

# Bin Han

## List of Publications by Year in descending order

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44  
papers

1,973  
citations

361413

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h-index

243625

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44  
docs citations

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times ranked

2724  
citing authors

#	ARTICLE	IF	CITATIONS
1	A seasonal study of polycyclic aromatic hydrocarbons in PM <sub>2.5</sub> and PM <sub>2.5</sub> â€“ <sub>10</sub> in five typical cities of Liaoning Province, China. <i>Journal of Hazardous Materials</i> , 2010, 183, 70-80.	12.4	212
2	Receptor modeling of PM <sub>2.5</sub> , PM <sub>10</sub> and TSP in different seasons and long-range transport analysis at a coastal site of Tianjin, China. <i>Science of the Total Environment</i> , 2010, 408, 4681-4694.	8.0	149
3	Long-term exposure to urban air pollution and lung cancer mortality: A 12-year cohort study in Northern China. <i>Science of the Total Environment</i> , 2016, 571, 855-861.	8.0	148
4	Long-term exposure to high particulate matter pollution and cardiovascular mortality: A 12-year cohort study in four cities in northern China. <i>Environment International</i> , 2014, 62, 41-47.	10.0	135
5	Levels, risk assessment and sources of PM <sub>10</sub> fraction heavy metals in four types dust from a coal-based city. <i>Microchemical Journal</i> , 2011, 98, 280-290.	4.5	115
6	Heavy haze episodes in Beijing during January 2013: Inorganic ion chemistry and source analysis using highly time-resolved measurements from an urban site. <i>Science of the Total Environment</i> , 2016, 544, 319-329.	8.0	102
7	A land use regression for predicting NO <sub>2</sub> and PM <sub>10</sub> concentrations in different seasons in Tianjin region, China. <i>Journal of Environmental Sciences</i> , 2010, 22, 1364-1373.	6.1	101
8	Chemical characteristic of PM <sub>2.5</sub> emission and inhalational carcinogenic risk of domestic Chinese cooking. <i>Environmental Pollution</i> , 2017, 227, 24-30.	7.5	93
9	Characterization of PM <sub>10</sub> source profiles for fugitive dust in Fushun-a city famous for coal. <i>Atmospheric Environment</i> , 2011, 45, 5351-5365.	4.1	89
10	Characterization, health risk of heavy metals, and source apportionment of atmospheric PM <sub>2.5</sub> to children in summer and winter: an exposure panel study in Tianjin, China. <i>Air Quality, Atmosphere and Health</i> , 2015, 8, 347-357.	3.3	73
11	Characterization of Elemental Species in PM <sub>2.5</sub> Samples Collected in Four Cities of Northeast China. <i>Water, Air, and Soil Pollution</i> , 2010, 209, 15-28.	2.4	68
12	Major chemical compositions, possible sources, and mass closure analysis of PM <sub>2.5</sub> in Jinan, China. <i>Air Quality, Atmosphere and Health</i> , 2014, 7, 251-262.	3.3	67
13	Potential threat of heavy metals in re-suspended dusts on building surfaces in oilfield city. <i>Atmospheric Environment</i> , 2011, 45, 4192-4204.	4.1	66
14	Assessing the Hazardous Risks of Vehicle Inspection Workersâ€™ Exposure to Particulate Heavy Metals in Their Work Places. <i>Aerosol and Air Quality Research</i> , 2013, 13, 255-265.	2.1	62
15	Characterization of PM <sub>10</sub> fraction of road dust for polycyclic aromatic hydrocarbons (PAHs) from Anshan, China. <i>Journal of Hazardous Materials</i> , 2009, 170, 934-940.	12.4	55
16	Source analysis of particulate matter associated polycyclic aromatic hydrocarbons (PAHs) in an industrial city in northeastern China. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2597.	2.1	31
17	Element composition and source apportionment of atmospheric aerosols over the China Sea. <i>Atmospheric Pollution Research</i> , 2015, 6, 191-201.	3.8	30
18	Human Exposure Assessment for Air Pollution. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1017, 27-57.	1.6	26

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19	Health risk assessment for vehicle inspection workers exposed to airborne polycyclic aromatic hydrocarbons (PAHs) in their work place. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 623.	3.5	25
20	An advanced spatio-temporal model for particulate matter and gaseous pollutants in Beijing, China. <i>Atmospheric Environment</i> , 2019, 211, 120-127.	4.1	24
21	Assessing the inhalation cancer risk of particulate matter bound polycyclic aromatic hydrocarbons (PAHs) for the elderly in a retirement community of a mega city in North China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20194-20204.	5.3	22
22	Spatial and Temporal Variation of Chemical Composition and Mass Closure of Ambient PM10 in Tianjin, China. <i>Aerosol and Air Quality Research</i> , 2013, 13, 1832-1846.	2.1	21
23	Associations of Exposure to Fine Particulate Matter Mass and Constituents with Systemic Inflammation: A Cross-Sectional Study of Urban Older Adults in China. <i>Environmental Science &amp; Technology</i> , 2022, 56, 7244-7255.	10.0	21
24	Individual and population intake fractions of diesel particulate matter (DPM) in bus stop microenvironments. <i>Environmental Pollution</i> , 2015, 207, 161-167.	7.5	20
25	Similarities and Differences in PM2.5, PM10 and TSP Chemical Profiles of Fugitive Dust Sources in a Coastal Oilfield City in China. <i>Aerosol and Air Quality Research</i> , 2014, 14, 2017-2028.	2.1	20
26	Comparative statistical models for estimating potential roles of relative humidity and temperature on the concentrations of secondary inorganic aerosol: Statistical insights on air pollution episodes at Beijing during January 2013. <i>Atmospheric Environment</i> , 2019, 212, 11-21.	4.1	18
27	Inhalation cancer risk estimation of source-specific personal exposure for particulate matter-bound polycyclic aromatic hydrocarbons based on positive matrix factorization. <i>Environmental Science and Pollution Research</i> , 2019, 26, 10230-10239.	5.3	18
28	Chemical compositions and sources of atmospheric PM10 in heating, non-heating and sand periods at a coal-based city in northeastern china. <i>Journal of Environmental Monitoring</i> , 2012, 14, 852.	2.1	17
29	A panel study of airborne particulate matter concentration and impaired cardiopulmonary function in young adults by two different exposure measurement. <i>Atmospheric Environment</i> , 2018, 180, 103-109.	4.1	16
30	Chemical Characterizations of PM10 Profiles for Major Emission Sources in Xining, Northwestern China. <i>Aerosol and Air Quality Research</i> , 2014, 14, 1017-1027.	2.1	16
31	Particle Exposure Assessment for Community Elderly (PEACE) in Tianjin, China: Mass concentration relationships. <i>Atmospheric Environment</i> , 2012, 49, 77-84.	4.1	14
32	Exposure measurement, risk assessment and source identification for exposure of traffic assistants to particle-bound PAHs in Tianjin, China. <i>Journal of Environmental Sciences</i> , 2014, 26, 448-457.	6.1	13
33	Gravimetric analysis for PM2.5 mass concentration based on year-round monitoring at an urban site in Beijing. <i>Journal of Environmental Sciences</i> , 2016, 40, 154-160.	6.1	12
34	The characteristics of inorganic gases and volatile organic compounds at a remote site in the Tibetan Plateau. <i>Atmospheric Research</i> , 2020, 234, 104740.	4.1	12
35	Personal Exposure of Children to Particle-Associated Polycyclic Aromatic Hydrocarbons in Tianjin, China. <i>Polycyclic Aromatic Compounds</i> , 2014, 34, 320-342.	2.6	9
36	Chemical Compositions and Source Analysis of PM2.5 during Autumn and Winter in a Heavily Polluted City in China. <i>Atmosphere</i> , 2020, 11, 336.	2.3	9

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37	Chemical characterizations of PM10 fraction of paved road dust in Anshan, China. <i>Transportation Research, Part D: Transport and Environment</i> , 2009, 14, 599-603.	6.8	8
38	Assessment on personal exposure to particulate compounds using an empirical exposure model in an elderly community in Tianjin, China. <i>Science of the Total Environment</i> , 2016, 572, 1080-1091.	8.0	8
39	Characteristics of PM10 Chemical Source Profiles for Geological Dust from the South-West Region of China. <i>Atmosphere</i> , 2016, 7, 146.	2.3	7
40	Development of spatiotemporal models to predict ambient ozone and NOx concentrations in Tianjin, China. <i>Atmospheric Environment</i> , 2019, 213, 37-46.	4.1	6
41	Characteristics, Secondary Formation and Regional Contributions of PM2.5 Pollution in Jinan during Winter. <i>Atmosphere</i> , 2020, 11, 273.	2.3	6
42	Characteristics, Source Contributions, and Source-Specific Health Risks of PM2.5-Bound Polycyclic Aromatic Hydrocarbons for Senior Citizens during the Heating Season in Tianjin, China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4440.	2.6	5
43	Source profile and excess cancer risk evaluation of environmental tobacco smoking under real conditions, China. <i>Atmospheric Pollution Research</i> , 2019, 10, 1994-1999.	3.8	2
44	Characterizations and Potential Formation Pathways of Atmospheric Inorganic Ions at a National Background Site in the Northeastern Qinghai-Tibet Plateau During Autumn Season. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032819.	3.3	2