

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	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
2	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
3	Association between exposure to air pollution and risk of allergic rhinitis: A systematic review and meta-analysis. <i>Environmental Research</i> , 2022, 205, 112472.	7.5	43
4	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
5	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
6	New WHO global air quality guidelines help prevent premature deaths in China. <i>National Science Review</i> , 2022, 9, nwac055.	9.5	13
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	The associations of nitrated polycyclic aromatic hydrocarbon exposures with plasma glucose and amino acids. <i>Environmental Pollution</i> , 2021, 289, 117945.	7.5	3
20	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
21	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
22	Proinflammatory lipid signals trigger the health effects of air pollution in individuals with prediabetes. <i>Environmental Pollution</i> , 2021, 290, 118008.	7.5	12
23	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
24	Exposome in human health: Utopia or wonderland?. <i>Innovation(China)</i> , 2021, 2, 100172.	9.1	20
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. <i>JAMA Pediatrics</i> , 2020, 174, 533.	6.2	54
35	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
36	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

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37	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
38	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.	3.3	55
39	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
40	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
41	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.	10.0	80
42	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
43	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.	4.3	57
44	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
45	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.	13.7	294
46	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
47	Roles of mitochondrial ROS and NLRP3 inflammasome in multiple ozone-induced lung inflammation and emphysema. <i>Respiratory Research</i> , 2018, 19, 230.	3.6	77
48	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.	1.4	65
49	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
50	Association of Ozone Exposure With Cardiorespiratory Pathophysiologic Mechanisms in Healthy Adults. <i>JAMA Internal Medicine</i> , 2017, 177, 1344.	5.1	183
51	Oxidative DNA damage during night shift work. <i>Occupational and Environmental Medicine</i> , 2017, 74, 680-683.	2.8	32
52	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
53	Pulmonary effects of inhalation of spark-generated silver nanoparticles in Brown-Norway and Sprague-Dawley rats. <i>Respiratory Research</i> , 2016, 17, 85.	3.6	42
54	Oxidative DNA damage during sleep periods among nightshift workers. <i>Occupational and Environmental Medicine</i> , 2016, 73, 537-544.	2.8	12

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55	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
56	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.	8.2	63
57	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
58	Urinary polycyclic aromatic hydrocarbon metabolites as biomarkers of exposure to traffic-emitted pollutants. <i>Environment International</i> , 2015, 85, 104-110.	10.0	19
59	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
60	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
61	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
62	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.	6.2	55
63	Comparisons of Ultrafine and Fine Particles in Their Associations with Biomarkers Reflecting Physiological Pathways. <i>Environmental Science & Technology</i> , 2014, 48, 5264-5273.	10.0	105
64	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.	3.9	72
65	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
66	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.	7.4	330
67	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.	5.6	200
68	Validation Of Exhaled Breath Condensate Measures Of Oxidative And Nitrosative Stress As Markers Of Acute Traffic Pollution Effects. , 2011, , .		0
69	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
70	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
71	Organochlorine Pesticides in the Air around the Taihu Lake, China. <i>Environmental Science & Technology</i> , 2004, 38, 1368-1374.	10.0	317