Guang Jia

List of Publications by Year
in descending order

93 papers	6,888 citations	147801 31 h-index	58581 82 g-index
97 all docs	97 docs citations	97 times ranked	9390 citing authors

#	Article	IF	Citations
1	Cytotoxicity of Carbon Nanomaterials:Â Single-Wall Nanotube, Multi-Wall Nanotube, and Fullerene. Environmental Science & Technology, 2005, 39, 1378-1383.	10.0	1,307
2	Acute toxicity and biodistribution of different sized titanium dioxide particles in mice after oral administration. Toxicology Letters, 2007, 168, 176-185.	0.8	973
3	Acute toxicological effects of copper nanoparticles in vivo. Toxicology Letters, 2006, 163, 109-120.	0.8	825
4	Long-term accumulation and low toxicity of single-walled carbon nanotubes in intravenously exposed mice. Toxicology Letters, 2008, 181, 182-189.	0.8	409
5	Multihydroxylated [Gd@C82(OH)22]nNanoparticles:Â Antineoplastic Activity of High Efficiency and Low Toxicity. Nano Letters, 2005, 5, 2050-2057.	9.1	281
6	Acute toxicity of nano- and micro-scale zinc powder in healthy adult mice. Toxicology Letters, 2006, 161, 115-123.	0.8	276
7	Susceptibility of Young and Adult Rats to the Oral Toxicity of Titanium Dioxide Nanoparticles. Small, 2013, 9, 1742-1752.	10.0	183
8	Chronic exposure to air pollution particles increases the risk of obesity and metabolic syndrome: findings from a natural experiment in Beijing. FASEB Journal, 2016, 30, 2115-2122.	0.5	181
9	Genotoxic evaluation of titanium dioxide nanoparticles in vivo and in vitro. Toxicology Letters, 2014, 226, 314-319.	0.8	118
10	Increased Oxidative DNA Damage, as Assessed by Urinary 8-Hydroxy-2â€²-Deoxyguanosine Concentrations, and Serum Redox Status in Persons Exposed to Mercury. Clinical Chemistry, 2005, 51, 759-767.	3.2	113
11	Epithelialâ€“mesenchymal transition involved in pulmonary fibrosis induced by multi-walled carbon nanotubes via TGF-beta/Smad signaling pathway. Toxicology Letters, 2014, 226, 150-162.	0.8	100
12	Effects of oral exposure to titanium dioxide nanoparticles on gut microbiota and gut-associated metabolism in vivo. Nanoscale, 2019, 11, 22398-22412.	5.6	93
13	Tumorâ€inhibitory Effect and Immunomodulatory Activity of Fullerol C₆₀(OH)_x. Small, 2008, 4, 1168-1175.	10.0	92
14	Multi-walled carbon nanotubes induce apoptosis via mitochondrial pathway and scavenger receptor. Toxicology in Vitro, 2012, 26, 799-806.	2.4	92
15	Effect of titanium dioxide nanoparticles on the cardiovascular system after oral administration. Toxicology Letters, 2015, 239, 123-130.	0.8	91
16	Oxidative DNA damage and global DNA hypomethylation are related to folate deficiency in chromate manufacturing workers. Journal of Hazardous Materials, 2012, 213-214, 440-446.	12.4	88
17	The association between high ambient air pollution exposure and respiratory health of young children: A cross sectional study in Jinan, China. Science of the Total Environment, 2019, 656, 740-749.	8.0	86
18	Cardiopulmonary effects induced by occupational exposure to titanium dioxide nanoparticles. Nanotoxicology, 2018, 12, 169-184.	3.0	78

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19	Hepatotoxicity and the role of the gut-liver axis in rats after oral administration of titanium dioxide nanoparticles. Particle and Fibre Toxicology, 2019, 16, 48.	6.2	77
20	Using ion-pair reversed-phase HPLC ICP-MS to simultaneously determine Cr(III) and Cr(VI) in urine of chromate workers. Talanta, 2010, 81, 1856-1860.	5.5	72
21	Beijing ambient particle exposure accelerates atherosclerosis in ApoE knockout mice. Toxicology Letters, 2013, 223, 146-153.	0.8	72
22	Cr(VI)-induced methylation and down-regulation of DNA repair genes and its association with markers of genetic damage in workers and 16HBE cells. Environmental Pollution, 2018, 238, 833-843.	7.5	62
23	Review of health safety aspects of titanium dioxide nanoparticles in food application. NanoImpact, 2020, 18, 100224.	4.5	60
24	miR-3940-5p associated with genetic damage in workers exposed to hexavalent chromium. Toxicology Letters, 2014, 229, 319-326.	0.8	48
25	Interaction of titanium dioxide nanoparticles with glucose on young rats after oral administration. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1633-1642.	3.3	46
26	Effect of oral exposure to titanium dioxide nanoparticles on lipid metabolism in Sprague-Dawley rats. Nanoscale, 2020, 12, 5973-5986.	5.6	45
27	Cardiovascular Effects of Pulmonary Exposure to Titanium Dioxide Nanoparticles in ApoE Knockout Mice. Journal of Nanoscience and Nanotechnology, 2013, 13, 3214-3222.	0.9	42
28	Gender difference in hepatic toxicity of titanium dioxide nanoparticles after subchronic oral exposure in Sprague€Dawley rats. Journal of Applied Toxicology, 2019, 39, 807-819.	2.8	40
29	Renal impairment caused by chronic occupational chromate exposure. International Archives of Occupational and Environmental Health, 2011, 84, 393-401.	2.3	37
30	Biocompatibility of graphene oxide intravenously administrated in mice€”effects of dose, size and exposure protocols. Toxicology Research, 2015, 4, 83-91.	2.1	37
31	Effect of titanium dioxide nanoparticles on glucose homeostasis after oral administration. Journal of Applied Toxicology, 2018, 38, 810-823.	2.8	33
32	Association between coronavirus disease 2019 (COVID-19) and long-term exposure to air pollution: Evidence from the first epidemic wave in China. Environmental Pollution, 2021, 276, 116682.	7.5	33
33	Methylation levels of P16 and TP53 that are involved in DNA strand breakage of 16HBE cells treated by hexavalent chromium. Toxicology Letters, 2016, 249, 15-21.	0.8	30
34	Effects of chronic chromium(vi) exposure on blood element homeostasis: An epidemiological study. Metallomics, 2012, 4, 463.	2.4	29
35	Comparison of lung damage in mice exposed to black carbon particles and ozone-oxidized black carbon particles. Science of the Total Environment, 2016, 573, 303-312.	8.0	29
36	Ozonized carbon black induces mitochondrial dysfunction and DNA damage. Environmental Toxicology, 2017, 32, 944-955.	4.0	27

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37	Assessing the suitability of 8-OHdG and micronuclei as genotoxic biomarkers in chromate-exposed workers: a cross-sectional study. BMJ Open, 2014, 4, e005979.	1.9	26
38	Association of blood chromium and rare earth elements with the risk of DNA damage in chromate exposed population. Environmental Toxicology and Pharmacology, 2019, 72, 103237.	4.0	26
39	Alteration of Th1/Th2/Th17 cytokine profile and humoral immune responses associated with chromate exposure. Occupational and Environmental Medicine, 2013, 70, 697-702.	2.8	25
40	Black carbon particles and ozone-oxidized black carbon particles induced lung damage in mice through an interleukin-33 dependent pathway. Science of the Total Environment, 2018, 644, 217-228.	8.0	25
41	Cr^{VI}exposure and biomarkers: Cr in erythrocytes in relation to exposure and polymorphisms of genes encoding anion transport proteins. Biomarkers, 2008, 13, 467-477.	1.9	24
42	miR-3940-5p enhances homologous recombination after DSB in Cr(VI) exposed 16HBE cell. Toxicology, 2016, 344-346, 1-6.	4.2	24
43	Effects of repeated Cr(VI) intratracheal instillation on club (Clara) cells and activation of nuclear factor-kappa B pathway via oxidative stress. Toxicology Letters, 2014, 231, 72-81.	0.8	23
44	Comparison of lung damage in mice exposed to black carbon particles and 1,4-naphthoquinone coated black carbon particles. Science of the Total Environment, 2017, 580, 572-581.	8.0	22
45	Safety assessment of nanoparticles in food: Current status and prospective. Nano Today, 2021, 39, 101169.	11.9	21
46	Establishment of a reference value for chromium in the blood for biological monitoring among occupational chromium workers. Toxicology and Industrial Health, 2016, 32, 1737-1744.	1.4	20
47	MAP4K4 deficiency in CD4 + T cells aggravates lung damage induced by ozone-oxidized black carbon particles. Environmental Toxicology and Pharmacology, 2016, 46, 246-254.	4.0	19
48	Tissue-specific oxidative stress and element distribution after oral exposure to titanium dioxide nanoparticles in rats. Nanoscale, 2020, 12, 20033-20046.	5.6	19
49	LncRNA expression profiling and its relationship with DNA damage in Cr(VI)-treated 16HBE cells. Science of the Total Environment, 2019, 655, 622-632.	8.0	18
50	Biomarkers for Lung Epithelium Injury in Occupational Hexavalent Chromium-Exposed Workers. Journal of Occupational and Environmental Medicine, 2015, 57, e45-e50.	1.7	17
51	Advances in genotoxicity of titanium dioxide nanoparticles in vivo and in vitro. NanoImpact, 2022, 25, 100377.	4.5	17
52	Gene expression profiling and bioinformatics analysis in 16HBE cells treated by chromium (VI). Toxicology Letters, 2016, 264, 71-78.	0.8	16
53	Association between ambient air pollution and blood sex hormones levels in men. Environmental Research, 2022, 211, 113117.	7.5	16
54	Biodistribution and toxicity assessment of europium-doped Gd2O3 nanotubes in mice after intraperitoneal injection. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	15

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55	Serum protein expression profiling and bioinformatics analysis in workers occupationally exposed to chromium (VI). Toxicology Letters, 2017, 277, 76-83.	0.8	15
56	Water-Soluble Taurine-Functionalized Multi-Walled Carbon Nanotubes Induce Less Damage to Mitochondria of RAW 264.7 Cells. Journal of Nanoscience and Nanotechnology, 2012, 12, 8008-8016.	0.9	14
57	Relationship between ambient PM2.5 exposure and blood cadmium level in children under 14 years in Beijing, China. Journal of Hazardous Materials, 2021, 403, 123871.	12.4	14
58	The 20 Most Important and Most Preventable Health Problems of China: A Delphi Consultation of Chinese Experts. American Journal of Public Health, 2018, 108, 1592-1598.	2.7	13
59	DNA damage, serum metabolomic alteration and carcinogenic risk associated with low-level air pollution. Environmental Pollution, 2022, 297, 118763.	7.5	13
60	Effects of 1,4-naphthoquinone aged carbon black particles on the cell membrane of human bronchial epithelium. Environmental Toxicology and Pharmacology, 2017, 54, 21-27.	4.0	12
61	Titanium dioxide nanoparticles induced reactive oxygen species (ROS) related changes of metabolomics signatures in human normal bronchial epithelial (BEAS-2B) cells. Toxicology and Applied Pharmacology, 2022, 444, 116020.	2.8	12
62	Vitamin B12 and folate deficiency and elevated plasma total homocysteine in workers with chronic exposure to chromate. Occupational and Environmental Medicine, 2011, 68, 870-875.	2.8	11
63	A Panel Study for Cardiopulmonary Effects Produced by Occupational Exposure to Inhalable Titanium Dioxide. Journal of Occupational and Environmental Medicine, 2012, 54, 1389-1394.	1.7	10
64	Multi-element distribution profile in Sprague-Dawley rats: Effects of intratracheal instillation of Cr(VI) and Zn intervention. Toxicology Letters, 2014, 226, 198-205.	0.8	10
65	Concentration of chromium in whole blood and erythrocytes showed different relationships with serum apolipoprotein levels in Cr(VI) exposed subjects. Journal of Trace Elements in Medicine and Biology, 2018, 50, 384-392.	3.0	10
66	Association of low-level blood lead with serum uric acid in U.S. adolescents: a cross-sectional study. Environmental Health, 2019, 18, 86.	4.0	10
67	Combined effect of titanium dioxide nanoparticles and glucose on the cardiovascular system in young rats after oral administration. Journal of Applied Toxicology, 2019, 39, 590-602.	2.8	10
68	Lung function assessment and its association with blood chromium in a chromate exposed population. Science of the Total Environment, 2022, 818, 151741.	8.0	10
69	Blood chromium exposure, immune inflammation and genetic damage: Exploring associations and mediation effects in chromate exposed population. Journal of Hazardous Materials, 2022, 425, 127769.	12.4	10
70	Metabolomics screening of serum biomarkers for occupational exposure of titanium dioxide nanoparticles. Nanotoxicology, 2021, 15, 832-849.	3.0	9
71	Protective role of metallothionein (I/II) against pathological damage and apoptosis induced by dimethylarsinic acid. World Journal of Gastroenterology, 2003, 10, 91.	3.3	9
72	Exposure assessment of workplace manufacturing titanium dioxide particles. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	8

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73	Combined effect of titanium dioxide nanoparticles and glucose on the blood glucose homeostasis in young rats after oral administration. Journal of Applied Toxicology, 2020, 40, 1284-1296.	2.8	8
74	Exploring urine biomarkers of early health effects for occupational exposure to titanium dioxide nanoparticles using metabolomics. Nanoscale, 2021, 13, 4122-4132.	5.6	8
75	Analysis of serum metabolome of workers occupationally exposed to hexavalent chromium: A preliminary study. Toxicology Letters, 2021, 349, 92-100.	0.8	8
76	DNA damage triggers imbalance of proliferation and apoptosis during development of preneoplastic foci in the liver of Long-Evans Cinnamon rats. International Journal of Oncology, 2002, 21, 755.	3.3	7
77	Perspectives of Genetic Damage and Epigenetic Alterations by Hexavalent Chromium: Time Evolution Based on a Bibliometric Analysis. Chemical Research in Toxicology, 2021, 34, 684-694.	3.3	7
78	DNA damage triggers imbalance of proliferation and apoptosis during development of preneoplastic foci in the liver of Long-Evans Cinnamon rats. International Journal of Oncology, 2002, 21, 755-61.	3.3	7
79	Association of folate deficiency and selected tumor marker concentrations in long-term hexavalent chromium exposed population. International Journal of Hygiene and Environmental Health, 2014, 217, 88-94.	4.3	6
80	Alterations to cardiac morphology and function among high-altitude workers: a retrospective cohort study. Occupational and Environmental Medicine, 2020, 77, 447-453.	2.8	6
81	Aldo-keto reductase 1 family B7 is the gene induced in response to oxidative stress in the livers of Long-Evans Cinnamon rats. International Journal of Oncology, 2006, 29, 829-38.	3.3	6
82	Effects of Chronic Chromate Exposure on Human Serum Prostate Specific Antigen: A Cross Sectional Study. Industrial Health, 2012, 50, 95-102.	1.0	5
83	Global DNA hypomethylation has no impact on lung function or serum inflammatory and fibrosis cytokines in asbestos-exposed population. International Archives of Occupational and Environmental Health, 2017, 90, 265-274.	2.3	5
84	Serum metabolomic signatures of Sprague-Dawley rats after oral administration of titanium dioxide nanoparticles. NanoImpact, 2020, 19, 100236.	4.5	5
85	Circulating lead modifies hexavalent chromium-induced genetic damage in a chromate-exposed population: An epidemiological study. Science of the Total Environment, 2021, 752, 141824.	8.0	5
86	Exposure to the real ambient air pollutants alters the composition of nasal mucosa bacteria in the rat model. Chemosphere, 2022, 287, 132269.	8.2	5
87	Iodine in household cooking salt no longer plays a crucial role in iodine status of residents in Tianjin, China. European Journal of Nutrition, 2022, 61, 2435-2449.	3.9	5
88	Screening of Serum Biomarkers of Coal Workersâ€™ Pneumoconiosis by Metabolomics Combined with Machine Learning Strategy. International Journal of Environmental Research and Public Health, 2022, 19, 7051.	2.6	5
89	The Effect of Global DNA Methylation on PDCD5 Expression in the PBMC of Occupational Chromate Exposed Workers. Journal of Occupational and Environmental Medicine, 2021, 63, 600-608.	1.7	4
90	Metallothionein (I/II) suppresses genotoxicity caused by dimethylarsinic acid. International Journal of Oncology, 2004, 25, 325-33.	3.3	3

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91	Effect of Short-Term Exposure to Titanium Dioxide Nanoparticles on Intestinal Absorption of Glucose by Ex Vivo Everted Rat Gut Sac Model. Journal of Nanoscience and Nanotechnology, 2021, 21, 4586-4595.	0.9	2
92	Modulation of homologous recombination repair gene polymorphisms on genetic damage in chromate exposed workers. Environmental Toxicology and Pharmacology, 2019, 66, 126-132.	4.0	1
93	A Novel Transcriptome Integrated Network Approach Identifies the Key Driver lncRNA Involved in Cell Cycle With Chromium (VI)-Treated BEAS-2B Cells. Frontiers in Genetics, 2020, 11, 597803.	2.3	0