

# Guang Jia

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92 papers	5,559 citations	27 h-index	74 g-index
97 ext. papers	6,202 ext. citations	5.3 avg, IF	5.13 L-index

#	Paper	IF	Citations
92	Advances in genotoxicity of titanium dioxide nanoparticles in vivo and in vitro.. <i>NanoImpact</i> , <b>2022</b> , 25, 100377	5.6	3
91	Iodine in household cooking salt no longer plays a crucial role in iodine status of residents in Tianjin, China.. <i>European Journal of Nutrition</i> , <b>2022</b> , 1	5.2	0
90	DNA damage, serum metabolomic alteration and carcinogenic risk associated with low-level air pollution.. <i>Environmental Pollution</i> , <b>2022</b> , 297, 118763	9.3	2
89	Exposure to the real ambient air pollutants alters the composition of nasal mucosa bacteria in the rat model. <i>Chemosphere</i> , <b>2022</b> , 287, 132269	8.4	1
88	Association between ambient air pollution and blood sex hormones levels in men.. <i>Environmental Research</i> , <b>2022</b> , 211, 113117	7.9	1
87	Titanium dioxide nanoparticles induced reactive oxygen species (ROS) related changes of metabolomics signatures in human normal bronchial epithelial (BEAS-2B) cells.. <i>Toxicology and Applied Pharmacology</i> , <b>2022</b> , 116020	4.6	0
86	Lung function assessment and its association with blood chromium in a chromate exposed population. <i>Science of the Total Environment</i> , <b>2021</b> , 151741	10.2	1
85	Blood chromium exposure, immune inflammation and genetic damage: Exploring associations and mediation effects in chromate exposed population. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 127769	12.8	2
84	The Effect of Global DNA Methylation on PDCD5 Expression in the PBMC of Occupational Chromate Exposed Workers. <i>Journal of Occupational and Environmental Medicine</i> , <b>2021</b> , 63, 600-608	2	0
83	Perspectives of Genetic Damage and Epigenetic Alterations by Hexavalent Chromium: Time Evolution Based on a Bibliometric Analysis. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 684-694	4	0
82	Association between coronavirus disease 2019 (COVID-19) and long-term exposure to air pollution: Evidence from the first epidemic wave in China. <i>Environmental Pollution</i> , <b>2021</b> , 276, 116682	9.3	17
81	Metabolomics screening of serum biomarkers for occupational exposure of titanium dioxide nanoparticles. <i>Nanotoxicology</i> , <b>2021</b> , 15, 832-849	5.3	3
80	Relationship between ambient PM exposure and blood cadmium level in children under 14 years in Beijing, China. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123871	12.8	3
79	Circulating lead modifies hexavalent chromium-induced genetic damage in a chromate-exposed population: An epidemiological study. <i>Science of the Total Environment</i> , <b>2021</b> , 752, 141824	10.2	1
78	Exploring urine biomarkers of early health effects for occupational exposure to titanium dioxide nanoparticles using metabolomics. <i>Nanoscale</i> , <b>2021</b> , 13, 4122-4132	7.7	3
77	Safety assessment of nanoparticles in food: Current status and prospective. <i>Nano Today</i> , <b>2021</b> , 39, 101169	9.9	6
76	Effect of Short-Term Exposure to Titanium Dioxide Nanoparticles on Intestinal Absorption of Glucose by Everted Rat Gut Sac Model. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 4586-4595 <sup>1.3</sup>	1.3	0

75	Analysis of serum metabolome of workers occupationally exposed to hexavalent chromium: A preliminary study. <i>Toxicology Letters</i> , <b>2021</b> , 349, 92-100	4.4	2
74	Combined effect of titanium dioxide nanoparticles and glucose on the blood glucose homeostasis in young rats after oral administration. <i>Journal of Applied Toxicology</i> , <b>2020</b> , 40, 1284-1296	4.1	1
73	Serum metabolomic signatures of Sprague-Dawley rats after oral administration of titanium dioxide nanoparticles. <i>NanoImpact</i> , <b>2020</b> , 19, 100236	5.6	1
72	Effect of oral exposure to titanium dioxide nanoparticles on lipid metabolism in Sprague-Dawley rats. <i>Nanoscale</i> , <b>2020</b> , 12, 5973-5986	7.7	20
71	Review of health safety aspects of titanium dioxide nanoparticles in food application. <i>NanoImpact</i> , <b>2020</b> , 18, 100224	5.6	28
70	Alterations to cardiac morphology and function among high-altitude workers: a retrospective cohort study. <i>Occupational and Environmental Medicine</i> , <b>2020</b> , 77, 447-453	2.1	3
69	Tissue-specific oxidative stress and element distribution after oral exposure to titanium dioxide nanoparticles in rats. <i>Nanoscale</i> , <b>2020</b> , 12, 20033-20046	7.7	7
68	A Novel Transcriptome Integrated Network Approach Identifies the Key Driver lncRNA Involved in Cell Cycle With Chromium (VI)-Treated BEAS-2B Cells. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 597803	4.5	
67	Modulation of homologous recombination repair gene polymorphisms on genetic damage in chromate exposed workers. <i>Environmental Toxicology and Pharmacology</i> , <b>2019</b> , 66, 126-132	5.8	1
66	Association of blood chromium and rare earth elements with the risk of DNA damage in chromate exposed population. <i>Environmental Toxicology and Pharmacology</i> , <b>2019</b> , 72, 103237	5.8	12
65	Association of low-level blood lead with serum uric acid in U.S. adolescents: a cross-sectional study. <i>Environmental Health</i> , <b>2019</b> , 18, 86	6	3
64	Effects of oral exposure to titanium dioxide nanoparticles on gut microbiota and gut-associated metabolism in vivo. <i>Nanoscale</i> , <b>2019</b> , 11, 22398-22412	7.7	55
63	Hepatotoxicity and the role of the gut-liver axis in rats after oral administration of titanium dioxide nanoparticles. <i>Particle and Fibre Toxicology</i> , <b>2019</b> , 16, 48	8.4	40
62	lncRNA expression profiling and its relationship with DNA damage in Cr(VI)-treated 16HBE cells. <i>Science of the Total Environment</i> , <b>2019</b> , 655, 622-632	10.2	12
61	Combined effect of titanium dioxide nanoparticles and glucose on the cardiovascular system in young rats after oral administration. <i>Journal of Applied Toxicology</i> , <b>2019</b> , 39, 590-602	4.1	5
60	Gender difference in hepatic toxicity of titanium dioxide nanoparticles after subchronic oral exposure in Sprague-Dawley rats. <i>Journal of Applied Toxicology</i> , <b>2019</b> , 39, 807-819	4.1	18
59	The association between high ambient air pollution exposure and respiratory health of young children: A cross sectional study in Jinan, China. <i>Science of the Total Environment</i> , <b>2019</b> , 656, 740-749	10.2	59
58	Cr(VI)-induced methylation and down-regulation of DNA repair genes and its association with markers of genetic damage in workers and 16HBE cells. <i>Environmental Pollution</i> , <b>2018</b> , 238, 833-843	9.3	42

57	Effect of titanium dioxide nanoparticles on glucose homeostasis after oral administration. <i>Journal of Applied Toxicology</i> , <b>2018</b> , 38, 810-823	4.1	21
56	Cardiopulmonary effects induced by occupational exposure to titanium dioxide nanoparticles. <i>Nanotoxicology</i> , <b>2018</b> , 12, 169-184	5.3	54
55	Black carbon particles and ozone-oxidized black carbon particles induced lung damage in mice through an interleukin-33 dependent pathway. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 217-228	10.2	20
54	Concentration of chromium in whole blood and erythrocytes showed different relationships with serum apolipoprotein levels in Cr(VI) exposed subjects. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2018</b> , 50, 384-392	4.1	7
53	The 20 Most Important and Most Preventable Health Problems of China: A Delphi Consultation of Chinese Experts. <i>American Journal of Public Health</i> , <b>2018</b> , 108, 1592-1598	5.1	7
52	Ozonized carbon black induces mitochondrial dysfunction and DNA damage. <i>Environmental Toxicology</i> , <b>2017</b> , 32, 944-955	4.2	22
51	Global DNA hypomethylation has no impact on lung function or serum inflammatory and fibrosis cytokines in asbestos-exposed population. <i>International Archives of Occupational and Environmental Health</i> , <b>2017</b> , 90, 265-274	3.2	4
50	Serum protein expression profiling and bioinformatics analysis in workers occupationally exposed to chromium (VI). <i>Toxicology Letters</i> , <b>2017</b> , 277, 76-83	4.4	12
49	Comparison of lung damage in mice exposed to black carbon particles and 1,4-naphthoquinone coated black carbon particles. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 572-581	10.2	13
48	Effects of 1,4-naphthoquinone aged carbon black particles on the cell membrane of human bronchial epithelium. <i>Environmental Toxicology and Pharmacology</i> , <b>2017</b> , 54, 21-27	5.8	11
47	MAP4K4 deficiency in CD4(+) T cells aggravates lung damage induced by ozone-oxidized black carbon particles. <i>Environmental Toxicology and Pharmacology</i> , <b>2016</b> , 46, 246-254	5.8	17
46	Gene expression profiling and bioinformatics analysis in 16HBE cells treated by chromium (VI). <i>Toxicology Letters</i> , <b>2016</b> , 264, 71-78	4.4	12
45	Establishment of a reference value for chromium in the blood for biological monitoring among occupational chromium workers. <i>Toxicology and Industrial Health</i> , <b>2016</b> , 32, 1737-44	1.8	14
44	Methylation levels of P16 and TP53 that are involved in DNA strand breakage of 16HBE cells treated by hexavalent chromium. <i>Toxicology Letters</i> , <b>2016</b> , 249, 15-21	4.4	24
43	miR-3940-5p enhances homologous recombination after DSB in Cr(VI) exposed 16HBE cell. <i>Toxicology</i> , <b>2016</b> , 344-346, 1-6	4.4	18
42	Chronic exposure to air pollution particles increases the risk of obesity and metabolic syndrome: findings from a natural experiment in Beijing. <i>FASEB Journal</i> , <b>2016</b> , 30, 2115-22	0.9	137
41	Exposure assessment of workplace manufacturing titanium dioxide particles. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	7
40	Comparison of lung damage in mice exposed to black carbon particles and ozone-oxidized black carbon particles. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 303-312	10.2	21

39	Interaction of titanium dioxide nanoparticles with glucose on young rats after oral administration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2015</b> , 11, 1633-42	6	33
38	Effect of titanium dioxide nanoparticles on the cardiovascular system after oral administration. <i>Toxicology Letters</i> , <b>2015</b> , 239, 123-30	4.4	62
37	Biocompatibility of graphene oxide intravenously administrated in mice—Effects of dose, size and exposure protocols. <i>Toxicology Research</i> , <b>2015</b> , 4, 83-91	2.6	33
36	Biomarkers for lung epithelium injury in occupational hexavalent chromium-exposed workers. <i>Journal of Occupational and Environmental Medicine</i> , <b>2015</b> , 57, e45-50	2	9
35	Biodistribution and toxicity assessment of europium-doped Gd2O3 nanotubes in mice after intraperitoneal injection. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	14
34	Genotoxic evaluation of titanium dioxide nanoparticles in vivo and in vitro. <i>Toxicology Letters</i> , <b>2014</b> , 226, 314-9	4.4	90
33	Multi-element distribution profile in Sprague-Dawley rats: effects of intratracheal instillation of Cr(VI) and Zn intervention. <i>Toxicology Letters</i> , <b>2014</b> , 226, 198-205	4.4	5
32	Epithelial-mesenchymal transition involved in pulmonary fibrosis induced by multi-walled carbon nanotubes via TGF-beta/Smad signaling pathway. <i>Toxicology Letters</i> , <b>2014</b> , 226, 150-62	4.4	91
31	Effects of repeated Cr(VI) intratracheal instillation on club (Clara) cells and activation of nuclear factor-kappa B pathway via oxidative stress. <i>Toxicology Letters</i> , <b>2014</b> , 231, 72-81	4.4	15
30	Association of folate deficiency and selected tumor marker concentrations in long-term hexavalent chromium exposed population. <i>International Journal of Hygiene and Environmental Health</i> , <b>2014</b> , 217, 88-94	6.9	4
29	Assessing the suitability of 8-OHdG and micronuclei as genotoxic biomarkers in chromate-exposed workers: a cross-sectional study. <i>BMJ Open</i> , <b>2014</b> , 4, e005979	3	20
28	miR-3940-5p associated with genetic damage in workers exposed to hexavalent chromium. <i>Toxicology Letters</i> , <b>2014</b> , 229, 319-26	4.4	36
27	Alteration of Th1/Th2/Th17 cytokine profile and humoral immune responses associated with chromate exposure. <i>Occupational and Environmental Medicine</i> , <b>2013</b> , 70, 697-702	2.1	21
26	Beijing ambient particle exposure accelerates atherosclerosis in ApoE knockout mice. <i>Toxicology Letters</i> , <b>2013</b> , 223, 146-53	4.4	56
25	Susceptibility of young and adult rats to the oral toxicity of titanium dioxide nanoparticles. <i>Small</i> , <b>2013</b> , 9, 1742-52	11	142
24	Cardiovascular effects of pulmonary exposure to titanium dioxide nanoparticles in ApoE knockout mice. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 3214-22	1.3	37
23	Oxidative DNA damage and global DNA hypomethylation are related to folate deficiency in chromate manufacturing workers. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 213-214, 440-6	12.8	78
22	Multi-walled carbon nanotubes induce apoptosis via mitochondrial pathway and scavenger receptor. <i>Toxicology in Vitro</i> , <b>2012</b> , 26, 799-806	3.6	81

21	Effects of chronic chromium(vi) exposure on blood element homeostasis: an epidemiological study. <i>Metallomics</i> , <b>2012</b> , 4, 463-72	4.5	21
20	Effects of chronic chromate exposure on human serum prostate specific antigen: a cross sectional study. <i>Industrial Health</i> , <b>2012</b> , 50, 95-102	2.5	4
19	Water-soluble taurine-functionalized multi-walled carbon nanotubes induce less damage to mitochondria of RAW 264.7 cells. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 8008-16	1.3	12
18	A panel study for cardiopulmonary effects produced by occupational exposure to inhalable titanium dioxide. <i>Journal of Occupational and Environmental Medicine</i> , <b>2012</b> , 54, 1389-94	2	8
17	Renal impairment caused by chronic occupational chromate exposure. <i>International Archives of Occupational and Environmental Health</i> , <b>2011</b> , 84, 393-401	3.2	24
16	Vitamin B12 and folate deficiency and elevated plasma total homocysteine in workers with chronic exposure to chromate. <i>Occupational and Environmental Medicine</i> , <b>2011</b> , 68, 870-5	2.1	7
15	Using ion-pair reversed-phase HPLC ICP-MS to simultaneously determine Cr(III) and Cr(VI) in urine of chromate workers. <i>Talanta</i> , <b>2010</b> , 81, 1856-60	6.2	65
14	Long-term accumulation and low toxicity of single-walled carbon nanotubes in intravenously exposed mice. <i>Toxicology Letters</i> , <b>2008</b> , 181, 182-9	4.4	361
13	CrVI exposure and biomarkers: Cr in erythrocytes in relation to exposure and polymorphisms of genes encoding anion transport proteins. <i>Biomarkers</i> , <b>2008</b> , 13, 467-77	2.6	19
12	Tumor-inhibitory effect and immunomodulatory activity of fullerol C60(OH) <sub>x</sub> . <i>Small</i> , <b>2008</b> , 4, 1168-75	11	81
11	Acute toxicity and biodistribution of different sized titanium dioxide particles in mice after oral administration. <i>Toxicology Letters</i> , <b>2007</b> , 168, 176-85	4.4	861
10	Acute toxicity of nano- and micro-scale zinc powder in healthy adult mice. <i>Toxicology Letters</i> , <b>2006</b> , 161, 115-23	4.4	232
9	Acute toxicological effects of copper nanoparticles in vivo. <i>Toxicology Letters</i> , <b>2006</b> , 163, 109-20	4.4	691
8	Aldo-keto reductase 1 family B7 is the gene induced in response to oxidative stress in the livers of Long-Evans Cinnamon rats. <i>International Journal of Oncology</i> , <b>2006</b> , 29, 829-38	1	6
7	Multihydroxylated [Gd@C82(OH) <sub>22</sub> ]n nanoparticles: antineoplastic activity of high efficiency and low toxicity. <i>Nano Letters</i> , <b>2005</b> , 5, 2050-7	11.5	256
6	Cytotoxicity of carbon nanomaterials: single-wall nanotube, multi-wall nanotube, and fullerene. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 1378-83	10.3	1191
5	Increased oxidative DNA damage, as assessed by urinary 8-hydroxy-2-deoxyguanosine concentrations, and serum redox status in persons exposed to mercury. <i>Clinical Chemistry</i> , <b>2005</b> , 51, 759-67	5.5	98
4	Protective role of metallothionein (I/II) against pathological damage and apoptosis induced by dimethylarsinic acid. <i>World Journal of Gastroenterology</i> , <b>2004</b> , 10, 91-5	5.6	7

3	Metallothionein (I/II) suppresses genotoxicity caused by dimethylarsinic acid. <i>International Journal of Oncology</i> , <b>2004</b> , 25, 325-33	1	3
2	DNA damage triggers imbalance of proliferation and apoptosis during development of preneoplastic foci in the liver of Long-Evans Cinnamon rats <b>2002</b> , 21, 755		3
1	DNA damage triggers imbalance of proliferation and apoptosis during development of preneoplastic foci in the liver of Long-Evans Cinnamon rats. <i>International Journal of Oncology</i> , <b>2002</b> , 21, 755-61	1	7