analysis of long non-coding RNAs in human endothelial cell line after incubation with PM2.5. Chemosphere, 2019, 216, 396-403.	8.2	26
25	DNA damage in BVâ€2 cells: An important supplement to the neurotoxicity of CdTe quantum dots. Journal of Applied Toxicology, 2019, 39, 525-539.	2.8	28
26	Review of in vitro toxicological research of quantum dot and potentially involved mechanisms. Science of the Total Environment, 2018, 625, 940-962.	8.0	82
27	Transcriptome analysis of different sizes of 3â€mercaptopropionic acidâ€modified cadmium telluride quantum dotâ€induced toxic effects reveals immune response in rat hippocampus. Journal of Applied Toxicology, 2018, 38, 1177-1194.	2.8	26
28	Risk Reduction Behaviors Regarding PM2.5 Exposure among Outdoor Exercisers in the Nanjing Metropolitan Area, China. International Journal of Environmental Research and Public Health, 2018, 15, 1728.	2.6	22
29	Dysfunction of various organelles provokes multiple cell death after quantum dot exposure. International Journal of Nanomedicine, 2018, Volume 13, 2729-2742.	6.7	53
30	MPA-modified CdTe quantum dots increased interleukin-1beta secretion through MyD88-dependent Toll-like receptor pathway and NLRP3 inflammasome activation in microglia. Toxicology in Vitro, 2018, 52, 41-51.	2.4	26
31	Analysis of differentially changed gene expression in EA.hy926 human endothelial cell after exposure of fine particulate matter on the basis of microarray profile. Ecotoxicology and Environmental Safety, 2018, 159, 213-220.	6.0	20
32	Toxicity of inhaled particulate matter on the central nervous system: neuroinflammation, neuropsychological effects and neurodegenerative disease. Journal of Applied Toxicology, 2017, 37, 644-667.	2.8	140
33	The mechanisms for lung cancer risk of PM_{2.5}: Induction of epithelialâ€mesenchymal transition and cancer stem cell properties in human nonâ€small cell lung cancer cells. Environmental Toxicology, 2017, 32, 2341-2351.	4.0	66
34	Probabilistic modeling of the flows and environmental risks of nano-silica. Science of the Total Environment, 2016, 545-546, 67-76.	8.0	77