Xinghua Qiu

List of Publications by Year
in descending order

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100	5,071	117625	91884
papers	citations	34 h-index	69 g-index

100	100	100	5388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contribution of Dicofol to the Current DDT Pollution in China. Environmental Science & Technology, 2005, 39, 4385-4390.	10.0	621
2	Air pollutant emissions from Chinese households: A major and underappreciated ambient pollution source. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7756-7761.	7.1	378
3	Organochlorine Pesticides in the Air around the Taihu Lake, China. Environmental Science & Technology, 2004, 38, 1368-1374.	10.0	317
4	Association of selected persistent organic pollutants in the placenta with the risk of neural tube defects. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12770-12775.	7.1	249
5	Hydroxylated Metabolites of Polybrominated Diphenyl Ethers in Human Blood Samples from the United States. Environmental Health Perspectives, 2009, 117, 93-98.	6.0	216
6	Dechlorane Plus and Other Flame Retardants in a Sediment Core from Lake Ontario. Environmental Science & Technology, 2007, 41, 6014-6019.	10.0	190
7	Sources, transformation, and health implications of PAHs and their nitrated, hydroxylated, and oxygenated derivatives in PM_{2.5} in Beijing. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7219-7228.	3.3	187
8	Dechlorane Plus and Other Flame Retardants in Tree Bark from the Northeastern United States. Environmental Science & Technology, 2008, 42, 31-36.	10.0	145
9	Polybrominated diphenyl ethers (PBDEs) and other flame retardants in the atmosphere and water from Taihu Lake, East China. Chemosphere, 2010, 80, 1207-1212.	8.2	136
10	Concentrations and spatial distribution of polycyclic aromatic hydrocarbons (PAHs) and nitrated PAHs (NPAHs) in the atmosphere of North China, and the transformation from PAHs to NPAHs. Environmental Pollution, 2015, 196, 164-170.	7.5	116
11	State of polybrominated diphenyl ethers in China: An overview. Chemosphere, 2012, 88, 769-778.	8.2	109
12	Sources and oxidative potential of water-soluble humic-like substances (HULIS_{WS}) in fine particulate matter (PM_{2.5}) in Beijing. Atmospheric Chemistry and Physics, 2018, 18, 5607-5617.	4.9	92
13	Effects on IL-1Î² signaling activation induced by water and organic extracts of fine particulate matter (PM2.5) inÂvitro. Environmental Pollution, 2018, 237, 592-600.	7.5	90
14	Atmospheric PAHs in North China: Spatial distribution and sources. Science of the Total Environment, 2016, 565, 994-1000.	8.0	83
15	Using the o,pâ€²-DDT/p,pâ€²-DDT ratio to identify DDT sources in China. Chemosphere, 2010, 81, 1033-1038.	8.2	81
16	A quantitative assessment of source contributions to fine particulate matter (PM2.5)-bound polycyclic aromatic hydrocarbons (PAHs) and their nitrated and hydroxylated derivatives in Hong Kong. Environmental Pollution, 2016, 219, 742-749.	7.5	80
17	Particulate Matter Toxicity Is Nrf2 and Mitochondria Dependent: The Roles of Metals and Polycyclic Aromatic Hydrocarbons. Chemical Research in Toxicology, 2020, 33, 1110-1120.	3.3	78
18	Commuter exposure to particulate matter and particle-bound PAHs in three transportation modes in Beijing, China. Environmental Pollution, 2015, 204, 199-206.	7.5	77

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19	Sources and spatial distribution of particulate polycyclic aromatic hydrocarbons in Shanghai, China. Science of the Total Environment, 2017, 584-585, 307-317.	8.0	73
20	Investigation of the chemical components of ambient fine particulate matter (PM2.5) associated with in vitro cellular responses to oxidative stress and inflammation. Environment International, 2020, 136, 105475.	10.0	66
21	Association of serum levels of typical organic pollutants with polycystic ovary syndrome (PCOS): a caseâ€“control study. Human Reproduction, 2015, 30, 1964-1973.	0.9	64
22	Nrf2 protects against diverse PM2.5 components-induced mitochondrial oxidative damage in lung cells. Science of the Total Environment, 2019, 669, 303-313.	8.0	62
23	Exposure to typical persistent organic pollutants from an electronic waste recycling site in Northern China. Chemosphere, 2013, 91, 205-211.	8.2	61
24	Airborne nitro-PAHs induce Nrf2/ARE defense system against oxidative stress and promote inflammatory process by activating PI3K/Akt pathway in A549 cells. Toxicology in Vitro, 2017, 44, 66-73.	2.4	60
25	Airâ€“Water Gas Exchange of Organochlorine Pesticides in Taihu Lake, China. Environmental Science & Technology, 2008, 42, 1928-1932.	10.0	54
26	Polycyclic aromatic hydrocarbon (PAH) exposure and oxidative stress for a rural population from the North China Plain. Environmental Science and Pollution Research, 2015, 22, 1760-1769.	5.3	53
27	Urinary Metabolites of Polycyclic Aromatic Hydrocarbons and the Association with Lipid Peroxidation: A Biomarker-Based Study between Los Angeles and Beijing. Environmental Science & Technology, 2016, 50, 3738-3745.	10.0	51
28	Pro-Oxidative and Proinflammatory Effects After Traveling From Los Angeles to Beijing. Circulation, 2019, 140, 1995-2004.	1.6	50
29	Association of polycyclic aromatic hydrocarbons in housewives' hair with hypertension. Chemosphere, 2016, 153, 315-321.	8.2	49
30	Hydrophobic Organic Components of Ambient Fine Particulate Matter (PM_{2.5}) Associated with Inflammatory Cellular Response. Environmental Science & Technology, 2019, 53, 10479-10486.	10.0	48
31	Seasonal variations in fine particle composition from Beijing prompt oxidative stress response in mouse lung and liver. Science of the Total Environment, 2018, 626, 147-155.	8.0	46
32	Association of internal exposure to polycyclic aromatic hydrocarbons with inflammation and oxidative stress in prediabetic and healthy individuals. Chemosphere, 2020, 253, 126748.	8.2	38
33	Optical properties, source apportionment and redox activity of humic-like substances (HULIS) in airborne fine particulates in Hong Kong. Environmental Pollution, 2019, 255, 113087.	7.5	37
34	Polybromobenzene Pollutants in the Atmosphere of North China: Levels, Distribution, and Sources. Environmental Science & Technology, 2013, 47, 12761-12767.	10.0	35
35	High efficiency cabin air filter in vehicles reduces drivers' roadway particulate matter exposures and associated lipid peroxidation. PLoS ONE, 2017, 12, e0188498.	2.5	33
36	Acute and chronic effects of ambient fine particulate matter on preterm births in Beijing, China: A time-series model. Science of the Total Environment, 2019, 650, 1671-1677.	8.0	33

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37	Reactive Oxygen Species Alteration of Immune Cells in Local Residents at an Electronic Waste Recycling Site in Northern China. Environmental Science & Technology, 2013, 47, 3344-3352.	10.0	31
38	Respiratory Inflammation and Short-Term Ambient Air Pollution Exposures in Adult Beijing Residents with and without Prediabetes: A Panel Study. Environmental Health Perspectives, 2020, 128, 67004.	6.0	31
39	Organic Components of Personal PM_{2.5} Exposure Associated with Inflammation: Evidence from an Untargeted Exposomic Approach. Environmental Science & Technology, 2021, 55, 10589-10596.	10.0	31
40	Spatial distribution of polychlorinated naphthalenes in the atmosphere across North China based on gridded field observations. Environmental Pollution, 2013, 180, 27-33.	7.5	30
41	Organochlorine pesticide levels in maternal serum and risk of neural tube defects in offspring in Shanxi Province, China: A caseâ€“control study. Science of the Total Environment, 2014, 490, 1037-1043.	8.0	29
42	Susceptibility of individuals with chronic obstructive pulmonary disease to air pollution exposure in Beijing, China: A case-control panel study (COPDB). Science of the Total Environment, 2020, 717, 137285.	8.0	29
43	Precursors and Pathways Leading to Enhanced Secondary Organic Aerosol Formation during Severe Haze Episodes. Environmental Science & Technology, 2021, 55, 15680-15693.	10.0	28
44	Susceptibility of prediabetes to the health effect of air pollution: a community-based panel study with a nested case-control design. Environmental Health, 2019, 18, 65.	4.0	26
45	Secondary Production of Gaseous Nitrated Phenols in Polluted Urban Environments. Environmental Science & Technology, 2021, 55, 4410-4419.	10.0	26
46	Using placenta to evaluate the polychlorinated biphenyls (PCBs) and polybrominated diphenyl ethers (PBDEs) exposure of fetus in a region with high prevalence of neural tube defects. Ecotoxicology and Environmental Safety, 2012, 86, 141-146.	6.0	24
47	Susceptibility of individuals with chronic obstructive pulmonary disease to respiratory inflammation associated with short-term exposure to ambient air pollution: A panel study in Beijing. Science of the Total Environment, 2021, 766, 142639.	8.0	24
48	Changes in bioactive lipid mediators in response to short-term exposure to ambient air particulate matter: A targeted lipidomic analysis of oxylipin signaling pathways. Environment International, 2021, 147, 106314.	10.0	24
49	Comparison of gene expression profiles induced by fresh or ozone-oxidized black carbon particles in A549Âcells. Chemosphere, 2017, 180, 212-220.	8.2	23
50	Macrophage-Mediated Effects of Airborne Fine Particulate Matter (PM_{2.5}) on Hepatocyte Insulin Resistance in Vitro. ACS Omega, 2016, 1, 736-743.	3.5	22
51	Modifications of autophagy influenced the Alzheimer-like changes in SH-SY5Y cells promoted by ultrafine black carbon. Environmental Pollution, 2019, 246, 763-771.	7.5	22
52	Significant accumulation of persistent organic pollutants and dysregulation in multiple DNA damage repair pathways in the electronic-waste-exposed populations. Environmental Research, 2015, 137, 458-466.	7.5	21
53	Inflammatory and oxidative stress responses of healthy adults to changes in personal air pollutant exposure. Environmental Pollution, 2020, 263, 114503.	7.5	21
54	Pollutants from primary sources dominate the oxidative potential of water-soluble PM2.5 in Hong Kong in terms of dithiothreitol (DTT) consumption and hydroxyl radical production. Journal of Hazardous Materials, 2021, 405, 124218.	12.4	21

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55	Comprehensive detection of nitrated aromatic compounds in fine particulate matter using gas chromatography and tandem mass spectrometry coupled with an electron capture negative ionization source. Journal of Hazardous Materials, 2021, 407, 124794.	12.4	20
56	The methyl-triclosan induced caspase-dependent mitochondrial apoptosis in HepG2 cells mediated through oxidative stress. Ecotoxicology and Environmental Safety, 2019, 182, 109391.	6.0	18
57	Isomeric Identification of Particle-Phase Organic Nitrates through Gas Chromatography and Time-of-Flight Mass Spectrometry Coupled with an Electron Capture Negative Ionization Source. Environmental Science & Technology, 2020, 54, 707-713.	10.0	17
58	Association between exposure to polycyclic aromatic hydrocarbons and lipid peroxidation in patients with chronic obstructive pulmonary disease. Science of the Total Environment, 2021, 780, 146660.	8.0	17
59	Levels, spatial distribution, and exposure risks of decabromodiphenylethane in soils of North China. Environmental Science and Pollution Research, 2015, 22, 13319-13327.	5.3	16
60	Dechlorane Plus in surface soil of North China: levels, isomer profiles, and spatial distribution. Environmental Science and Pollution Research, 2014, 21, 8870-8877.	5.3	15
61	Gridded Field Observations of Polybrominated Diphenyl Ethers and Decabromodiphenyl Ethane in the Atmosphere of North China. Environmental Science & Technology, 2013, 47, 130718124130004.	10.0	14
62	A rapid and high-throughput approach to quantify non-esterified oxylipins for epidemiological studies using online SPE-LC-MS/MS. Analytical and Bioanalytical Chemistry, 2020, 412, 7989-8001.	3.7	14
63	Metabolomic Changes after Subacute Exposure to Polycyclic Aromatic Hydrocarbons: A Natural Experiment among Healthy Travelers from Los Angeles to Beijing. Environmental Science & Technology, 2021, 55, 5097-5105.	10.0	14
64	Arachidonic acid metabolism and inflammatory biomarkers associated with exposure to polycyclic aromatic hydrocarbons. Environmental Research, 2022, 212, 113498.	7.5	14
65	Genotoxic effects and serum abnormalities in residents of regions proximal to e-waste disposal facilities in Jinghai, China. Ecotoxicology and Environmental Safety, 2014, 105, 51-58.	6.0	13
66	A novel approach for apportionment between primary and secondary sources of airborne nitrated polycyclic aromatic hydrocarbons (NPAHs). Atmospheric Environment, 2016, 138, 108-113.	4.1	13
67	Health effects of air pollution: what we need to know and to do in the next decade. Journal of Thoracic Disease, 2019, 11, 1727-1730.	1.4	13
68	Biases Arising from the Use of Ambient Measurements to Represent Personal Exposure in Evaluating Inflammatory Responses to Fine Particulate Matter: Evidence from a Panel Study in Beijing, China. Environmental Science and Technology Letters, 2020, 7, 746-752.	8.7	13
69	microRNA-146a-5p negatively modulates PM2.5 caused inflammation in THP-1Âcells via autophagy process. Environmental Pollution, 2021, 268, 115961.	7.5	13
70	Risk factors in air pollution exposome contributing to higher levels of TNFÎ± in COPD patients. Environment International, 2022, 159, 107034.	10.0	13
71	Different temporal trends of exposure to Bisphenol A among international travelers between Los Angeles and Beijing. Environment International, 2020, 141, 105758.	10.0	12
72	Urinary carboxylic acid metabolites as possible novel biomarkers of exposures to alkylated polycyclic aromatic hydrocarbons. Environment International, 2021, 147, 106325.	10.0	12

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73	Transcriptomics changes and the candidate pathway in human macrophages induced by different PM2.5 extracts. Environmental Pollution, 2021, 289, 117890.	7.5	12
74	Proinflammatory lipid signals trigger the health effects of air pollution in individuals with prediabetes. Environmental Pollution, 2021, 290, 118008.	7.5	12
75	Ultrafine black carbon caused mitochondrial oxidative stress, mitochondrial dysfunction and mitophagy in SH-SY5Y cells. Science of the Total Environment, 2022, 813, 151899.	8.0	12
76	Gridded Field Observations of Polybrominated Diphenyl Ethers in Soils of North China. Archives of Environmental Contamination and Toxicology, 2014, 66, 482-490.	4.1	11
77	Associations between time-weighted personal air pollution exposure and amino acid metabolism in healthy adults. Environment International, 2021, 156, 106623.	10.0	11
78	Ambient Air Pollution and Atherosclerosis: A Potential Mediating Role of Sphingolipids. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 906-918.	2.4	11
79	Field determination and QSPR prediction of equilibrium-status soil/vegetation partition coefficient of PCDD/Fs. Journal of Hazardous Materials, 2014, 276, 278-286.	12.4	9
80	Susceptibility of individuals with lung dysfunction to systemic inflammation associated with ambient fine particle exposure: A panel study in Beijing. Science of the Total Environment, 2021, 788, 147760.	8.0	9
81	Organic Iodine Compounds in Fine Particulate Matter from a Continental Urban Region: Insights into Secondary Formation in the Atmosphere. Environmental Science & Technology, 2021, 55, 1508-1514.	10.0	9
82	Associations between changes in adipokines and exposure to fine and ultrafine particulate matter in ambient air in Beijing residents with and without pre-diabetes. BMJ Open Diabetes Research and Care, 2020, 8, e001215.	2.8	9
83	A simple and rapid method for extraction and measurement of circulating sphingolipids using LCâ€“MS/MS: a targeted lipidomic analysis. Analytical and Bioanalytical Chemistry, 2022, 414, 2041-2054.	3.7	9
84	Glucose Metabolic Disorders Enhance Vascular Dysfunction Triggered by Particulate Air Pollution: a Panel Study. Hypertension, 2022, 79, 1079-1090.	2.7	8
85	Ceramide metabolism mediates the impaired glucose homeostasis following short-term black carbon exposure: A targeted lipidomic analysis. Science of the Total Environment, 2022, 829, 154657.	8.0	8
86	Photocatalytic Role of Atmospheric Soot Particles under Visible-Light Irradiation: Reactive Oxygen Species Generation, Self-Oxidation Process, and Induced Higher Oxidative Potential and Cytotoxicity. Environmental Science & Technology, 2022, 56, 7668-7678.	10.0	8
87	Difference on oxidative stress in lung epithelial cells and macrophages induced by ambient fine particulate matter (PM2.5). Air Quality, Atmosphere and Health, 2020, 13, 789-796.	3.3	7
88	Associations between differences in anemia-related blood cell parameters and short-term exposure to ambient particle pollutants in middle-aged and elderly residents in Beijing, China. Science of the Total Environment, 2022, 816, 151520.	8.0	7
89	Differences in transcriptome response to air pollution exposure between adult residents with and without chronic obstructive pulmonary disease in Beijing: A panel study. Journal of Hazardous Materials, 2021, 416, 125790.	12.4	5
90	Personal exposure to electrophilic compounds of fine particulate matter and the inflammatory response: The role of atmospheric transformation. Journal of Hazardous Materials, 2022, 432, 128559.	12.4	5

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91	Improved method for the optical analysis of particulate black carbon (BC) using smartphones. Atmospheric Environment, 2020, 224, 117291.	4.1	4
92	Identification of organosiloxanes in ambient fine particulate matters using an untargeted strategy via gas chromatography and time-of-flight mass spectrometry. Environmental Pollution, 2021, 271, 116128.	7.5	4
93	Susceptibility of patients with chronic obstructive pulmonary disease to heart rate difference associated with the short-term exposure to metals in ambient fine particles: A panel study in Beijing, China. Science China Life Sciences, 2021, , 1.	4.9	4
94	Field Evaluation of a Potential Exposure Biomarker of Methylated Polycyclic Aromatic Hydrocarbons: Association between Urinary Phenanthrene-2-carboxylic Acid and Personal Exposure to 2-Methylphenanthrene. Environmental Science and Technology Letters, 2022, 9, 166-172.	8.7	4
95	The associations of nitrated polycyclic aromatic hydrocarbon exposures with plasma glucose and amino acids. Environmental Pollution, 2021, 289, 117945.	7.5	3
96	Fine particulate matter and vasoactive 20-hydroxyeicosatetraenoic acid: Insights into the mechanisms of the prohypertensive effects of particulate air pollution. Science of the Total Environment, 2022, 806, 151298.	8.0	3
97	Triglyceride profiles are associated with subacute exposure to bisphenol A in healthy young adults. Science of the Total Environment, 2022, 825, 153991.	8.0	3
98	Selenium protects against the likelihood of fetal neural tube defects partly via the arginine metabolic pathway. Clinical Nutrition, 2022, 41, 838-846.	5.0	2
99	Glucose metabolism disorder enhanced the changes in cardiovascular function associated with exposure to ambient air particulate matter: a panel study. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
100	Transcriptomics reveals the mechanisms of population susceptibility to blood glucose associated with short-term exposure to ambient fine and ultrafine particles. ISEE Conference Abstracts, 2021, 2021, .	0.0	0