

Jicheng Gong

List of Publications by Year in descending order

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71
papers

2,924
citations

201674

27
h-index

168389

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. JAMA - Journal of the American Medical Association, 2012, 307, 2068-78.	7.4	330
2	Organochlorine Pesticides in the Air around the Taihu Lake, China. Environmental Science & Technology, 2004, 38, 1368-1374.	10.0	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. Lancet, The, 2018, 391, 339-349.	13.7	294
4	Inflammatory and Oxidative Stress Responses of Healthy Young Adults to Changes in Air Quality during the Beijing Olympics. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 1150-1159.	5.6	200
5	Association of Ozone Exposure With Cardiorespiratory Pathophysiologic Mechanisms in Healthy Adults. JAMA Internal Medicine, 2017, 177, 1344.	5.1	183
6	Comparisons of Ultrafine and Fine Particles in Their Associations with Biomarkers Reflecting Physiological Pathways. Environmental Science & Technology, 2014, 48, 5264-5273.	10.0	105
7	Cardiopulmonary effects of overnight indoor air filtration in healthy non-smoking adults: A double-blind randomized crossover study. Environment International, 2018, 114, 27-36.	10.0	80
8	Roles of mitochondrial ROS and NLRP3 inflammasome in multiple ozone-induced lung inflammation and emphysema. Respiratory Research, 2018, 19, 230.	3.6	77
9	Malondialdehyde in exhaled breath condensate and urine as a biomarker of air pollution induced oxidative stress. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 322-327.	3.9	72
10	Relationship between free and total malondialdehyde, a well-established marker of oxidative stress, in various types of human biospecimens. Journal of Thoracic Disease, 2018, 10, 3088-3197.	1.4	65
11	Dietary intake polycyclic aromatic hydrocarbons (PAHs) and associated cancer risk in a cohort of Chinese urban adults: Inter- and intra-individual variability. Chemosphere, 2016, 144, 2469-2475.	8.2	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. Indoor Air, 2018, 28, 360-372.	4.3	57
13	A controlled trial of acute effects of human exposure to traffic particles on pulmonary oxidative stress and heart rate variability. Particle and Fibre Toxicology, 2014, 11, 45.	6.2	55
14	Mitochondrial ROS and NLRP3 inflammasome in acute ozone-induced murine model of airway inflammation and bronchial hyperresponsiveness. Free Radical Research, 2019, 53, 780-790.	3.3	55
15	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. JAMA Pediatrics, 2020, 174, 533.	6.2	54
16	Cardiorespiratory biomarker responses in healthy young adults to drastic air quality changes surrounding the 2008 Beijing Olympics. Research Report (health Effects Institute), 2013, , 5-174.	1.6	54
17	Association between exposure to air pollution and risk of allergic rhinitis: A systematic review and meta-analysis. Environmental Research, 2022, 205, 112472.	7.5	43
18	Pulmonary effects of inhalation of spark-generated silver nanoparticles in Brown-Norway and Sprague-Dawley rats. Respiratory Research, 2016, 17, 85.	3.6	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.	2.5	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.	2.9	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.	2.9	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.	6.0	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.	10.0	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.	1.7	32
25	Oxidative DNA damage during night shift work. <i>Occupational and Environmental Medicine</i> , 2017, 74, 680-683.	2.8	32
26	Organic Components of Personal PM _{2.5} Exposure Associated with Inflammation: Evidence from an Untargeted Exposomic Approach. <i>Environmental Science & Technology</i> , 2021, 55, 10589-10596.	10.0	31
27	Aldehydes in relation to air pollution sources: A case study around the Beijing Olympics. <i>Atmospheric Environment</i> , 2015, 109, 61-69.	4.1	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.	14.6	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.	10.0	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.	10.0	24
31	Inflammatory and oxidative stress responses of healthy adults to changes in personal air pollutant exposure. <i>Environmental Pollution</i> , 2020, 263, 114503.	7.5	21
32	Exposome in human health: Utopia or wonderland?. <i>Innovation(China)</i> , 2021, 2, 100172.	9.1	20
33	Urinary polycyclic aromatic hydrocarbon metabolites as biomarkers of exposure to traffic-emitted pollutants. <i>Environment International</i> , 2015, 85, 104-110.	10.0	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.	3.9	19
35	Long-term exposure to PM _{2.5} and Children's lung function: a dose-based association analysis. <i>Journal of Thoracic Disease</i> , 2020, 12, 6379-6395.	1.4	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 & Technology</i> , 2021, 55, 3867-3875.	10.0	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.	8.0	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.	4.3	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.	1.4	15
40	Association of solid fuel use with risk of stunting in children living in China. <i>Indoor Air</i> , 2020, 30, 264-274.	4.3	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.	3.7	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.	1.4	13
43	New WHO global air quality guidelines help prevent premature deaths in China. <i>National Science Review</i> , 2022, 9, nwac055.	9.5	13
44	Oxidative DNA damage during sleep periods among nightshift workers. <i>Occupational and Environmental Medicine</i> , 2016, 73, 537-544.	2.8	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.	8.0	12
46	Proinflammatory lipid signals trigger the health effects of air pollution in individuals with prediabetes. <i>Environmental Pollution</i> , 2021, 290, 118008.	7.5	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.	3.5	11
48	Associations between time-weighted personal air pollution exposure and amino acid metabolism in healthy adults. <i>Environment International</i> , 2021, 156, 106623.	10.0	11
49	Ambient Air Pollution and Atherosclerosis: A Potential Mediating Role of Sphingolipids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 906-918.	2.4	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.	10.0	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.	1.4	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.	3.7	9
53	Monitoring DNA adducts in human blood samples using magnetic Fe ₃ O ₄ @graphene oxide as a nano-adsorbent and mass spectrometry. <i>Talanta</i> , 2020, 209, 120523.	5.5	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.	8.0	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.	3.7	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.	6.0	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.	1.4	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.	12.4	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.	1.4	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.	3.5	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.	4.3	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.	7.5	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.	8.0	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.	1.4	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.	1.4	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.	1.4	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.	1.4	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.	6.0	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.	1.4	1
71	Validation Of Exhaled Breath Condensate Measures Of Oxidative And Nitrosative Stress As Markers Of Acute Traffic Pollution Effects. , 2011, , .		0