

# Shaofei Kong

## List of Publications by Citations

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104  
papers

3,158  
citations

31  
h-index

53  
g-index

113  
ext. papers

3,968  
ext. citations

7.2  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
104	Black-carbon absorption enhancement in the atmosphere determined by particle mixing state. <i>Nature Geoscience</i> , <b>2017</b> , 10, 184-188	18.3	212
103	A seasonal study of polycyclic aromatic hydrocarbons in PM(2.5) and PM(2.5-10) in five typical cities of Liaoning Province, China. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 183, 70-80	12.8	172
102	Diversities of phthalate esters in suburban agricultural soils and wasteland soil appeared with urbanization in China. <i>Environmental Pollution</i> , <b>2012</b> , 170, 161-8	9.3	167
101	Variation of polycyclic aromatic hydrocarbons in atmospheric PM2.5 during winter haze period around 2014 Chinese Spring Festival at Nanjing: Insights of source changes, air mass direction and firework particle injection. <i>Science of the Total Environment</i> , <b>2015</b> , 520, 59-72	10.2	121
100	Receptor modeling of PM2.5, PM10 and TSP in different seasons and long-range transport analysis at a coastal site of Tianjin, China. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 4681-94	10.2	119
99	Polycyclic aromatic hydrocarbons (PAHs) in atmospheric PM2.5 and PM10 at a coal-based industrial city: Implication for PAH control at industrial agglomeration regions, China. <i>Atmospheric Research</i> , <b>2014</b> , 149, 217-229	5.4	101
98	Significant changes in the chemical compositions and sources of PM in Wuhan since the city lockdown as COVID-19. <i>Science of the Total Environment</i> , <b>2020</b> , 739, 140000	10.2	95
97	Levels, risk assessment and sources of PM10 fraction heavy metals in four types dust from a coal-based city. <i>Microchemical Journal</i> , <b>2011</b> , 98, 280-290	4.8	94
96	Spatial and temporal variation of phthalic acid esters (PAEs) in atmospheric PM10 and PM2.5 and the influence of ambient temperature in Tianjin, China. <i>Atmospheric Environment</i> , <b>2013</b> , 74, 199-208	5.3	83
95	A land use regression for predicting NO2 and PM10 concentrations in different seasons in Tianjin region, China. <i>Journal of Environmental Sciences</i> , <b>2010</b> , 22, 1364-73	6.4	83
94	Monitoring of volatile organic compounds (VOCs) from an oil and gas station in northwest China for 1 year. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 4567-4595	6.8	82
93	Risk assessment of heavy metals in road and soil dusts within PM2.5, PM10 and PM100 fractions in Dongying city, Shandong Province, China. <i>Journal of Environmental Monitoring</i> , <b>2012</b> , 14, 791-803		82
92	Characterization of PAHs within PM10 fraction for ashes from coke production, iron smelt, heating station and power plant stacks in Liaoning Province, China. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 3777-3785 <sup>53</sup>		77
91	Characterization of PM10 source profiles for fugitive dust in Fushun-a city famous for coal. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 5351-5365	5.3	68
90	Distribution and sources of polycyclic aromatic hydrocarbons in size-differentiated re-suspended dust on building surfaces in an oilfield city, China. <i>Atmospheric Environment</i> , <b>2012</b> , 55, 7-16	5.3	64
89	Characterization, health risk of heavy metals, and source apportionment of atmospheric PM2.5 to children in summer and winter: an exposure panel study in Tianjin, China. <i>Air Quality, Atmosphere and Health</i> , <b>2015</b> , 8, 347-357	5.6	64
88	Characterization of Elemental Species in PM2.5 Samples Collected in Four Cities of Northeast China. <i>Water, Air, and Soil Pollution</i> , <b>2010</b> , 209, 15-28	2.6	64

87	Emission and profile characteristic of volatile organic compounds emitted from coke production, iron smelt, heating station and power plant in Liaoning Province, China. <i>Science of the Total Environment</i> , <b>2015</b> , 515-516, 101-8	10.2	60
86	Emission and profile characteristic of polycyclic aromatic hydrocarbons in PM <sub>2.5</sub> and PM <sub>10</sub> from stationary sources based on dilution sampling. <i>Atmospheric Environment</i> , <b>2013</b> , 77, 155-165	5.3	56
85	Morphology, composition, and mixing state of primary particles from combustion sources - crop residue, wood, and solid waste. <i>Scientific Reports</i> , <b>2017</b> , 7, 5047	4.9	49
84	Potential threat of heavy metals in re-suspended dusts on building surfaces in oilfield city. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 4192-4204	5.3	48
83	Compositions, sources and health risks of ambient volatile organic compounds (VOCs) at a petrochemical industrial park along the Yangtze River. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135505	10.2	48
82	Importance of meteorology in air pollution events during the city lockdown for COVID-19 in Hubei Province, Central China. <i>Science of the Total Environment</i> , <b>2021</b> , 754, 142227	10.2	46
81	Polycyclic aromatic hydrocarbons (PAHs) in atmospheric PM <sub>2.5</sub> around 2013 Asian Youth Games period in Nanjing. <i>Atmospheric Research</i> , <b>2016</b> , 174-175, 85-96	5.4	44
80	Estimating the open biomass burning emissions in central and eastern China from 2003 to 2015 based on satellite observation. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 11623-11646	6.8	44
79	Direct Observations of Fine Primary Particles From Residential Coal Burning: Insights Into Their Morphology, Composition, and Hygroscopicity. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 12,964	4.4	44
78	Intra-regional transport of black carbon between the south edge of the North China Plain and central China during winter haze episodes. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 4499-4516	6.8	40
77	Substantial reductions in ambient PAHs pollution and lives saved as a co-benefit of effective long-term PM pollution controls. <i>Environment International</i> , <b>2018</b> , 114, 266-279	12.9	39
76	Ion chemistry for atmospheric size-segregated aerosol and depositions at an offshore site of Yangtze River Delta region, China. <i>Atmospheric Research</i> , <b>2014</b> , 147-148, 205-226	5.4	39
75	The impacts of pollution control measures on PM <sub>2.5</sub> reduction: Insights of chemical composition, source variation and health risk. <i>Atmospheric Environment</i> , <b>2019</b> , 197, 103-117	5.3	38
74	Characterization and Source Identification of PM <sub>10</sub> -bound Polycyclic Aromatic Hydrocarbons in Urban Air of Tianjin, China. <i>Aerosol and Air Quality Research</i> , <b>2010</b> , 10, 507-518	4.6	35
73	Regional and local new particle formation events observed in the Yangtze River Delta region, China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 2389-2402	4.4	31
72	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. <i>Environment International</i> , <b>2021</b> , 157, 106818	12.9	30
71	The moving of high emission for biomass burning in China: View from multi-year emission estimation and human-driven forces. <i>Environment International</i> , <b>2020</b> , 142, 105812	12.9	28
70	Size-resolved chemical composition of atmospheric particles during a straw burning period at Mt. Huang (the Yellow Mountain) of China. <i>Atmospheric Environment</i> , <b>2014</b> , 84, 380-389	5.3	27

69	Source analysis of particulate matter associated polycyclic aromatic hydrocarbons (PAHs) in an industrial city in northeastern China. <i>Journal of Environmental Monitoring</i> , <b>2011</b> , 13, 2597-604		27
68	Vertical characteristics of black carbon physical properties over Beijing region in warm and cold seasons. <i>Atmospheric Environment</i> , <b>2019</b> , 213, 296-310	5.3	26
67	Altitudinal effect to the size distribution of water soluble inorganic ions in PM at Huangshan, China. <i>Atmospheric Environment</i> , <b>2014</b> , 98, 242-252	5.3	26
66	A land use regression model incorporating data on industrial point source pollution. <i>Journal of Environmental Sciences</i> , <b>2012</b> , 24, 1251-8	6.4	25
65	Trend reversal from high-to-low and from rural-to-urban ozone concentrations over Europe. <i>Atmospheric Environment</i> , <b>2019</b> , 213, 25-36	5.3	24
64	Updated emission inventories of power plants in simulating air quality during haze periods over East China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2065-2079	6.8	24
63	Size-Related Physical Properties of Black Carbon in the Lower Atmosphere over Beijing and Europe. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 11112-11121	10.3	24
62	Vertical evolution of black carbon characteristics and heating rate during a haze event in Beijing winter. <i>Science of the Total Environment</i> , <b>2020</b> , 709, 136251	10.2	21
61	Comparison of inorganic chemical compositions of atmospheric TSP, PM and PM in northern and southern Chinese coastal cities. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 55, 339-353	6.4	20
60	A Hybrid Fuzzy Wavelet Neural Network Model with Self-Adapted Fuzzy c-Means Clustering and Genetic Algorithm for Water Quality Prediction in Rivers. <i>Complexity</i> , <b>2018</b> , 2018, 1-11	1.6	20
59	Observed Interactions Between Black Carbon and Hydrometeor During Wet Scavenging in Mixed-Phase Clouds. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 8453-8463	4.9	19
58	Concentrations, spatial distributions and congener profiles of polychlorinated biphenyls in soils from a coastal city--Tianjin, China. <i>Chemosphere</i> , <b>2011</b> , 85, 494-501	8.4	19
57	Emission and simulation of primary fine and submicron particles and water-soluble ions from domestic coal combustion in China. <i>Atmospheric Environment</i> , <b>2020</b> , 224, 117308	5.3	18
56	C1-C2 alkyl aminiums in urban aerosols: Insights from ambient and fuel combustion emission measurements in the Yangtze River Delta region of China. <i>Environmental Pollution</i> , <b>2017</b> , 230, 12-21	9.3	18
55	Source apportionment of volatile organic compounds: Implications to reactivity, ozone formation, and secondary organic aerosol potential. <i>Atmospheric Research</i> , <b>2021</b> , 249, 105344	5.4	18
54	Observation of aerosol number size distribution and new particle formation at a mountainous site in Southeast China. <i>Science of the Total Environment</i> , <b>2017</b> , 575, 309-320	10.2	17
53	First High-Resolution Emission Inventory of Levoglucosan for Biomass Burning and Non-Biomass Burning Sources in China. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 1497-1507	10.3	17
52	Size-segregated carbonaceous aerosols emission from typical vehicles and potential depositions in the human respiratory system. <i>Environmental Pollution</i> , <b>2020</b> , 264, 114705	9.3	16

51	Pyrolysis Routine of Organics and Parameter Optimization of Vacuum Gasification for Recovering Hazardous Waste Toner. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10038-10045	8.3	15
50	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> , <b>2014</b> , 14, 2017-2028	4.6	15
49	Size-segregated emission factors and health risks of PAHs from residential coal flaming/smoldering combustion. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 31793-31803	5.1	14
48	Chemical composition, mass closure and sources of atmospheric PM10 from industrial sites in Shenzhen, China. <i>Journal of Environmental Sciences</i> , <b>2013</b> , 25, 1626-35	6.4	14
47	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> , <b>2012</b> , 14, 852-65		14
46	Seasonal variation analysis of atmospheric CH4, N2O and CO2 in Tianjin offshore area. <i>Science China Earth Sciences</i> , <b>2010</b> , 53, 1205-1215	4.6	14
45	Spatial distribution and sources of winter black carbon and brown carbon in six Chinese megacities. <i>Science of the Total Environment</i> , <b>2021</b> , 762, 143075	10.2	14
44	Chemical Characterizations of PM10 Profiles for Major Emission Sources in Xining, Northwestern China. <i>Aerosol and Air Quality Research</i> , <b>2014</b> , 14, 1017-1027	4.6	12
43	Importance of regional PM transport and precipitation washout in heavy air pollution in the Twain-Hu Basin over Central China: Observational analysis and WRF-Chem simulation. <i>Science of the Total Environment</i> , <b>2021</b> , 758, 143710	10.2	12
42	Subway construction activity influence on polycyclic aromatic hydrocarbons in fine particles: Comparison with a background mountainous site. <i>Atmospheric Research</i> , <b>2015</b> , 161-162, 82-92	5.4	11
41	Temperature dependence of source profiles for volatile organic compounds from typical volatile emission sources. <i>Science of the Total Environment</i> , <b>2021</b> , 751, 141741	10.2	11
40	Sub-type source profiles of fine particles for fugitive dust and accumulative health risks of heavy metals: a case study in a fast-developing city of China. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 16554-16573	5.1	10
39	Efficient Vertical Transport of Black Carbon in the Planetary Boundary Layer. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088858	4.9	10
38	A 5.5-year observations of black carbon aerosol at a megacity in Central China: Levels, sources, and variation trends. <i>Atmospheric Environment</i> , <b>2020</b> , 232, 117581	5.3	8
37	Characterization and source identification of PM-bound polycyclic aromatic hydrocarbons in urban, suburban, and rural ambient air, central China during summer harvest. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 191, 110219	7	8
36	Fine particles from village air in northern China in winter: Large contribution of primary organic aerosols from residential solid fuel burning. <i>Environmental Pollution</i> , <b>2021</b> , 272, 116420	9.3	8
35	High daytime abundance of primary organic aerosols over Mt. Emei, Southwest China in summer. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 134475	10.2	7
34	Co-benefits of reducing PM2.5 and improving visibility by COVID-19 lockdown in Wuhan. <i>Npj Climate and Atmospheric Science</i> , <b>2021</b> , 4,	8	7

33	Variation of airborne DNA mass ratio and fungal diversity in fine particles with day-night difference during an entire winter haze evolution process of Central China. <i>Science of the Total Environment</i> , <b>2019</b> , 694, 133802	10.2	6
32	Closure Investigation on Cloud Condensation Nuclei Ability of Processed Anthropogenic Aerosols. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032680	4.4	6
31	Enhanced heating rate of black carbon above the planetary boundary layer over megacities in summertime. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 124003	6.2	6
30	Black Carbon Emission and Wet Scavenging From Surface to the Top of Boundary Layer Over Beijing Region. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033096	4.4	6
29	On the local anthropogenic source diversities and transboundary transport for urban agglomeration ozone mitigation. <i>Atmospheric Environment</i> , <b>2021</b> , 245, 118005	5.3	6
28	Effectiveness of emission control in reducing PM <sub>2.5</sub> pollution in central China during winter haze episodes under various potential synoptic controls. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 3143-3162	6.8	5
27	Ambient marine shipping emissions determined by vessel operation mode along the East China Sea. <i>Science of the Total Environment</i> , <b>2021</b> , 769, 144713	10.2	4
26	Direct Quantification of Droplet Activation of Ambient Black Carbon Under Water Supersaturation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034649	4.4	4
25	Initial Cost Barrier of Ammonia Control in Central China. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 14175-14184	4.4	4
24	Evolution of Aerosol Optical Properties from Wood Smoke in Real Atmosphere Influenced by Burning Phase and Solar Radiation. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 5677-5688	10.3	3
23	Evolution of Organic Aerosol From Wood Smoke Influenced by Burning Phase and Solar Radiation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034534	4.4	3
22	Optical properties closure and sources of size-resolved aerosol in Nanjing around summer harvest period. <i>Atmospheric Environment</i> , <b>2021</b> , 244, 118017	5.3	3
21	Real-time emission and stage-dependent emission factors/ratios of specific volatile organic compounds from residential biomass combustion in China. <i>Atmospheric Research</i> , <b>2021</b> , 248, 105189	5.4	3
20	Emission and spatialized health risks for trace elements from domestic coal burning in China.. <i>Environment International</i> , <b>2022</b> , 158, 107001	12.9	2
19	Reduced volatility of aerosols from surface emissions to the top of the planetary boundary layer. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 14749-14760	6.8	2
18	Impact of Inter-Regional Transport in a Low-Emission Scenario on PM <sub>2.5</sub> in Hubei Province, Central China. <i>Atmosphere</i> , <b>2021</b> , 12, 250	2.7	2
17	Characterization of reactive photoinduced species in rainwater. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 36368-36380	5.1	2
16	Neglected biomass burning emissions of air pollutants in China-views from the corncob burning test, emission estimation, and simulations. <i>Atmospheric Environment</i> , <b>2022</b> , 278, 119082	5.3	2

15	The toxicity emissions and spatialized health risks of heavy metals in PM <sub>2.5</sub> from biomass fuels burning. <i>Atmospheric Environment</i> , <b>2022</b> , 119178	5.3	2
14	Changes in the Distribution Pattern of PM <sub>2.5</sub> Pollution over Central China. <i>Remote Sensing</i> , <b>2021</b> , 13, 4855	5	1
13	Benefits of refined NH emission controls on PM mitigation in Central China. <i>Science of the Total Environment</i> , <b>2021</b> , 151957	10.2	1
12	Meteorological mechanism of regional PM transport building a receptor region for heavy air pollution over Central China. <i>Science of the Total Environment</i> , <b>2021</b> , 808, 151951	10.2	1
11	Aircraft measurements of black carbon in the boundary layer over the North China Plain <b>2018</b> ,		1
10	Source profiles and emission factors of organic and inorganic species in fine particles emitted from the ultra-low emission power plant and typical industries. <i>Science of the Total Environment</i> , <b>2021</b> , 789, 147966	10.2	1
9	Evolution of source attributed organic aerosols and gases in a megacity of central China. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 6937-6951	6.8	1
8	On-road emissions of fine particles and associated chemical components from motor vehicles in Wuhan, China.. <i>Environmental Research</i> , <b>2022</b> , 210, 112900	7.9	0
7	Hourly emission estimation of black carbon and brown carbon absorption from domestic coal burning in China. <i>Science of the Total Environment</i> , <b>2021</b> , 814, 151950	10.2	0
6	Aggravation effect of regional transport on wintertime PM <sub>2.5</sub> over the middle reaches of the Yangtze River under China's air pollutant emission reduction process. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 101111	4.5	0
5	Ambient observations indicating an increasing effectiveness of ammonia control in wintertime PM reduction in Central China.. <i>Science of the Total Environment</i> , <b>2022</b> , 153708	10.2	0
4	An Overlooked Source of Nanosized Lead Particles in the Atmosphere: Residential Honeycomb Briquette Combustion. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 129289	12.8	0
3	Trend reversal from source region to remote tropospheric NO columns. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 29, 15763	5.1	
2	Contrasting resistance of polycyclic aromatic hydrocarbons to atmospheric oxidation influenced by burning conditions.. <i>Environmental Research</i> , <b>2022</b> , 211, 113107	7.9	
1	Dwindling aromatic compounds in fine aerosols from chunk coal to honeycomb briquette combustion. <i>Science of the Total Environment</i> , <b>2022</b> , 838, 155971	10.2	