

An Xu

List of Publications by Year in descending order

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56
papers

1,335
citations

304743

22
h-index

377865

34
g-index

56
all docs

56
docs citations

56
times ranked

2000
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined biological effects of silver nanoparticles and heavy metals in different target cell lines. <i>Environmental Science and Pollution Research</i> , 2022, 29, 16324-16331.	5.3	2
2	Moderate intensity of static magnetic fields can alter the avoidance behavior and fat storage of <i>Caenorhabditis elegans</i> via serotonin. <i>Environmental Science and Pollution Research</i> , 2022, 29, 43102-43113.	5.3	5
3	DNA damage-induced translocation of mitochondrial factor HIGD1A into the nucleus regulates homologous recombination and radio/chemo-sensitivity. <i>Oncogene</i> , 2022, 41, 1918-1930.	5.9	12
4	Transgenerational reproductive toxicity of 2,4,6-trinitrotoluene (TNT) and its metabolite 4-ADNT in <i>Caenorhabditis elegans</i> . <i>Environmental Toxicology and Pharmacology</i> , 2022, 92, 103865.	4.0	6
5	Monitoring arsenic using genetically encoded biosensors in vitro: The role of evolved regulatory genes. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111273.	6.0	9
6	Intratracheally instilled diesel PM2.5 significantly altered the structure and composition of indigenous murine gut microbiota. <i>Ecotoxicology and Environmental Safety</i> , 2021, 210, 111903.	6.0	27
7	Silver nanoparticles protect against arsenic induced genotoxicity via attenuating arsenic bioaccumulation and elevating antioxidation in mammalian cells. <i>Journal of Hazardous Materials</i> , 2021, 413, 125287.	12.4	10
8	Downregulation of CDC20 Increases Radiosensitivity through Mcl-1/p-Chk1-Mediated DNA Damage and Apoptosis in Tumor Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6692.	4.1	12
9	Antagonizing CDK8 Sensitizes Colorectal Cancer to Radiation Through Potentiating the Transcription of e2f1 Target Gene apaf1. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 408.	3.7	14
10	Pan-Cancer Analysis of Radiotherapy Benefits and Immune Infiltration in Multiple Human Cancers. <i>Cancers</i> , 2020, 12, 957.	3.7	10
11	Effects of ionic strength on physicochemical properties and toxicity of silver nanoparticles. <i>Science of the Total Environment</i> , 2019, 647, 1088-1096.	8.0	33
12	Radiation induces apoptosis primarily through the intrinsic pathway in mammalian cells. <i>Cellular Signalling</i> , 2019, 62, 109337.	3.6	38
13	Aging-independent and size-dependent genotoxic response induced by titanium dioxide nanoparticles in mammalian cells. <i>Journal of Environmental Sciences</i> , 2019, 85, 94-106.	6.1	18
14	Subcellular Targets of Zinc Oxide Nanoparticles During the Aging Process: Role of Cross-talk Between Mitochondrial Dysfunction and Endoplasmic Reticulum Stress in the Genotoxic Response. <i>Toxicological Sciences</i> , 2019, 171, 159-171.	3.1	18
15	Parental exposure to TiO ₂ NPs promotes the multigenerational reproductive toxicity of Cd in <i>Caenorhabditis elegans</i> via bioaccumulation of Cd in germ cells. <i>Environmental Science: Nano</i> , 2019, 6, 1332-1342.	4.3	16
16	Transgenerational effects of diesel particulate matter on <i>Caenorhabditis elegans</i> through maternal and multigenerational exposure. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 635-643.	6.0	33
17	Graphene oxide regulates <i>cox2</i> in human embryonic kidney 293T cells via epigenetic mechanisms: dynamic chromosomal interactions. <i>Nanotoxicology</i> , 2018, 12, 117-137.	3.0	16
18	Molybdenum disulfide/graphene oxide nanocomposites show favorable lung targeting and enhanced drug loading/tumor-killing efficacy with improved biocompatibility. <i>NPG Asia Materials</i> , 2018, 10, e458-e458.	7.9	58

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19	Assessment of the cytotoxic and mutagenic potential of the Jialu River and adjacent groundwater using human-hamster hybrid cells. <i>Journal of Environmental Sciences</i> , 2018, 70, 133-143.	6.1	2
20	Preliminary investigation on cytotoxicity of fluorinated polymer nanoparticles. <i>Journal of Environmental Sciences</i> , 2018, 69, 217-226.	6.1	19
21	Autophagy-Src Regulates Connexin43-Mediated Gap Junction Intercellular Communication in Irradiated HepG2 Cells. <i>Radiation Research</i> , 2018, 190, 494.	1.5	8
22	dbCRSR: a manually curated database for regulation of cancer radiosensitivity. <i>Database: the Journal of Biological Databases and Curation</i> , 2018, 2018, .	3.0	8
23	Effect of ionic strength on bioaccumulation and toxicity of silver nanoparticles in <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 291-298.	6.0	37
24	N-(3-oxo-acyl) homoserine lactone induced germ cell apoptosis and suppressed the over-activated RAS/MAPK tumorigenesis via mitochondrial-dependent ROS in <i>C. elegans</i> . <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2018, 23, 626-640.	4.9	21
25	The biotransformation of graphene oxide in lung fluids significantly alters its inherent properties and bioactivities toward immune cells. <i>NPG Asia Materials</i> , 2018, 10, 385-396.	7.9	31
26	Graphene oxide antagonizes the toxic response to arsenic via activation of protective autophagy and suppression of the arsenic-binding protein LEC-1 in <i>Caenorhabditis elegans</i> . <i>Environmental Science: Nano</i> , 2018, 5, 1711-1728.	4.3	16
27	Mechanisms involved in the impact of engineered nanomaterials on the joint toxicity with environmental pollutants. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 92-102.	6.0	66
28	Bio-transformation of Graphene Oxide in Lung Fluids Significantly Enhances Its Photothermal Efficacy. <i>Nanotheranostics</i> , 2018, 2, 222-232.	5.2	18
29	TiO ₂ nanoparticles enhance bioaccumulation and toxicity of heavy metals in <i>Caenorhabditis elegans</i> via modification of local concentrations during the sedimentation process. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 160-169.	6.0	29
30	Disruption of Chromosomal Architecture of cox2 Locus Sensitizes Lung Cancer Cells to Radiotherapy. <i>Molecular Therapy</i> , 2018, 26, 2456-2465.	8.2	15
31	Assessment of Genotoxic Effects by Constructing a 3D Cellular System with Highly Sensitive Mutagenic Human-Hamster Hybrid Cells. <i>Chemical Research in Toxicology</i> , 2018, 31, 594-600.	3.3	4
32	Mitochondria and MAPK cascades modulate endosulfan-induced germline apoptosis in <i>Caenorhabditis elegans</i> . <i>Toxicology Research</i> , 2017, 6, 412-419.	2.1	15
33	Lipid Metabolism was Interfered by Phosphatidylcholine-Coated Magnetic Nanoparticles in <i>C. elegans</i> Exposed to 0.5 T Static Magnetic Field. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 3172-3180.	0.9	6
34	The fourth crystallographic closest packing unveiled in the gold nanocluster crystal. <i>Nature Communications</i> , 2017, 8, 14739.	12.8	151
35	Amplification of arsenic genotoxicity by TiO ₂ nanoparticles in mammalian cells: new insights from physicochemical interactions and mitochondria. <i>Nanotoxicology</i> , 2017, 11, 978-995.	3.0	23
36	A novel method for assessing the toxicity of silver nanoparticles in <i>Caenorhabditis elegans</i> . <i>Chemosphere</i> , 2017, 168, 648-657.	8.2	24

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37	Spatial function of the oxidative DNA damage response in radiation induced bystander effects in intra- and inter-system of <i>Caenorhabditis elegans</i> . <i>Oncotarget</i> , 2017, 8, 51253-51263.	1.8	9
38	Perfluorooctane sulfonate exposure causes gonadal developmental toxicity in <i>Caenorhabditis elegans</i> through ROS-induced DNA damage. <i>Chemosphere</i> , 2016, 155, 115-126.	8.2	41
39	Flash-preparation of strongly coupled metal nanoparticle clusters with sub-nm gaps by Ag ⁺ sintering: toward effective plasmonic tuning of solution-assembled nanomaterials. <i>Chemical Science</i> , 2016, 7, 5435-5440.	7.4	33
40	Investigating the environmental factors affecting the toxicity of silver nanoparticles in <i>Escherichia coli</i> with dual fluorescence analysis. <i>Chemosphere</i> , 2016, 155, 329-335.	8.2	6
41	Dry Sintering Meets Wet Silver Soldering: Charge Transfer Plasmon Engineering of Solution-Assembled Gold Nanodimers From Visible to Near-Infrared...I and II...Regions. <i>Angewandte Chemie International Edition</i> , 2016, 55, 14296-14300.	3.8	34
42	Dry Sintering Meets Wet Silver Soldering: Charge Transfer Plasmon Engineering of Solution-Assembled Gold Nanodimers From Visible to Near-Infrared...I and II...Regions. <i>Angewandte Chemie</i> , 2016, 128, 14508-14512.	3.0	12
43	Insights into the Ecotoxicity of Silver Nanoparticles Transferred from <i>Escherichia coli</i> to <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2016, 6, 36465.	3.3	62
44	Size-Dependent Cytotoxicity of Thiolated Silver Nanoparticles Rapidly Probed by using Differential Pulse Voltammetry. <i>ChemElectroChem</i> , 2016, 3, 1197-1200.	3.4	3
45	Spectroscopic probe to contribution of physicochemical transformations in the toxicity of aged ZnO NPs to <i>Chlorella vulgaris</i> : new insight into the variation of toxicity of ZnO NPs under aging process. <i>Nanotoxicology</i> , 2016, 10, 1177-1187.	3.0	35
46	Graphene Oxide Attenuates the Cytotoxicity and Mutagenicity of PCB 52 via Activation of Genuine Autophagy. <i>Environmental Science & Technology</i> , 2016, 50, 3154-3164.	10.0	48
47	The Roles of p21/Waf1/CIP1 and Hus1 in Generation and Transmission of Damage Signals Stimulated by Low-Dose Alpha-Particle Irradiation. <i>Radiation Research</i> , 2015, 184, 578.	1.5	4
48	Reproductive Toxicity of Endosulfan: Implication From Germ Cell Apoptosis Modulated by Mitochondrial Dysfunction and Genotoxic Response Genes in <i>Caenorhabditis elegans</i> . <i>Toxicological Sciences</i> , 2015, 145, 118-127.	3.1	45
49	Role of nitric oxide in the genotoxic response to chronic microcystin-LR exposure in human hamster hybrid cells. <i>Journal of Environmental Sciences</i> , 2015, 29, 210-218.	6.1	19
50	Fluorescent G-quadruplex-NMM DNA probe for the detection of silver nanoparticles in aqueous media. <i>Analytical Methods</i> , 2015, 7, 1672-1675.	2.7	8
51	Mutagenicity of ZnO nanoparticles in mammalian cells: Role of physicochemical transformations under the aging process. <i>Nanotoxicology</i> , 2015, 9, 972-982.	3.0	42
52	The acidic transformed nano-VO ₂ causes macrophage cell death by the induction of lysosomal membrane permeabilization and Ca ²⁺ efflux. <i>Toxicology Reports</i> , 2015, 2, 870-879.	3.3	4
53	Mutagenic Effects of Perfluorooctanesulfonic Acid in <i>Delta</i> Transgenic System Are Mediated by Hydrogen Peroxide. <i>Environmental Science & Technology</i> , 2015, 49, 6294-6303.	10.0	8
54	Evolved Bacterial Biosensor for Arsenite Detection in Environmental Water. <i>Environmental Science & Technology</i> , 2015, 49, 6149-6155.	10.0	52

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55	Chemoresponsive Colloidosomes via Ag ⁺ Soldering of Surface-Assembled Nanoparticle Monolayers. Langmuir, 2015, 31, 4589-4592.	3.5	14
56	Molecular control of arsenite-induced apoptosis in Caenorhabditis elegans: Roles of insulin-like growth factor-1 signaling pathway. Chemosphere, 2014, 112, 248-255.	8.2	26