

# Jicheng Gong

## List of Publications by Year in descending order

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71  
papers

2,924  
citations

201385

27  
h-index

168136

53  
g-index

71  
all docs

71  
docs citations

71  
times ranked

4137  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association Between Changes in Air Pollution Levels During the Beijing Olympics and Biomarkers of Inflammation and Thrombosis in Healthy Young Adults. <i>JAMA - Journal of the American Medical Association</i> , 2012, 307, 2068-78.	3.8	330
2	Organochlorine Pesticides in the Air around the Taihu Lake, China. <i>Environmental Science &amp; Technology</i> , 2004, 38, 1368-1374.	4.6	317
3	Respiratory and cardiovascular responses to walking down a traffic-polluted road compared with walking in a traffic-free area in participants aged 60 years and older with chronic lung or heart disease and age-matched healthy controls: a randomised, crossover study. <i>Lancet, The</i> , 2018, 391, 339-349.	6.3	294
4	Inflammatory and Oxidative Stress Responses of Healthy Young Adults to Changes in Air Quality during the Beijing Olympics. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 1150-1159.	2.5	200
5	Association of Ozone Exposure With Cardiorespiratory Pathophysiologic Mechanisms in Healthy Adults. <i>JAMA Internal Medicine</i> , 2017, 177, 1344.	2.6	183
6	Comparisons of Ultrafine and Fine Particles in Their Associations with Biomarkers Reflecting Physiological Pathways. <i>Environmental Science &amp; Technology</i> , 2014, 48, 5264-5273.	4.6	105
7	Cardiopulmonary effects of overnight indoor air filtration in healthy non-smoking adults: A double-blind randomized crossover study. <i>Environment International</i> , 2018, 114, 27-36.	4.8	80
8	Roles of mitochondrial ROS and NLRP3 inflammasome in multiple ozone-induced lung inflammation and emphysema. <i>Respiratory Research</i> , 2018, 19, 230.	1.4	77
9	Malondialdehyde in exhaled breath condensate and urine as a biomarker of air pollution induced oxidative stress. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 322-327.	1.8	72
10	Relationship between free and total malondialdehyde, a well-established marker of oxidative stress, in various types of human biospecimens. <i>Journal of Thoracic Disease</i> , 2018, 10, 3088-3197.	0.6	65
11	Dietary intake polycyclic aromatic hydrocarbons (PAHs) and associated cancer risk in a cohort of Chinese urban adults: Inter- and intra-individual variability. <i>Chemosphere</i> , 2016, 144, 2469-2475.	4.2	63
12	Combined use of an electrostatic precipitator and a high-efficiency particulate air filter in building ventilation systems: Effects on cardiorespiratory health indicators in healthy adults. <i>Indoor Air</i> , 2018, 28, 360-372.	2.0	57
13	A controlled trial of acute effects of human exposure to traffic particles on pulmonary oxidative stress and heart rate variability. <i>Particle and Fibre Toxicology</i> , 2014, 11, 45.	2.8	55
14	Mitochondrial ROS and NLRP3 inflammasome in acute ozone-induced murine model of airway inflammation and bronchial hyperresponsiveness. <i>Free Radical Research</i> , 2019, 53, 780-790.	1.5	55
15	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. <i>JAMA Pediatrics</i> , 2020, 174, 533.	3.3	54
16	Cardiorespiratory biomarker responses in healthy young adults to drastic air quality changes surrounding the 2008 Beijing Olympics. <i>Research Report (health Effects Institute)</i> , 2013, , 5-174.	1.6	54
17	Association between exposure to air pollution and risk of allergic rhinitis: A systematic review and meta-analysis. <i>Environmental Research</i> , 2022, 205, 112472.	3.7	43
18	Pulmonary effects of inhalation of spark-generated silver nanoparticles in Brown-Norway and Sprague-Dawley rats. <i>Respiratory Research</i> , 2016, 17, 85.	1.4	42

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19	The Cardiopulmonary Effects of Ambient Air Pollution and Mechanistic Pathways: A Comparative Hierarchical Pathway Analysis. <i>PLoS ONE</i> , 2014, 9, e114913.	1.1	39
20	Hydrogen Sulfide Prevents and Partially Reverses Ozone-Induced Features of Lung Inflammation and Emphysema in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 72-81.	1.4	36
21	Inhibitory Effect of Hydrogen Sulfide on Ozone-Induced Airway Inflammation, Oxidative Stress, and Bronchial Hyperresponsiveness. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 129-137.	1.4	35
22	Metabolomic and Transcriptomic Analysis of MCF-7 Cells Exposed to 23 Chemicals at Human-Relevant Levels: Estimation of Individual Chemical Contribution to Effects. <i>Environmental Health Perspectives</i> , 2020, 128, 127008.	2.8	33
23	The exposures and health effects of benzene, toluene and naphthalene for Chinese chefs in multiple cooking styles of kitchens. <i>Environment International</i> , 2021, 156, 106721.	4.8	33
24	Acute Changes in Heart Rate Variability in Subjects With Diabetes Following a Highway Traffic Exposure. <i>Journal of Occupational and Environmental Medicine</i> , 2010, 52, 324-331.	0.9	32
25	Oxidative DNA damage during night shift work. <i>Occupational and Environmental Medicine</i> , 2017, 74, 680-683.	1.3	32
26	Organic Components of Personal PM <sub>2.5</sub> Exposure Associated with Inflammation: Evidence from an Untargeted Exposomic Approach. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10589-10596.	4.6	31
27	Aldehydes in relation to air pollution sources: A case study around the Beijing Olympics. <i>Atmospheric Environment</i> , 2015, 109, 61-69.	1.9	30
28	Inactivation, Clearance, and Functional Effects of Lung-Instilled Short and Long Silver Nanowires in Rats. <i>ACS Nano</i> , 2017, 11, 2652-2664.	7.3	30
29	Indoor black carbon of outdoor origin and oxidative stress biomarkers in patients with chronic obstructive pulmonary disease. <i>Environment International</i> , 2018, 115, 188-195.	4.8	27
30	Changes in bioactive lipid mediators in response to short-term exposure to ambient air particulate matter: A targeted lipidomic analysis of oxylipin signaling pathways. <i>Environment International</i> , 2021, 147, 106314.	4.8	24
31	Inflammatory and oxidative stress responses of healthy adults to changes in personal air pollutant exposure. <i>Environmental Pollution</i> , 2020, 263, 114503.	3.7	21
32	Exposome in human health: Utopia or wonderland?. <i>Innovation(China)</i> , 2021, 2, 100172.	5.2	20
33	Urinary polycyclic aromatic hydrocarbon metabolites as biomarkers of exposure to traffic-emitted pollutants. <i>Environment International</i> , 2015, 85, 104-110.	4.8	19
34	Association of air pollution sources and aldehydes with biomarkers of blood coagulation, pulmonary inflammation, and systemic oxidative stress. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017, 27, 244-250.	1.8	19
35	Long-term exposure to PM <sub>2.5</sub> and Children's lung function: a dose-based association analysis. <i>Journal of Thoracic Disease</i> , 2020, 12, 6379-6395.	0.6	19
36	Nitrated Polycyclic Aromatic Hydrocarbons and Arachidonic Acid Metabolisms Relevant to Cardiovascular Pathophysiology: Findings from a Panel Study in Healthy Adults. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3867-3875.	4.6	19

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37	The exceptional heatwaves of 2017 and all-cause mortality: An assessment of nationwide health and economic impacts in China. <i>Science of the Total Environment</i> , 2022, 812, 152371.	3.9	19
38	Effects of personal air pollutant exposure on oxidative stress: Potential confounding by natural variation in melatonin levels. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 223, 116-123.	2.1	17
39	Different metrics (number, surface area, and volume concentration) of urban particles with varying sizes in relation to fractional exhaled nitric oxide (FeNO). <i>Journal of Thoracic Disease</i> , 2019, 11, 1714-1726.	0.6	15
40	Association of solid fuel use with risk of stunting in children living in China. <i>Indoor Air</i> , 2020, 30, 264-274.	2.0	15
41	A rapid and high-throughput approach to quantify non-esterified oxylipins for epidemiological studies using online SPE-LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7989-8001.	1.9	14
42	Health effects of air pollution: what we need to know and to do in the next decade. <i>Journal of Thoracic Disease</i> , 2019, 11, 1727-1730.	0.6	13
43	New WHO global air quality guidelines help prevent premature deaths in China. <i>National Science Review</i> , 2022, 9, nwac055.	4.6	13
44	Oxidative DNA damage during sleep periods among nightshift workers. <i>Occupational and Environmental Medicine</i> , 2016, 73, 537-544.	1.3	12
45	Endogenous melatonin mediation of systemic inflammatory responses to ozone exposure in healthy adults. <i>Science of the Total Environment</i> , 2020, 749, 141301.	3.9	12
46	Proinflammatory lipid signals trigger the health effects of air pollution in individuals with prediabetes. <i>Environmental Pollution</i> , 2021, 290, 118008.	3.7	12
47	Effects of a nanoceria fuel additive on the physicochemical properties of diesel exhaust particles. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1333-1342.	1.7	11
48	Associations between time-weighted personal air pollution exposure and amino acid metabolism in healthy adults. <i>Environment International</i> , 2021, 156, 106623.	4.8	11
49	Ambient Air Pollution and Atherosclerosis: A Potential Mediating Role of Sphingolipids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 906-918.	1.1	11
50	Associations of maternal exposure to 41 metals/metalloids during early pregnancy with the risk of spontaneous preterm birth: Does oxidative stress or DNA methylation play a crucial role?. <i>Environment International</i> , 2022, 158, 106966.	4.8	10
51	Changes in children's asthma prevalence over two decades in Lanzhou: effects of socioeconomic, parental and household factors. <i>Journal of Thoracic Disease</i> , 2020, 12, 6365-6378.	0.6	9
52	A simple and rapid method for extraction and measurement of circulating sphingolipids using LC-MS/MS: a targeted lipidomic analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2041-2054.	1.9	9
53	Monitoring DNA adducts in human blood samples using magnetic Fe <sub>3</sub> O <sub>4</sub> @graphene oxide as a nano-adsorbent and mass spectrometry. <i>Talanta</i> , 2020, 209, 120523.	2.9	8
54	Ceramide metabolism mediates the impaired glucose homeostasis following short-term black carbon exposure: A targeted lipidomic analysis. <i>Science of the Total Environment</i> , 2022, 829, 154657.	3.9	8

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55	Facile in-situ polymerization of polyaniline-functionalized melamine sponge preparation for mass spectrometric monitoring of perfluorooctanoic acid and perfluorooctane sulfonate from biological samples. <i>Journal of Chromatography A</i> , 2020, 1616, 460777.	1.8	7
56	Single-cell transcriptomics uncovers phenotypic alterations in the monocytes in a Chinese population with chronic cadmium exposure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111881.	2.9	7
57	Respiratory health effects of residential individual and cumulative risk factors in children living in two cities of the Pearl River Delta Region, China. <i>Journal of Thoracic Disease</i> , 2020, 12, 6342-6355.	0.6	6
58	Association of nanoparticle exposure with serum metabolic disorders of healthy adults in printing centers. <i>Journal of Hazardous Materials</i> , 2022, 432, 128710.	6.5	6
59	Age modification of ozone associations with cardiovascular disease risk in adults: a potential role for soluble P-selectin and blood pressure. <i>Journal of Thoracic Disease</i> , 2018, 10, 4643-4652.	0.6	5
60	A novel method for source-specific hemoglobin adducts of nitro-polycyclic aromatic hydrocarbons. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 780-789.	1.7	4
61	The health effects of wearing facemasks on cardiopulmonary system of healthy young adults: A double-blinded, randomized crossover trial. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 236, 113806.	2.1	4
62	Characteristics of mass distributions of aerosol particle and its inorganic water-soluble ions in summer over a suburb farmland in Beijing. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007, 1, 159-165.	0.8	3
63	The associations of nitrated polycyclic aromatic hydrocarbon exposures with plasma glucose and amino acids. <i>Environmental Pollution</i> , 2021, 289, 117945.	3.7	3
64	Fine particulate matter and vasoactive 20-hydroxyeicosatetraenoic acid: Insights into the mechanisms of the prohypertensive effects of particulate air pollution. <i>Science of the Total Environment</i> , 2022, 806, 151298.	3.9	3
65	Prevalence of respiratory diseases in relation to smoking rate in adults living in four Chinese cities: a comparison between 2017-2018 and 1993-1996. <i>Journal of Thoracic Disease</i> , 2020, 12, 6315-6326.	0.6	3
66	Household environmental factors and children's respiratory health: comparison of two cross-sectional studies over 25 years in Wuhan, China. <i>Journal of Thoracic Disease</i> , 2021, 13, 4589-4600.	0.6	2
67	Children's lung function in relation to changes in socioeconomic, nutritional, and household factors over 20 years in Lanzhou. <i>Journal of Thoracic Disease</i> , 2021, 13, 4574-4588.	0.6	2
68	The effects of indoor and outdoor air pollution on the prevalence of adults' respiratory diseases in four Chinese cities: a comparison between 2017-2018 and 1993-1996. <i>Journal of Thoracic Disease</i> , 2021, 13, 4560-4573.	0.6	2
69	Serum branched-chain amino acids modifies the associations between air pollutants and insulin resistance. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112780.	2.9	2
70	Changes in children's lung function over two decades in relation to socioeconomic, parental and household factors in Wuhan, China. <i>Journal of Thoracic Disease</i> , 2021, 13, 4601-4613.	0.6	1
71	Validation Of Exhaled Breath Condensate Measures Of Oxidative And Nitrosative Stress As Markers Of Acute Traffic Pollution Effects. , 2011, , .		0