

Yan Wang

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,254
citations

394421

19
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

1330
citing authors

#	ARTICLE	IF	CITATIONS
1	PM2.5 induces ferroptosis in human endothelial cells through iron overload and redox imbalance. <i>Environmental Pollution</i> , 2019, 254, 112937.	7.5	148
2	Toxicity of inhaled particulate matter on the central nervous system: neuroinflammation, neuropsychological effects and neurodegenerative disease. <i>Journal of Applied Toxicology</i> , 2017, 37, 644-667.	2.8	140
3	PM2.5 induces autophagy and apoptosis through endoplasmic reticulum stress in human endothelial cells. <i>Science of the Total Environment</i> , 2020, 710, 136397.	8.0	97
4	Review of in vitro toxicological research of quantum dot and potentially involved mechanisms. <i>Science of the Total Environment</i> , 2018, 625, 940-962.	8.0	82
5	Probabilistic modeling of the flows and environmental risks of nano-silica. <i>Science of the Total Environment</i> , 2016, 545-546, 67-76.	8.0	77
6	Functionalized MoS ₂ -Based Nanomaterials for Cancer Phototherapy and Other Biomedical Applications. , 2021, 3, 462-496.		68
7	The mechanisms for lung cancer risk of PM _{2.5} : Induction of epithelial-mesenchymal transition and cancer stem cell properties in human non-small cell lung cancer cells. <i>Environmental Toxicology</i> , 2017, 32, 2341-2351.	4.0	66
8	Recent advances in MoS ₂ -based photothermal therapy for cancer and infectious disease treatment. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5793-5807.	5.8	66
9	Dysfunction of various organelles provokes multiple cell death after quantum dot exposure. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 2729-2742.	6.7	53
10	Identification of mRNA-miRNA crosstalk in human endothelial cells after exposure of PM2.5 through integrative transcriptome analysis. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 863-873.	6.0	44
11	Ambient particulate matter triggers dysfunction of subcellular structures and endothelial cell apoptosis through disruption of redox equilibrium and calcium homeostasis. <i>Journal of Hazardous Materials</i> , 2020, 394, 122439.	12.4	40
12	The role of NLRP3 inflammasome activation in the neuroinflammatory responses to Ag ₂ Se quantum dots in microglia. <i>Nanoscale</i> , 2019, 11, 20820-20836.	5.6	28
13	DNA damage in BV2 cells: An important supplement to the neurotoxicity of CdTe quantum dots. <i>Journal of Applied Toxicology</i> , 2019, 39, 525-539.	2.8	28
14	Transcriptome analysis of different sizes of 3-mercaptopropionic acid-modified cadmium telluride quantum dot-induced toxic effects reveals immune response in rat hippocampus. <i>Journal of Applied Toxicology</i> , 2018, 38, 1177-1194.	2.8	26
15	MPA-modified CdTe quantum dots increased interleukin-1beta secretion through MyD88-dependent Toll-like receptor pathway and NLRP3 inflammasome activation in microglia. <i>Toxicology in Vitro</i> , 2018, 52, 41-51.	2.4	26
16	Genome-wide identification and functional analysis of long non-coding RNAs in human endothelial cell line after incubation with PM2.5. <i>Chemosphere</i> , 2019, 216, 396-403.	8.2	26
17	Integrative analysis of mRNAs, miRNAs and lncRNAs in urban particulate matter SRM 1648a-treated EA.hy926 human endothelial cells. <i>Chemosphere</i> , 2019, 233, 711-723.	8.2	25
18	The apoptosis induced by silica nanoparticle through endoplasmic reticulum stress response in human pulmonary alveolar epithelial cells. <i>Toxicology in Vitro</i> , 2019, 56, 126-132.	2.4	25

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19	CdTe and CdTe@ZnS quantum dots induce IL-1 β -mediated inflammation and pyroptosis in microglia. <i>Toxicology in Vitro</i> , 2020, 65, 104827.	2.4	25
20	Risk Reduction Behaviors Regarding PM2.5 Exposure among Outdoor Exercisers in the Nanjing Metropolitan Area, China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1728.	2.6	22
21	Analysis of differentially changed gene expression in EA.hy926 human endothelial cell after exposure of fine particulate matter on the basis of microarray profile. <i>Ecotoxicology and Environmental Safety</i> , 2018, 159, 213-220.	6.0	20
22	Inhibition of nuclear thioredoxin aggregation attenuates PM2.5-induced NF- κ B activation and pro-inflammatory responses. <i>Free Radical Biology and Medicine</i> , 2019, 130, 206-214.	2.9	19
23	Atmospheric particulate matter impedes autophagic flux by impairing lysosomal milieu and integrity in human umbilical vein endothelial cells (HUVECs). <i>Science of the Total Environment</i> , 2021, 761, 143290.	8.0	19
24	Urban particulate matter disturbs the equilibrium of mitochondrial dynamics and biogenesis in human vascular endothelial cells. <i>Environmental Pollution</i> , 2020, 264, 114639.	7.5	18
25	A metabolomics study: CdTe/ZnS quantum dots induce polarization in mice microglia. <i>Chemosphere</i> , 2020, 246, 125629.	8.2	12
26	The glycolytic shift was involved in CdTe/ZnS quantum dots inducing microglial activation mediated through the mTOR signaling pathway. <i>Journal of Applied Toxicology</i> , 2020, 40, 388-402.	2.8	10
27	The involvement of DRP1-mediated caspase-1 activation in inflammatory response by urban particulate matter in EA.hy926 human vascular endothelial cells. <i>Environmental Pollution</i> , 2021, 287, 117369.	7.5	10
28	Ambient particulate matter triggers defective autophagy and hijacks endothelial cell renewal through oxidative stress-independent lysosomal impairment. <i>Environmental Pollution</i> , 2021, 286, 117295.	7.5	9
29	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. <i>Journal of Hazardous Materials</i> , 2022, 424, 127169.	12.4	6
30	The implications of COVID-19 in the ambient environment and psychological conditions. <i>NanoImpact</i> , 2021, 21, 100295.	4.5	6
31	Mesoporous Silica Nanoparticles at Predicted Environmentally Relevant Concentrations Cause Impairments in GABAergic Motor Neurons of Nematode <i>Caenorhabditis elegans</i> . <i>Chemical Research in Toxicology</i> , 2020, 33, 1665-1676.	3.3	4
32	Urban fine particulate matter causes cardiac hypertrophy through calcium-mediated mitochondrial bioenergetics dysfunction in mice hearts and human cardiomyocytes. <i>Environmental Pollution</i> , 2022, 305, 119236.	7.5	4
33	Subacute episodic exposure to environmental levels of atmospheric particulate matter provokes subcellular disequilibrium instead of histological vascular damage. <i>Journal of Hazardous Materials Letters</i> , 2021, 2, 100045.	3.6	3
34	Ambient particulate air pollution, blood cell parameters, and effect modification by psychosocial stress: Findings from two studies in three major Chinese cities. <i>Environmental Research</i> , 2022, 210, 112932.	7.5	2