Ru-Jin Huang

List of Publications by Year
in descending order

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211 papers	13,730 citations	28274 55 h-index	26613 107 g-index
236 all docs	236 docs citations	236 times ranked	10265 citing authors

#	Article	IF	Citations
1	High secondary aerosol contribution to particulate pollution during haze events in China. Nature, 2014, 514, 218-222.	27.8	3,582
2	Severe haze in northern China: A synergy of anthropogenic emissions and atmospheric processes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8657-8666.	7.1	609
3	New insights into PM_{2.5} chemical composition and sources in two major cities in China during extreme haze events using aerosol mass spectrometry. Atmospheric Chemistry and Physics, 2016, 16, 3207-3225.	4.9	300
4	PM2.5-bound oxygenated PAHs, nitro-PAHs and parent-PAHs from the atmosphere of a Chinese megacity: Seasonal variation, sources and cancer risk assessment. Science of the Total Environment, 2014, 473-474, 77-87.	8.0	272
5	Global Survey of Antibiotic Resistance Genes in Air. Environmental Science & Technology, 2018, 52, 10975-10984.	10.0	227
6	Impact of city lockdown on the air quality of COVID-19-hit of Wuhan city. Science of the Total Environment, 2020, 742, 140556.	8.0	226
7	A possible pathway for rapid growth of sulfate during haze days in China. Atmospheric Chemistry and Physics, 2017, 17, 3301-3316.	4.9	193
8	Puzzling Haze Events in China During the Coronavirus (COVIDâ€19) Shutdown. Geophysical Research Letters, 2020, 47, e2020GL088533.	4.0	165
9	Fossil vs. non-fossil sources of fine carbonaceous aerosols in four Chinese cities during the extreme winter haze episode of 2013. Atmospheric Chemistry and Physics, 2015, 15, 1299-1312.	4.9	163
10	Long-term trend of O3 in a mega City (Shanghai), China: Characteristics, causes, and interactions with precursors. Science of the Total Environment, 2017, 603-604, 425-433.	8.0	152
11	Severe Pollution in China Amplified by Atmospheric Moisture. Scientific Reports, 2017, 7, 15760.	3.3	151
12	Occurrence, gas/particle partitioning and carcinogenic risk of polycyclic aromatic hydrocarbons and their oxygen and nitrogen containing derivatives in Xi'an, central China. Science of the Total Environment, 2015, 505, 814-822.	8.0	150
13	Spatial and seasonal variations of PM 2.5 mass and species during 2010 in Xi'an, China. Science of the Total Environment, 2015, 508, 477-487.	8.0	149
14	Brown Carbon Aerosol in Urban Xiâ€™an, Northwest China: The Composition and Light Absorption Properties. Environmental Science & Technology, 2018, 52, 6825-6833.	10.0	149
15	Gasoline cars produce more carbonaceous particulate matter than modern filter-equipped diesel cars. Scientific Reports, 2017, 7, 4926.	3.3	133
16	Two-stroke scooters are a dominant source of air pollution in many cities. Nature Communications, 2014, 5, 3749.	12.8	126
17	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. Environmental Science & Technology, 2018, 52, 10967-10974.	10.0	125
18	Mixing State of Black Carbon Aerosol in a Heavily Polluted Urban Area of China: Implications for Light Absorption Enhancement. Aerosol Science and Technology, 2014, 48, 689-697.	3.1	122

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19	Inter-annual variability of wintertime PM 2.5 chemical composition in Xi'an, China: Evidences of changing source emissions. Science of the Total Environment, 2016, 545-546, 546-555.	8.0	118
20	Emission characteristics of carbonaceous particles and trace gases from open burning of crop residues in China. Atmospheric Environment, 2015, 123, 399-406.	4.1	114
21	Characterization and source apportionment of organic aerosol using offline aerosol mass spectrometry. Atmospheric Measurement Techniques, 2016, 9, 23-39.	3.1	110
22	Particulate matters emitted from maize straw burning for winter heating in rural areas in Guanzhong Plain, China: Current emission and future reduction. Atmospheric Research, 2017, 184, 66-76.	4.1	109
23	Chemical profiles of urban fugitive dust PM2.5 samples in Northern Chinese cities. Science of the Total Environment, 2016, 569-570, 619-626.	8.0	104
24	Effect of heavy haze and aerosol pollution on rice and wheat productions in China. Scientific Reports, 2016, 6, 29612.	3.3	103
25	Variations in PM2.5, TSP, BC, and trace gases (NO2, SO2, and O3) between haze and non-haze episodes in winter over Xi'an, China. Atmospheric Environment, 2015, 112, 64-71.	4.1	96
26	Optical properties and possible sources of brown carbon in PM 2.5 over Xi'an, China. Atmospheric Environment, 2017, 150, 322-330.	4.1	96
27	Radiocarbon analysis of elemental and organic carbon in Switzerland during winter-smog episodes from 2008 to 2012 â€“ Part 1: Source apportionment and spatial variability. Atmospheric Chemistry and Physics, 2014, 14, 13551-13570.	4.9	89
28	Characterization of PM 2.5 in Guangzhou, China: uses of organic markers for supporting source apportionment. Science of the Total Environment, 2016, 550, 961-971.	8.0	89
29	Radiocarbon-Based Source Apportionment of Carbonaceous Aerosols at a Regional Background Site on Hainan Island, South China. Environmental Science & Technology, 2014, 48, 2651-2659.	10.0	87
30	Iodine emissions from the sea ice of the Weddell Sea. Atmospheric Chemistry and Physics, 2012, 12, 11229-11244.	4.9	83
31	Wintertime secondary organic aerosol formation in Beijingâ€“Tianjinâ€“Hebei (BTH): contributions of HONO sources and heterogeneous reactions. Atmospheric Chemistry and Physics, 2019, 19, 2343-2359.	4.9	83
32	Typical synoptic situations and their impacts on the wintertime air pollution in the Guanzhong basin, China. Atmospheric Chemistry and Physics, 2016, 16, 7373-7387.	4.9	82
33	PM2.5 from the Guanzhong Plain: Chemical composition and implications for emission reductions. Atmospheric Environment, 2016, 147, 458-469.	4.1	77
34	Concentration and sources of atmospheric nitrous acid (HONO) at an urban site in Western China. Science of the Total Environment, 2017, 593-594, 165-172.	8.0	75
35	Primary emissions versus secondary formation of fine particulate matter in the most polluted city (Shijiazhuang) in North China. Atmospheric Chemistry and Physics, 2019, 19, 2283-2298.	4.9	74
36	Water-Insoluble Organics Dominate Brown Carbon in Wintertime Urban Aerosol of China: Chemical Characteristics and Optical Properties. Environmental Science & Technology, 2020, 54, 7836-7847.	10.0	72

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37	Chemical composition and bioreactivity of PM2.5 during 2013 haze events in China. Atmospheric Environment, 2016, 126, 162-170.	4.1	71
38	Impact of crop field burning and mountains on heavy haze in the North China Plain: a case study. Atmospheric Chemistry and Physics, 2016, 16, 9675-9691.	4.9	69
39	Contributions of trans-boundary transport to summertime air quality in Beijing, China. Atmospheric Chemistry and Physics, 2017, 17, 2035-2051.	4.9	69
40	Long-term trends in visibility and impacts of aerosol composition on visibility impairment in Baoji, China. Atmospheric Research, 2014, 149, 88-95.	4.1	68
41	A Biomass Combustion Chamber: Design, Evaluation, and a Case Study of Wheat Straw Combustion Emission Tests. Aerosol and Air Quality Research, 2015, 15, 2104-2114.	2.1	68
42	Dicarboxylic acids, ketocarboxylic acids, Î±-dicarbonyls, fatty acids and benzoic acid in PM_{2.5} aerosol collected during CAREBeijing-2007: an effect of traffic restriction on air quality. Atmospheric Chemistry and Physics, 2015, 15, 3111-3123.	4.9	67
43	Characteristics of water-soluble organic nitrogen in fine particulate matter in the continental area of China. Atmospheric Environment, 2015, 106, 252-261.	4.1	67
44	In situ Fabrication of Î±-Bi2O3/(BiO)2CO3 Nanoplate Heterojunctions with Tunable Optical Property and Photocatalytic Activity. Scientific Reports, 2016, 6, 23435.	3.3	65
45	Contribution of regional transport to the black carbon aerosol during winter haze period in Beijing. Atmospheric Environment, 2016, 132, 11-18.	4.1	64
46	Summertime ozone formation in Xi'an and surrounding areas, China. Atmospheric Chemistry and Physics, 2016, 16, 4323-4342.	4.9	64
47	Atmospheric Analytical Chemistry. Analytical Chemistry, 2011, 83, 4649-4664.	6.5	62
48	Source apportionment of carbonaceous aerosols in Xi'an, China: insights from a full year of measurements of radiocarbon and the stable isotope ¹³C. Atmospheric Chemistry and Physics, 2018, 18, 16363-16383.	4.9	62
49	UHPLC-Orbitrap mass spectrometric characterization of organic aerosol from a central European city (Mainz, Germany) and a Chinese megacity (Beijing). Atmospheric Environment, 2018, 189, 22-29.	4.1	62
50	Spectral dependence of aerosol light absorption at an urban and a remote site over the Tibetan Plateau. Science of the Total Environment, 2017, 590-591, 14-21.	8.0	60
51	Chemical composition, sources and secondary processes of aerosols in Baoji city of northwest China. Atmospheric Environment, 2017, 158, 128-137.	4.1	60
52	Contributions of residential coal combustion to the air quality in Beijingâ€“Tianjinâ€“Hebei (BTH), China: a case study. Atmospheric Chemistry and Physics, 2018, 18, 10675-10691.	4.9	60
53	Hierarchical porous ZnWO4 microspheres synthesized by ultrasonic spray pyrolysis: Characterization, mechanistic and photocatalytic NO removal studies. Applied Catalysis A: General, 2016, 515, 170-178.	4.3	59
54	Extreme air pollution from residential solid fuel burning. Nature Sustainability, 2018, 1, 512-517.	23.7	59

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55	Black carbon aerosol characterization in a remote area of Qinghaiâ€“Tibetan Plateau, western China. Science of the Total Environment, 2014, 479-480, 151-158.	8.0	58
56	Characteristics and major sources of carbonaceous aerosols in PM 2.5 from Sanya, China. Science of the Total Environment, 2015, 530-531, 110-119.	8.0	58
57	Characteristics of carbonaceous particles from residential coal combustion and agricultural biomass burning in China. Atmospheric Pollution Research, 2017, 8, 521-527.	3.8	58
58	Impacts of meteorological uncertainties on the haze formation in Beijingâ€“Tianjinâ€“Hebei (BTH) during wintertime: a case study. Atmospheric Chemistry and Physics, 2017, 17, 14579-14591.	4.9	56
59	Seasonal variations of anhydrosugars in PM_{2.5} in the Pearl River Delta Region, China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 66, 22577.	1.6	55
60	Characterization and seasonal variations of levoglucosan in fine particulate matter in Xiâ€™an, China. Journal of the Air and Waste Management Association, 2014, 64, 1317-1327.	1.9	55
61	Black carbon aerosol in winter northeastern Qinghaiâ€“Tibetan Plateau, China: the source, mixing state and optical property. Atmospheric Chemistry and Physics, 2015, 15, 13059-13069.	4.9	55
62	Characteristics of wintertime VOCs in suburban and urban Beijing: concentrations, emission ratios, and festival effects. Atmospheric Chemistry and Physics, 2019, 19, 8021-8036.	4.9	55
63	Summertime and wintertime atmospheric processes of secondary aerosol in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 3793-3807.	4.9	55
64	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. Ecosystems, 2017, 20, 515-526.	3.4	54
65	Light absorption properties of brown carbon over the southeastern Tibetan Plateau. Science of the Total Environment, 2018, 625, 246-251.	8.0	54
66	Characterization of the light-absorbing properties, chromophore composition and sources of brown carbon aerosol in Xi'an, northwestern China. Atmospheric Chemistry and Physics, 2020, 20, 5129-5144.	4.9	54
67	In situ measurements of molecular iodine in the marine boundary layer: the link to macroalgae and the implications for O₃, IO, OIO and NO_x. Atmospheric Chemistry and Physics, 2010, 10, 4823-4833.	4.9	53
68	Size distribution and source of black carbon aerosol in urban Beijing during winter haze episodes. Atmospheric Chemistry and Physics, 2017, 17, 7965-7975.	4.9	53
69	Reconstruction of atmospheric soot history in inland regions from lake sediments over the past 150 years. Scientific Reports, 2016, 6, 19151.	3.3	52
70	Differing toxicity of ambient particulate matter (PM) in global cities. Atmospheric Environment, 2019, 212, 305-315.	4.1	51
71	Carbonaceous aerosols in megacity Xi'an, China: Implications of thermal/optical protocols comparison. Atmospheric Environment, 2016, 132, 58-68.	4.1	50
72	PM2.5 emissions and source profiles from open burning of crop residues. Atmospheric Environment, 2017, 169, 229-237.	4.1	50

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73	A new method for long-term source apportionment with time-dependent factor profiles and uncertainty assessment using SoFi Pro: application to 1 year of organic aerosol data. Atmospheric Measurement Techniques, 2021, 14, 923-943.	3.1	50
74	Physicochemical characteristics of black carbon aerosol and its radiative impact in a polluted urban area of China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,505.	3.3	49
75	Characterization of parent and oxygenated-polycyclic aromatic hydrocarbons (PAHs) in Xiâ€™an, China during heating period: An investigation of spatial distribution and transformation. Chemosphere, 2016, 159, 367-377.	8.2	49
76	Large contribution of fossil fuel derived secondary organic carbon to water soluble organic aerosols in winter haze in China. Atmospheric Chemistry and Physics, 2018, 18, 4005-4017.	4.9	49
77	Simulations of organic aerosol concentrations during springtime in the Guanzhong Basin, China. Atmospheric Chemistry and Physics, 2016, 16, 10045-10061.	4.9	48
78	Brown carbon aerosol in two megacities in the Sichuan Basin of southwestern China: Light absorption properties and implications. Science of the Total Environment, 2020, 719, 137483.	8.0	48
79	Impact of Meteorological Parameters and Gaseous Pollutants on PM2.5 and PM10 Mass Concentrations during 2010 in Xiâ€™an, China. Aerosol and Air Quality Research, 2015, 15, 1844-1854.	2.1	47
80	Development of a Coupled Diffusion Denuder System Combined with Gas Chromatography/Mass Spectrometry for the Separation and Quantification of Molecular Iodine and the Activated Iodine Compounds Iodine Monochloride and Hypoiodous Acid in the Marine Atmosphere. Analytical Chemistry, 2009, 81, 1777-1783.	6.5	46
81	Control of PM 2.5 in Guangzhou during the 16th Asian Games period: Implication for hazy weather prevention. Science of the Total Environment, 2015, 508, 57-66.	8.0	45
82	Radical Formation by Fine Particulate Matter Associated with Highly Oxygenated Molecules. Environmental Science & Technology, 2019, 53, 12506-12518.	10.0	45
83	Characterization of urban amine-containing particles in southwestern China: seasonal variation, source, and processing. Atmospheric Chemistry and Physics, 2019, 19, 3245-3255.	4.9	45
84	Effect of hydrolysis of N2O5 on nitrate and ammonium formation in Beijing China: WRF-Chem model simulation. Science of the Total Environment, 2017, 579, 221-229.	8.0	44
85	Organosulfates in atmospheric aerosol: synthesis and quantitative analysis of PM_{2.5} from Xi'an, northwestern China. Atmospheric Measurement Techniques, 2018, 11, 3447-3456.	3.1	44
86	Spatiotemporal distribution of carbonyl compounds in China. Environmental Pollution, 2015, 197, 316-324.	7.5	42
87	Distinctions in source regions and formation mechanisms of secondary aerosol in Beijing from summer to winter. Atmospheric Chemistry and Physics, 2019, 19, 10319-10334.	4.9	42
88	Seasonal variation, spatial distribution and source apportionment for polycyclic aromatic hydrocarbons (PAHs) at nineteen communities in Xi'an, China: The effects of suburban scattered emissions in winter. Environmental Pollution, 2017, 231, 1330-1343.	7.5	41
89	Impact of the COVID-19 pandemic and control measures on air quality and aerosol light absorption in Southwestern China. Science of the Total Environment, 2020, 749, 141419.	8.0	40
90	Direct analysis of mercury in Traditional Chinese Medicines using thermolysis coupled with on-line atomic absorption spectrometry. Talanta, 2006, 68, 728-734.	5.5	38

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91	Characteristics and sources of hourly elements in PM10 and PM2.5 during wintertime in Beijing. Environmental Pollution, 2021, 278, 116865.	7.5	38
92	Characterization, mixing state, and evolution of urban single particles in Xi'an (China) during wintertime haze days. Science of the Total Environment, 2016, 573, 937-945.	8.0	37
93	Determination of alkylamines in atmospheric aerosol particles: a comparison of gas chromatographyâ€“mass spectrometry and ion chromatography approaches. Atmospheric Measurement Techniques, 2014, 7, 2027-2035.	3.1	36
94	Black carbon aerosol and its radiative impact at a highâ€altitude remote site on the southeastern Tibet Plateau. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5515-5530.	3.3	36
95	Variation in Day-of-Week and Seasonal Concentrations of Atmospheric PM2.5-Bound Metals and Associated Health Risks in Bangkok, Thailand. Archives of Environmental Contamination and Toxicology, 2017, 72, 364-379.	4.1	35
96	Effects of photochemical oxidation on the mixing state and light absorption of black carbon in the urban atmosphere of China. Environmental Research Letters, 2017, 12, 044012.	5.2	35
97	Source characterization of urban particles from meat smoking activities in Chongqing, China using single particle aerosol mass spectrometry. Environmental Pollution, 2017, 228, 92-101.	7.5	35
98	Water adsorption and hygroscopic growth of six anemophilous pollen species: the effect of temperature. Atmospheric Chemistry and Physics, 2019, 19, 2247-2258.	4.9	35
99	Molecular Characterization and Source Identification of Atmospheric Particulate Organosulfates Using Ultrahigh Resolution Mass Spectrometry. Environmental Science & Technology, 2019, 53, 6192-6202.	10.0	34
100	Contrasting sources and processes of particulate species in haze days with low and high relative humidity in wintertime Beijing. Atmospheric Chemistry and Physics, 2020, 20, 9101-9114.	4.9	34
101	Characterization of anthropogenic organic aerosols by TOF-ACSM with the new capture vaporizer. Atmospheric Measurement Techniques, 2020, 13, 2457-2472.	3.1	33
102	Sea-spray regulates sulfate cloud droplet activation over oceans. Npj Climate and Atmospheric Science, 2020, 3, .	6.8	32
103	Size distribution and mixing state of refractory black carbon aerosol from a coastal city in South China. Atmospheric Research, 2016, 181, 163-171.	4.1	31
104	Characterization of Primary Organic Aerosol from Domestic Wood, Peat, and Coal Burning in Ireland. Environmental Science & Technology, 2017, 51, 10624-10632.	10.0	31
105	Predominance of secondary organic aerosol to particle-bound reactive oxygen species activity in fine ambient aerosol. Atmospheric Chemistry and Physics, 2019, 19, 14703-14720.	4.9	31
106	Brown Carbon in Primary and Aged Coal Combustion Emission. Environmental Science & Technology, 2021, 55, 5701-5710.	10.0	31
107	Seasonal variations of monocarbonyl and dicarbonyl in urban and sub-urban sites of Xiâ€™an, China. Environmental Monitoring and Assessment, 2014, 186, 2835-2849.	2.7	30
108	Retrieving historical ambient PM2.5 concentrations using existing visibility measurements in Xi'an, Northwest China. Atmospheric Environment, 2016, 126, 15-20.	4.1	30

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109	Characterization of Gas-Phase Organics Using Proton Transfer Reaction Time-of-Flight Mass Spectrometry: Residential Coal Combustion. Environmental Science & Technology, 2018, 52, 2612-2617.	10.0	30
110	Mercury stable isotope compositions of Chinese urban fine particulates in winter haze days: Implications for Hg sources and transformations. Chemical Geology, 2019, 504, 267-275.	3.3	30
111	Observations of high concentrations of I₂ and IO in coastal air supporting iodineâ€oxide driven coastal new particle formation. Geophysical Research Letters, 2010, 37, .	4.0	29
112	A study of elevated pollution layer over the North China Plain using aircraft measurements. Atmospheric Environment, 2018, 190, 188-194.	4.1	29
113	Sea spray as an obscured source for marine cloud nuclei. Nature Geoscience, 2022, 15, 282-286.	12.9	27
114	Indoor secondary organic aerosols formation from ozonolysis of monoterpene: An example of d-limonene with ammonia and potential impacts on pulmonary inflammations. Science of the Total Environment, 2017, 579, 212-220.	8.0	26
115	A 10-year observation of PM2.5-bound nickel in Xiâ€™an, China: Effects of source control on its trend and associated health risks. Scientific Reports, 2017, 7, 41132.	3.3	26
116	Characterization of the chemical components and bioreactivity of fine particulate matter produced during crop-residue burning in China. Environmental Pollution, 2019, 245, 226-234.	7.5	26
117	Chemical nature and sources of fine particles in urban Beijing: Seasonality and formation mechanisms. Environment International, 2020, 140, 105732.	10.0	26
118	Effects of NH3 and alkaline metals on the formation of particulate sulfate and nitrate in wintertime Beijing. Science of the Total Environment, 2020, 717, 137190.	8.0	26
119	Chemical composition of PM2.5 at a highâ€“altitude regional background site over Northeast of Tibet Plateau. Atmospheric Pollution Research, 2015, 6, 815-823.	3.8	25
120	The rural carbonaceous aerosols in coarse, fine, and ultrafine particles during haze pollution in northwestern China. Environmental Science and Pollution Research, 2016, 23, 4569-4575.	5.3	25
121	Urban organic aerosol composition in eastern China differs from north to south: molecular insight from a liquid chromatographyâ€“mass spectrometry (Orbitrap) study. Atmospheric Chemistry and Physics, 2021, 21, 9089-9104.	4.9	25
122	Enhanced Nitrite Production from the Aqueous Photolysis of Nitrate in the Presence of Vanillic Acid and Implications for the Roles of Light-Absorbing Organics. Environmental Science & Technology, 2021, 55, 15694-15704.	10.0	25
123	Characteristics of Organic and Elemental Carbon in PM2.5 and PM0.25 in Indoor and Outdoor Environments of a Middle School: Secondary Formation of Organic Carbon and Sources Identification. Atmosphere, 2015, 6, 361-379.	2.3	24
124	Characteristics and potential exposure risks of environmentally persistent free radicals in PM2.5 in the three gorges reservoir area, Southwestern China. Chemosphere, 2020, 252, 126425.	8.2	24
125	Does iodine gas released from seaweed contribute to dietary iodine intake?. Environmental Geochemistry and Health, 2011, 33, 389-397.	3.4	23
126	Indoor air quality at five site museums of Yangtze River civilization. Atmospheric Environment, 2015, 123, 449-454.	4.1	23

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127	Chemical characteristics of airborne particles in Xi'an, inland China during dust storm episodes: Implications for heterogeneous formation of ammonium nitrate and enhancement of N-deposition. Environmental Pollution, 2019, 244, 877-884.	7.5	23
128	The optical properties of urban aerosol in northern China: A case study at Xi'an. Atmospheric Research, 2015, 160, 59-67.	4.1	22
129	Urban dust in the Guanzhong basin of China, part II: A case study of urban dust pollution using the WRF-Dust model. Science of the Total Environment, 2016, 541, 1614-1624.	8.0	22
130	Urban dust in the Guanzhong Basin of China, part I: A regional distribution of dust sources retrieved using satellite data. Science of the Total Environment, 2016, 541, 1603-1613.	8.0	22
131	Characterizing the composition and evolution of and urban particles in Chongqing (China) during summertime. Atmospheric Research, 2017, 187, 84-94.	4.1	22
132	Application of mass spectrometric techniques for the trace analysis of short-lived iodine-containing volatiles emitted by seaweed. Analytical and Bioanalytical Chemistry, 2012, 402, 3345-3357.	3.7	21
133	Terpenoid composition and chemotaxonomic aspects of Miocene amber from the Koroglu Mountains, Turkey. Journal of Analytical and Applied Pyrolysis, 2014, 105, 100-107.	5.5	21
134	Variation in black carbon concentration and aerosol optical properties in Beijing: Role of emission control and meteorological transport variability. Chemosphere, 2020, 254, 126849.	8.2	21
135	A study of the morphology and effective density of externally mixed black carbon aerosols in ambient air using a size-resolved single-particle soot photometer (SP2). Atmospheric Measurement Techniques, 2019, 12, 4347-4359.	3.1	20
136	Secondary Organic Aerosol Formation of Fleet Vehicle Emissions in China: Potential Seasonality of Spatial Distributions. Environmental Science & Technology, 2021, 55, 7276-7286.	10.0	20
137	Quantification of solid fuel combustion and aqueous chemistry contributions to secondary organic aerosol during wintertime haze events in Beijing. Atmospheric Chemistry and Physics, 2021, 21, 9859-9886.	4.9	20
138	Polycyclic aromatic hydrocarbons from cooking emissions. Science of the Total Environment, 2022, 818, 151700.	8.0	20
139	Chromophoric Fingerprinting of Brown Carbon from Residential Biomass Burning. Environmental Science and Technology Letters, 2022, 9, 102-111.	8.7	20
140	Aerosol hygroscopicity and its link to chemical composition in the coastal atmosphere of Mace Head: marine and continental air masses. Atmospheric Chemistry and Physics, 2020, 20, 3777-3791.	4.9	19
141	The formation and evolution of secondary organic aerosol during summer in Xi'an: Aqueous phase processing in fog-rain days. Science of the Total Environment, 2021, 756, 144077.	8.0	19
142	Enhanced formation of secondary organic aerosol from photochemical oxidation during the COVID-19 lockdown in a background site in Northwest China. Science of the Total Environment, 2021, 778, 144947.	8.0	19
143	Highly time-resolved measurements of element concentrations in PM₁₀ and PM_{2.5}: comparison of Delhi, Beijing, London, and Krakow. Atmospheric Chemistry and Physics, 2021, 21, 717-730.	4.9	19
144	The seaweeds <i>Fucus vesiculosus</i> and <i>Ascophyllum nodosum</i> are significant contributors to coastal iodine emissions. Atmospheric Chemistry and Physics, 2013, 13, 5255-5264.	4.9	18

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145	Azaarenes in fine particulate matter from the atmosphere of a Chinese megacity. Environmental Science and Pollution Research, 2016, 23, 16025-16036.	5.3	18
146	Impacts of methanesulfonate on the cloud condensation nucleation activity of sea salt aerosol. Atmospheric Environment, 2019, 201, 13-17.	4.1	18
147	Light absorption of brown carbon in PM2.5 in the Three Gorges Reservoir region, southwestern China: Implications of biomass burning and secondary formation. Atmospheric Environment, 2020, 229, 117409.	4.1	18
148	Measurement report: PM_{2.5}-bound nitrated aromatic compounds in Xi'an, Northwest China â€“ seasonal variations and contributions to optical properties of brown carbon. Atmospheric Chemistry and Physics, 2021, 21, 3685-3697.	4.9	18
149	Effect of source variation on the size and mixing state of black carbon aerosol in urban Beijing from 2013 to 2019: Implication on light absorption. Environmental Pollution, 2021, 270, 116089.	7.5	17
150	Measurement report: dual-carbon isotopic characterization of carbonaceous aerosol reveals different primary and secondary sources in Beijing and Xi'an during severe haze events. Atmospheric Chemistry and Physics, 2020, 20, 16041-16053.	4.9	17
151	Extensive Evaluation of a Diffusion Denuder Technique for the Quantification of Atmospheric Stable and Radioactive Molecular Iodine. Environmental Science & Technology, 2010, 44, 5061-5066.	10.0	16
152	Interactions of organosulfates with water vapor under sub- and supersaturated conditions. Atmospheric Chemistry and Physics, 2021, 21, 7135-7148.	4.9	16
153	Seasonal variations in the sources of organic aerosol in Xi'an, Northwest China: The importance of biomass burning and secondary formation. Science of the Total Environment, 2020, 737, 139666.	8.0	16
154	Single particle characterization of summertime particles in Xi'an (China). Science of the Total Environment, 2018, 636, 1279-1290.	8.0	15
155	Determination of n-alkanes, polycyclic aromatic hydrocarbons and hopanes in atmospheric aerosol: evaluation and comparison of thermal desorption GC-MS and solvent extraction GC-MS approaches. Atmospheric Measurement Techniques, 2019, 12, 4779-4789.	3.1	15
156	Sources and formation of carbonaceous aerosols in Xi'an, China: primary emissions and secondary formation constrained by radiocarbon. Atmospheric Chemistry and Physics, 2019, 19, 15609-15628.	4.9	15
157	An analytical study of bioaccumulation and the binding forms of mercury in rat body using thermolysis coupled with atomic absorption spectrometry. Analytica Chimica Acta, 2005, 538, 313-321.	5.4	14
158	Application of Time-of-Flight Aerosol Mass Spectrometry for the Online Measurement of Gaseous Molecular Iodine. Analytical Chemistry, 2012, 84, 1439-1445.	6.5	14
159	Biomass burning influences determination based on PM 2.5 chemical composition combined with fire counts at southeastern Tibetan Plateau during pre-monsoon period. Atmospheric Research, 2018, 206, 108-116.	4.1	14
160	Identification of secondary aerosol precursors emitted by an aircraft turbofan. Atmospheric Chemistry and Physics, 2018, 18, 7379-7391.	4.9	14
161	The roles of aqueous-phase chemistry and photochemical oxidation in oxygenated organic aerosols formation. Atmospheric Environment, 2021, 266, 118738.	4.1	14
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