

# Tianshu Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,447  
citations

331670

21  
h-index

345221

36  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1547  
citing authors

#	ARTICLE	IF	CITATIONS
1	NADPH oxidases regulate endothelial inflammatory injury induced by PM <sub>2.5</sub> via AKT/eNOS/NO axis. <i>Journal of Applied Toxicology</i> , 2022, 42, 738-749.	2.8	7
2	Protein corona mitigated the cytotoxicity of CdTe QDs to macrophages by targeting mitochondria. <i>NanoImpact</i> , 2022, 25, 100367.	4.5	13
3	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
4	Nitrogen-doped graphene quantum dots induce ferroptosis through disrupting calcium homeostasis in microglia. <i>Particle and Fibre Toxicology</i> , 2022, 19, 22.	6.2	18
5	Respiratory exposure to graphene quantum dots causes fibrotic effects on lung, liver and kidney of mice. <i>Food and Chemical Toxicology</i> , 2022, 163, 112971.	3.6	9
6	Ag <sub>2</sub> Se quantum dots damage the nervous system of nematode <i>Caenorhabditis elegans</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 279-285.	2.7	4
7	Silver nanoparticles induced hippocampal neuronal damage involved in mitophagy, mitochondrial biogenesis and synaptic degeneration. <i>Food and Chemical Toxicology</i> , 2022, 166, 113227.	3.6	10
8	Identification of potential circRNA-miRNA-mRNA regulatory networks in response to graphene quantum dots in microglia by microarray analysis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111672.	6.0	20
9	Mitophagy lysosomal pathway is involved in silver nanoparticle-induced apoptosis in A549 cells. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111463.	6.0	30
10	A Fluorescent Sensor for Daunorubicin Determination Using 808nm-excited Upconversion Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2868-2876.	3.7	4
11	Neurobehavior and neuron damage following prolonged exposure of silver nanoparticles with/without polyvinylpyrrolidone coating in <i>Caenorhabditis elegans</i> . <i>Journal of Applied Toxicology</i> , 2021, 41, 2055-2067.	2.8	12
12	Assessment of the Toxicity of Quantum Dots through Biliometric Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5768.	2.6	11
13	Research Advances on the Adverse Effects of Nanomaterials in a Model Organism, <i>Caenorhabditis elegans</i> . <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2406-2424.	4.3	17
14	The key role of autophagy in silver nanoparticle-induced BV2 cells inflammation and polarization. <i>Food and Chemical Toxicology</i> , 2021, 154, 112324.	3.6	8
15	The crosstalk between DRP1-dependent mitochondrial fission and oxidative stress triggers hepatocyte apoptosis induced by silver nanoparticles. <i>Nanoscale</i> , 2021, 13, 12356-12369.	5.6	18
16	A Deep Learning Analysis Reveals Nitrogen-Doped Graphene Quantum Dots Damage Neurons of Nematode <i>Caenorhabditis elegans</i> . <i>Nanomaterials</i> , 2021, 11, 3314.	4.1	9
17	Silver nanoparticles modulate mitochondrial dynamics and biogenesis in HepG2 cells. <i>Environmental Pollution</i> , 2020, 256, 113430.	7.5	64
18	A metabolomics study: CdTe/ZnS quantum dots induce polarization in mice microglia. <i>Chemosphere</i> , 2020, 246, 125629.	8.2	12

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19	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
20	Induction of ferroptosis in response to graphene quantum dots through mitochondrial oxidative stress in microglia. <i>Particle and Fibre Toxicology</i> , 2020, 17, 30.	6.2	73
21	Microarray analysis of gene expression differences in microglia after exposure to graphene quantum dots. <i>Science of the Total Environment</i> , 2020, 749, 141385.	8.0	7
22	Differentially expressed profiles of long non-coding RNA in responses to graphene quantum dots in microglia through analysis of microarray data. <i>NanoImpact</i> , 2020, 19, 100244.	4.5	4
23	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
24	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
25	Biodistribution and organ oxidative damage following 28 days oral administration of nanosilver with/without coating in mice. <i>Journal of Applied Toxicology</i> , 2020, 40, 815-831.	2.8	30
26	CdTe and CdTe@ZnS quantum dots induce IL-1 $\beta$ -mediated inflammation and pyroptosis in microglia. <i>Toxicology in Vitro</i> , 2020, 65, 104827.	2.4	25
27	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
28	The NLRP3-Mediated Neuroinflammatory Responses to CdTe Quantum Dots and the Protection of ZnS Shell. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3217-3233.	6.7	18
29	Genotoxic effects of silver nanoparticles with/without coating in human liver HepG2 cells and in mice. <i>Journal of Applied Toxicology</i> , 2019, 39, 908-918.	2.8	41
30	The role of NLRP3 inflammasome activation in the neuroinflammatory responses to Ag <sub>2</sub> Se quantum dots in microglia. <i>Nanoscale</i> , 2019, 11, 20820-20836.	5.6	28
31	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
32	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
33	<i>Caenorhabditis elegans</i> as a complete model organism for biosafety assessments of nanoparticles. <i>Chemosphere</i> , 2019, 221, 708-726.	8.2	86
34	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
35	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
36	Transcriptome analysis of different sizes of 3-mercaptopropionic acid-modified cadmium telluride quantum dots induced toxic effects reveals immune response in rat hippocampus. <i>Journal of Applied Toxicology</i> , 2018, 38, 1177-1194.	2.8	26

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37	The inflammatory response to silver and titanium dioxide nanoparticles in the central nervous system. <i>Nanomedicine</i> , 2018, 13, 233-249.	3.3	75
38	Review of the effects of manufactured nanoparticles on mammalian target organs. <i>Journal of Applied Toxicology</i> , 2018, 38, 25-40.	2.8	167
39	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
40	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
41	The protective effects of resveratrol, H <sub>2</sub> S and thermotherapy on the cell apoptosis induced by CdTe quantum dots. <i>Toxicology in Vitro</i> , 2017, 41, 106-113.	2.4	13
42	Impairments of spatial learning and memory following intrahippocampal injection in rats of 3-mercaptopropionic acid-modified CdTe quantum dots and molecular mechanisms. <i>International Journal of Nanomedicine</i> , 2016, 11, 2737.	6.7	29
43	Research advances on potential neurotoxicity of quantum dots. <i>Journal of Applied Toxicology</i> , 2016, 36, 345-351.	2.8	42
44	Liver Toxicity of Cadmium Telluride Quantum Dots (CdTe QDs) Due to Oxidative Stress in Vitro and in Vivo. <i>International Journal of Molecular Sciences</i> , 2015, 16, 23279-23299.	4.1	83
45	MPA-capped CdTe quantum dots exposure causes neurotoxic effects in nematode <i>Caenorhabditis elegans</i> by affecting the transporters and receptors of glutamate, serotonin and dopamine at the genetic level, or by increasing ROS, or both. <i>Nanoscale</i> , 2015, 7, 20460-20473.	5.6	57
46	Partial protection of N-acetylcysteine against MPA-capped CdTe quantum dot-induced neurotoxicity in rat primary cultured hippocampal neurons. <i>Toxicology Research</i> , 2015, 4, 1613-1622.	2.1	19
47	Toxicity of quantum dots on respiratory system. <i>Inhalation Toxicology</i> , 2014, 26, 128-139.	1.6	71
48	A online boosting approach for traffic flow forecasting under abnormal conditions. , 2012, , .		13
49	Deducing and forecasting expressway status based on toll collection data. , 2010, , .		0
50	A Novel Spatio-temporal Clustering Approach by Process Similarity. , 2009, , .		7
51	Mining geographic episode association patterns of abnormal events in global earth science data. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 155-164.	0.9	14
52	A Multiple SVR Approach with Time Lags for Traffic Flow Prediction. , 2008, , .		8