

Lijun Wu

List of Publications by Year in descending order

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90
papers

2,081
citations

218677

26
h-index

276875

41
g-index

91
all docs

91
docs citations

91
times ranked

2897
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Ceramide mediates radiation-induced germ cell apoptosis via regulating mitochondria function and MAPK factors in <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111579.	6.0	10
4	Ecotoxicity Risk of Low-Dose Methylmercury Exposure to <i>Caenorhabditis elegans</i> : Multigenerational Toxicity and Population Discrepancy. <i>Chemical Research in Toxicology</i> , 2021, 34, 1114-1123.	3.3	8
5	Advances in neural organoid systems and their application in neurotoxicity testing of environmental chemicals. <i>Genes and Environment</i> , 2021, 43, 39.	2.1	7
6	Enhancement of DNA damage repair potential in germ cells of <i>Caenorhabditis elegans</i> by a volatile signal from their irradiated partners. <i>DNA Repair</i> , 2020, 86, 102755.	2.8	4
7	UV-induced over time transformation of AgNPs in commercial wound dressings and adverse biological effects on <i>Caenorhabditis elegans</i> . <i>NanoImpact</i> , 2020, 17, 100193.	4.5	3
8	Silver nanoparticle-activated COX2/PGE2 axis involves alteration of lung cellular senescence in vitro and in vivo. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111070.	6.0	16
9	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
10	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
11	Mapping Quantitative Trait Loci for 1000-Grain Weight in a Double Haploid Population of Common Wheat. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3960.	4.1	19
12	Pan-Cancer Analysis of Radiotherapy Benefits and Immune Infiltration in Multiple Human Cancers. <i>Cancers</i> , 2020, 12, 957.	3.7	10
13	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
14	A potential involvement of plant systemic response in initiating genotoxicity of Ag-nanoparticles in <i>Arabidopsis thaliana</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 324-330.	6.0	11
15	Comparative transcriptome analysis of two selenium-accumulating genotypes of <i>Aegilops tauschii</i> Coss. in response to selenium. <i>BMC Genetics</i> , 2019, 20, 9.	2.7	10
16	Radiation induces apoptosis primarily through the intrinsic pathway in mammalian cells. <i>Cellular Signalling</i> , 2019, 62, 109337.	3.6	38
17	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
18	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

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19	Negative Modulation of Bystander DNA Repair Potential by X-Ray Targeted Tissue Volume in <i>Arabidopsis thaliana</i> . <i>Radiation Research</i> , 2019, 191, 556.	1.5	4
20	The melatonin-MT1 receptor axis modulates tumor growth in PTEN-mutated gliomas. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 1322-1330.	2.1	14
21	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
22	Induction of reproductive cell death in <i>Caenorhabditis elegans</i> across entire linear-energy-transfer range of carbon-ion irradiation. <i>DNA Repair</i> , 2018, 63, 39-46.	2.8	5
23	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
24	Autophagy-Src Regulates Connexin43-Mediated Gap Junction Intercellular Communication in Irradiated HepG2 Cells. <i>Radiation Research</i> , 2018, 190, 494.	1.5	8
25	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
26	Involvement of telomerase activity inhibition and telomere dysfunction in silver nanoparticles anticancer effects. <i>Nanomedicine</i> , 2018, 13, 2067-2082.	3.3	6
27	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
28	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
29	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
30	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
31	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
32	Disruption of Chromosomal Architecture of <i>cox2</i> Locus Sensitizes Lung Cancer Cells to Radiotherapy. <i>Molecular Therapy</i> , 2018, 26, 2456-2465.	8.2	15
33	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
34	Effect of modeled microgravity on radiation-induced adaptive response of root growth in <i>Arabidopsis thaliana</i> . <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2017, 796, 20-28.	1.0	11
35	Development of dual-fluorescence cell-based biosensors for detecting the influence of environmental factors on nanoparticle toxicity. <i>Chemosphere</i> , 2017, 171, 177-184.	8.2	3
36	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

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37	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
38	Multi-Walled Carbon Nanotubes Induced the Developmental Abnormality of <i>Caenorhabditis elegans</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 3913-3919.	0.9	0
39	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
40	Low Concentration of Exogenous Carbon Monoxide Modulates Radiation-Induced Bystander Effect in Mammalian Cell Cluster Model. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2051.	4.1	6
41	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
42	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
43	A pivotal role of the jasmonic acid signal pathway in mediating radiation-induced bystander effects in <i>Arabidopsis thaliana</i> . <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 791-792, 1-9.	1.0	11
44	Interaction between Radioadaptive Response and Radiation-Induced Bystander Effect in <i>Caenorhabditis elegans</i> : A Unique Role of the DNA Damage Checkpoint. <i>Radiation Research</i> , 2016, 186, 662.	1.5	14
45	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
46	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
47	Radioadaptive Response for Reproductive Cell Death Demonstrated in In Vivo Tissue Model of <i>Caenorhabditis elegans</i> . <i>Radiation Research</i> , 2016, 185, 402.	1.5	9
48	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
49	Dual-emissive fluorescence measurements of hydroxyl radicals using a coumarin-activated silica nanohybrid probe. <i>Analyst</i> , 2016, 141, 2296-2302.	3.5	34
50	The Roles of p21Waf1/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
51	ROS/Autophagy/Nrf2 Pathway Mediated Low-Dose Radiation Induced Radio-Resistance in Human Lung Adenocarcinoma A549 Cell. <i>International Journal of Biological Sciences</i> , 2015, 11, 833-844.	6.4	82
52	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
53	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
54	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

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55	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
56	Evolved Bacterial Biosensor for Arsenite Detection in Environmental Water. <i>Environmental Science & Technology</i> , 2015, 49, 6149-6155.	10.0	52
57	Chloride-induced shape transformation of silver nanoparticles in a water environment. <i>Environmental Pollution</i> , 2015, 204, 145-151.	7.5	27
58	An oxidative cleavage-based ratiometric fluorescent probe for hypochlorous acid detection and imaging. <i>RSC Advances</i> , 2014, 4, 59961-59964.	3.6	20
59	Label-free selective SERS detection of PCB-77 based on DNA aptamer modified SiO ₂ @Au core/shell nanoparticles. <i>Analyt. The</i> , 2014, 139, 3083.	3.5	50
60	Highly photostable and biocompatible graphene oxides with amino acid functionalities. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7126.	5.5	13
61	Molecular control of arsenite-induced apoptosis in <i>Caenorhabditis elegans</i> : Roles of insulin-like growth factor-1 signaling pathway. <i>Chemosphere</i> , 2014, 112, 248-255.	8.2	26
62	PFOS-induced apoptosis through mitochondrion-dependent pathway in human-hamster hybrid cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 754, 51-57.	1.7	29
63	Affinity maturation of anti-TNF- α scFv with somatic hypermutation in non-B cells. <i>Protein and Cell</i> , 2012, 3, 460-469.	11.0	20
64	Selection of DNA aptamers against polychlorinated biphenyls as potential biorecognition elements for environmental analysis. <i>Analytical Biochemistry</i> , 2012, 423, 195-201.	2.4	66
65	Mutagenicity of PFOA in Mammalian Cells: Role of Mitochondria-Dependent Reactive Oxygen Species. <i>Environmental Science & Technology</i> , 2011, 45, 1638-1644.	10.0	40
66	Alpha-Particles and ⁶⁰ Co γ -Rays Have Different Biological Effects on Upland Cotton (<i>Gossypium</i>) Tj ETQq0 0 0 rgBT/QOverlock 10 Tf 50 3	0.2	0
67	The Time Course of Long-Distance Signaling in Radiation-Induced Bystander Effect <i>In Vivo</i> in <i>Arabidopsis thaliana</i> Demonstrated Using Root Micro-Grafting. <i>Radiation Research</i> , 2011, 176, 234-243.	1.5	25
68	Surface Structures and Osteoblast Activity on Biomedical Polytetrafluoroethylene Treated by Long-Pulse, High-Frequency Oxygen Plasma Immersion Ion Implantation. <i>Advanced Engineering Materials</i> , 2010, 12, B163.	3.5	10
69	Inside Front Cover (Adv. Eng. Mater. 5/2010). <i>Advanced Engineering Materials</i> , 2010, 12, n/a-n/a.	3.5	0
70	Abscopal Signals Mediated Bio-Effects in Low-Energy Ion Irradiated <i>Medicago truncatula</i> Seeds. <i>Journal of Radiation Research</i> , 2010, 51, 651-656.	1.6	13
71	Exogenous carbon monoxide protects the bystander Chinese hamster ovary cells in mixed coculture system after alpha-particle irradiation. <i>Carcinogenesis</i> , 2010, 31, 275-280.	2.8	29
72	Activated Toxicity of Diesel Particulate Extract by Ultraviolet A Radiation in Mammalian Cells: Role of Singlet Oxygen. <i>Environmental Health Perspectives</i> , 2009, 117, 436-441.	6.0	32

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73	Up-regulation of ROS by mitochondria-dependent bystander signaling contributes to genotoxicity of bystander effects. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 666, 68-73.	1.0	67
74	The damaging effects of nitrogen ion beam implantation on upland cotton (<i>Gossypium hirsutum</i> L.) pollen grains. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 3959-3967.	1.4	2
75	Impact of <i>Bacillus subtilis</i> JA, a biocontrol strain of fungal plant pathogens, on arbuscular mycorrhiza formation in <i>Zea mays</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 1133-1137.	3.6	12
76	Antagonistic effects of volatiles generated by <i>Bacillus subtilis</i> on spore germination and hyphal growth of the plant pathogen, <i>Botrytis cinerea</i> . <i>Biotechnology Letters</i> , 2008, 30, 919-923.	2.2	124
77	Radiation-induced bystander effects enhanced by elevated sodium chloride through sensitizing cells to bystander factors. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 644, 43-47.	1.0	9
78	Induction of Germline Cell Cycle Arrest and Apoptosis by Sodium Arsenite in <i>Caenorhabditis elegans</i> . <i>Chemical Research in Toxicology</i> , 2007, 20, 181-186.	3.3	58
79	Utilizing low-energy ion beams to study living organisms. <i>Surface and Coatings Technology</i> , 2007, 201, 8034-8038.	4.8	11
80	Elevated sodium chloride concentrations enhance the bystander effects induced by low dose alpha-particle irradiation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 624, 124-131.	1.0	13
81	Effects of arbuscular mycorrhizal fungi on the growth, nutrient uptake and glycyrrhizin production of licorice (<i>Glycyrrhiza uralensis</i> Fisch). <i>Plant Growth Regulation</i> , 2007, 52, 29-39.	3.4	73
82	Effects induced by keV low-energy ion irradiation in the nematode <i>Caenorhabditis elegans</i> . <i>Radiation and Environmental Biophysics</i> , 2007, 46, 255-261.	1.4	8
83	The time and spatial effects of bystander response in mammalian cells induced by low dose radiation. <i>Carcinogenesis</i> , 2006, 27, 245-251.	2.8	139
84	Mutagenic effect of a keV range N ⁺ beam on mammalian cells. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 234, 477-486.	1.4	11
85	In Situ Visualization of DSBs to Assess the Extranuclear/Extracellular Effects Induced by Low-Dose α -Particle Irradiation. <i>Radiation Research</i> , 2005, 164, 286-291.	1.5	43
86	Development of the CAS-LIBB single-particle microbeam for localized irradiation of living cells. <i>Science Bulletin</i> , 2004, 49, 1806-1811.	1.7	9
87	Survival of mammalian cells under high vacuum condition for ion bombardment. <i>Cryobiology</i> , 2004, 49, 241-249.	0.7	29
88	Transferring gfp gene with ion implantation and transient expression of gfp in liliaceous pollen cells*. <i>Progress in Natural Science: Materials International</i> , 2004, 14, 1027-1030.	4.4	1
89	Introduction of rice chitinase gene into wheat via low energy Ar ⁺ beam implantation. <i>Science Bulletin</i> , 2001, 46, 318-322.	1.7	17
90	Comparison on the genotoxic effects of nuclear vs cytoplasmic irradiation from the alteration of CD59 gene locus. <i>Science in China Series C: Life Sciences</i> , 2001, 44, 130-135.	1.3	0