

Ru-Jin Huang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

210
papers

9,601
citations

48
h-index

91
g-index

236
ext. papers

11,873
ext. citations

7.2
avg, IF

6.07
L-index

#	Paper	IF	Citations
210	High secondary aerosol contribution to particulate pollution during haze events in China. <i>Nature</i> , 2014 , 514, 218-22	50.4	2713
209	Severe haze in northern China: A synergy of anthropogenic emissions and atmospheric processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8657-8666	11.5	366
208	New insights into PM _{2.5} chemical composition and sources in two major cities in China during extreme haze events using aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3207-3225	6.8	236
207	PM _{2.5} bound oxygenated PAHs, nitro-PAHs and parent-PAHs from the atmosphere of a Chinese megacity: seasonal variation, sources and cancer risk assessment. <i>Science of the Total Environment</i> , 2014 , 473-474, 77-87	10.2	227
206	A possible pathway for rapid growth of sulfate during haze days in China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 3301-3316	6.8	142
205	Global Survey of Antibiotic Resistance Genes in Air. <i>Environmental Science & Technology</i> , 2018 , 52, 10975-10984	10.3	138
204	Impact of city lockdown on the air quality of COVID-19-hit of Wuhan city. <i>Science of the Total Environment</i> , 2020 , 742, 140556	10.2	135
203	Fossil vs. non-fossil sources of fine carbonaceous aerosols in four Chinese cities during the extreme winter haze episode of 2013. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1299-1312	6.8	129
202	Spatial and seasonal variations of PM _{2.5} mass and species during 2010 in Xi'an, China. <i>Science of the Total Environment</i> , 2015 , 508, 477-87	10.2	125
201	Severe Pollution in China Amplified by Atmospheric Moisture. <i>Scientific Reports</i> , 2017 , 7, 15760	4.9	122
200	Occurrence, gas/particle partitioning and carcinogenic risk of polycyclic aromatic hydrocarbons and their oxygen and nitrogen containing derivatives in Xi'an, central China. <i>Science of the Total Environment</i> , 2015 , 505, 814-22	10.2	112
199	Long-term trend of O in a mega City (Shanghai), China: Characteristics, causes, and interactions with precursors. <i>Science of the Total Environment</i> , 2017 , 603-604, 425-433	10.2	111
198	Two-stroke scooters are a dominant source of air pollution in many cities. <i>Nature Communications</i> , 2014 , 5, 3749	17.4	103
197	Mixing State of Black Carbon Aerosol in a Heavily Polluted Urban Area of China: Implications for Light Absorption Enhancement. <i>Aerosol Science and Technology</i> , 2014 , 48, 689-697	3.4	100
196	Puzzling haze events in China during the coronavirus (COVID-19) shutdown. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088533	4.9	99
195	Emission characteristics of carbonaceous particles and trace gases from open burning of crop residues in China. <i>Atmospheric Environment</i> , 2015 , 123, 399-406	5.3	95
194	Gasoline cars produce more carbonaceous particulate matter than modern filter-equipped diesel cars. <i>Scientific Reports</i> , 2017 , 7, 4926	4.9	92

193	Inter-annual variability of wintertime PM _{2.5} chemical composition in Xi'an, China: Evidences of changing source emissions. <i>Science of the Total Environment</i> , 2016 , 545-546, 546-55	10.2	87
192	Characterization and source apportionment of organic aerosol using offline aerosol mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 23-39	4	86
191	Brown Carbon Aerosol in Urban Xi'an, Northwest China: The Composition and Light Absorption Properties. <i>Environmental Science & Technology</i> , 2018 , 52, 6825-6833	10.3	86
190	Variations in PM _{2.5} , TSP, BC, and trace gases (NO ₂ , SO ₂ , and O ₃) between haze and non-haze episodes in winter over Xi'an, China. <i>Atmospheric Environment</i> , 2015 , 112, 64-71	5.3	82
189	Effect of heavy haze and aerosol pollution on rice and wheat productions in China. <i>Scientific Reports</i> , 2016 , 6, 29612	4.9	80
188	Particulate matters emitted from maize straw burning for winter heating in rural areas in Guanzhong Plain, China: Current emission and future reduction. <i>Atmospheric Research</i> , 2017 , 184, 66-76	5.4	79
187	Chemical profiles of urban fugitive dust PM _{2.5} samples in Northern Chinese cities. <i>Science of the Total Environment</i> , 2016 , 569-570, 619-626	10.2	78
186	Radiocarbon analysis of elemental and organic carbon in Switzerland during winter-smog episodes from 2008 to 2012 [Part 1: Source apportionment and spatial variability. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 13551-13570	6.8	74
185	Radiocarbon-based source apportionment of carbonaceous aerosols at a regional background site on Hainan Island, South China. <i>Environmental Science & Technology</i> , 2014 , 48, 2651-9	10.3	73
184	Characterization of PM _{2.5} in Guangzhou, China: uses of organic markers for supporting source apportionment. <i>Science of the Total Environment</i> , 2016 , 550, 961-971	10.2	70
183	Iodine emissions from the sea ice of the Weddell Sea. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 11229-11249	5.8	69
182	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. <i>Environmental Science & Technology</i> , 2018 , 52, 10967-10974	10.3	68
181	Wintertime secondary organic aerosol formation in Beijing-Tianjin-Hebei (BTH): contributions of HONO sources and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2343-2359	6.8	60
180	Optical properties and possible sources of brown carbon in PM _{2.5} over Xi'an, China. <i>Atmospheric Environment</i> , 2017 , 150, 322-330	5.3	58
179	Contributions of trans-boundary transport to summertime air quality in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 2035-2051	6.8	58
178	Typical synoptic situations and their impacts on the wintertime air pollution in the Guanzhong basin, China. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 7373-7387	6.8	57
177	A Biomass Combustion Chamber: Design, Evaluation, and a Case Study of Wheat Straw Combustion Emission Tests. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 2104-2114	4.6	56
176	Chemical composition and bioreactivity of PM _{2.5} during 2013 haze events in China. <i>Atmospheric Environment</i> , 2016 , 126, 162-170	5.3	53

175	Impact of crop field burning and mountains on heavy haze in the North China Plain: a case study. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9675-9691	6.8	52
174	Long-term trends in visibility and impacts of aerosol composition on visibility impairment in Baoji, China. <i>Atmospheric Research</i> , 2014 , 149, 88-95	5.4	52
173	Dicarboxylic acids, ketocarboxylic acids, dicarbonyls, fatty acids and benzoic acid in PM _{2.5} aerosol collected during CAREBeijing-2007: an effect of traffic restriction on air quality. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3111-3123	6.8	52
172	Seasonal variations of anhydrosugars in PM _{2.5} in the Pearl River Delta Region, China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2014 , 66, 22577	3.3	52
171	Atmospheric analytical chemistry. <i>Analytical Chemistry</i> , 2011 , 83, 4649-64	7.8	52
170	In situ Fabrication of Bi ₂ O ₃ /(BiO) ₂ CO ₃ Nanoplate Heterojunctions with Tunable Optical Property and Photocatalytic Activity. <i>Scientific Reports</i> , 2016 , 6, 23435	4.9	51
169	Characterization and seasonal variations of levoglucosan in fine particulate matter in Xi'an, China. <i>Journal of the Air and Waste Management Association</i> , 2014 , 64, 1317-27	2.4	51
168	Characteristics and major sources of carbonaceous aerosols in PM _{2.5} from Sanya, China. <i>Science of the Total Environment</i> , 2015 , 530-531, 110-119	10.2	50
167	Hierarchical porous ZnWO ₄ microspheres synthesized by ultrasonic spray pyrolysis: Characterization, mechanistic and photocatalytic NO removal studies. <i>Applied Catalysis A: General</i> , 2016 , 515, 170-178	5.1	50
166	Concentration and sources of atmospheric nitrous acid (HONO) at an urban site in Western China. <i>Science of the Total Environment</i> , 2017 , 593-594, 165-172	10.2	49
165	PM _{2.5} from the Guanzhong Plain: Chemical composition and implications for emission reductions. <i>Atmospheric Environment</i> , 2016 , 147, 458-469	5.3	49
164	Contribution of regional transport to the black carbon aerosol during winter haze period in Beijing. <i>Atmospheric Environment</i> , 2016 , 132, 11-18	5.3	49
163	Black carbon aerosol characterization in a remote area of Qinghai-Tibetan Plateau, western China. <i>Science of the Total Environment</i> , 2014 , 479-480, 151-8	10.2	48
162	Summertime ozone formation in Xi'an and surrounding areas, China. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4323-4342	6.8	46
161	Characteristics of water-soluble organic nitrogen in fine particulate matter in the continental area of China. <i>Atmospheric Environment</i> , 2015 , 106, 252-261	5.3	46
160	In situ measurements of molecular iodine in the marine boundary layer: the link to macroalgae and the implications for O ₃ , IO, OIO and NO _x . <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 4823-4833	6.8	46
159	Spectral dependence of aerosol light absorption at an urban and a remote site over the Tibetan Plateau. <i>Science of the Total Environment</i> , 2017 , 590-591, 14-21	10.2	43
158	Chemical composition, sources and secondary processes of aerosols in Baoji city of northwest China. <i>Atmospheric Environment</i> , 2017 , 158, 128-137	5.3	43

157	Primary emissions versus secondary formation of fine particulate matter in the most polluted city (Shijiazhuang) in North China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2283-2298	6.8	43
156	Contributions of residential coal combustion to the air quality in Beijing-Tianjin-Hebei (BTH), China: a case study. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10675-10691	6.8	41
155	Control of PM _{2.5} in Guangzhou during the 16th Asian Games period: implication for hazy weather prevention. <i>Science of the Total Environment</i> , 2015 , 508, 57-66	10.2	40
154	Characterization of parent and oxygenated-polycyclic aromatic hydrocarbons (PAHs) in Xi'an, China during heating period: An investigation of spatial distribution and transformation. <i>Chemosphere</i> , 2016 , 159, 367-377	8.4	40
153	Black carbon aerosol in winter northeastern Qinghai-Tibetan Plateau, China: the source, mixing state and optical property. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13059-13069	6.8	40
152	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. <i>Analytical Chemistry</i> , 2019 , 91, 1777-1783	7.8	40
151	Source apportionment of carbonaceous aerosols in Xi'an, China: insights from a full year of measurements of radiocarbon and the stable isotope ¹³ C. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 16363-16383	6.8	38
150	UHPLC-Orbitrap mass spectrometric characterization of organic aerosol from a central European city (Mainz, Germany) and a Chinese megacity (Beijing). <i>Atmospheric Environment</i> , 2018 , 189, 22-29	5.3	38
149	Characteristics of carbonaceous particles from residential coal combustion and agricultural biomass burning in China. <i>Atmospheric Pollution Research</i> , 2017 , 8, 521-527	4.5	37
148	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. <i>Ecosystems</i> , 2017 , 20, 515-526	3.9	37
147	Simulations of organic aerosol concentrations during springtime in the Guanzhong Basin, China. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 10045-10061	6.8	36
146	Impacts of meteorological uncertainties on the haze formation in Beijing-Tianjin-Hebei (BTH) during wintertime: a case study. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 14579-14591	6.8	36
145	Direct analysis of mercury in Traditional Chinese Medicines using thermolysis coupled with on-line atomic absorption spectrometry. <i>Talanta</i> , 2006 , 68, 728-34	6.2	36
144	Light absorption properties of brown carbon over the southeastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2018 , 625, 246-251	10.2	33
143	Size distribution and source of black carbon aerosol in urban Beijing during winter haze episodes. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7965-7975	6.8	33
142	Impact of Meteorological Parameters and Gaseous Pollutants on PM _{2.5} and PM ₁₀ Mass Concentrations during 2010 in Xi'an, China. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 1844-1854	4.6	33
141	Physicochemical characteristics of black carbon aerosol and its radiative impact in a polluted urban area of China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 12,505-12,519	4.4	33
140	Large contribution of fossil fuel derived secondary organic carbon to water soluble organic aerosols in winter haze in China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4005-4017	6.8	32

139	Carbonaceous aerosols in megacity Xi'an, China: Implications of thermal/optical protocols comparison. <i>Atmospheric Environment</i> , 2016 , 132, 58-68	5.3	32
138	Organosulfates in atmospheric aerosol: synthesis and quantitative analysis of PM _{2.5} from Xi'an, northwestern China. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 3447-3456	4	32
137	Extreme air pollution from residential solid fuel burning. <i>Nature Sustainability</i> , 2018 , 1, 512-517	22.1	31
136	Radical Formation by Fine Particulate Matter Associated with Highly Oxygenated Molecules. <i>Environmental Science & Technology</i> , 2019 , 53, 12506-12518	10.3	30
135	Distinctions in source regions and formation mechanisms of secondary aerosol in Beijing from summer to winter. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10319-10334	6.8	30
134	PM _{2.5} emissions and source profiles from open burning of crop residues. <i>Atmospheric Environment</i> , 2017 , 169, 229-237	5.3	29
133	Characteristics of wintertime VOCs in suburban and urban Beijing: concentrations, emission ratios, and festival effects. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8021-8036	6.8	28
132	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. <i>Environmental Pollution</i> , 2017 , 231, 1330-1343	9.3	28
131	Effect of hydrolysis of NO on nitrate and ammonium formation in Beijing China: WRF-Chem model simulation. <i>Science of the Total Environment</i> , 2017 , 579, 221-229	10.2	27
130	Water adsorption and hygroscopic growth of six anemophilous pollen species: the effect of temperature. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2247-2258	6.8	27
129	Determination of alkylamines in atmospheric aerosol particles: a comparison of gas chromatography-mass spectrometry and ion chromatography approaches. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 2027-2035	4	27
128	Observations of high concentrations of I ₂ and IO in coastal air supporting iodine-oxide driven coastal new particle formation. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	27
127	Source characterization of urban particles from meat smoking activities in Chongqing, China using single particle aerosol mass spectrometry. <i>Environmental Pollution</i> , 2017 , 228, 92-101	9.3	26
126	Seasonal variations of monocarbonyl and dicarbonyl in urban and sub-urban sites of Xi'an, China. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 2835-49	3.1	26
125	Characterization, mixing state, and evolution of urban single particles in Xi'an (China) during wintertime haze days. <i>Science of the Total Environment</i> , 2016 , 573, 937-945	10.2	26
124	Summertime and wintertime atmospheric processes of secondary aerosol in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3793-3807	6.8	26
123	Differing toxicity of ambient particulate matter (PM) in global cities. <i>Atmospheric Environment</i> , 2019 , 212, 305-315	5.3	25
122	Characterization of the light-absorbing properties, chromophore composition and sources of brown carbon aerosol in Xi'an, northwestern China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5129-5144	6.8	25

121	Brown carbon aerosol in two megacities in the Sichuan Basin of southwestern China: Light absorption properties and implications. <i>Science of the Total Environment</i> , 2020 , 719, 137483	10.2	25
120	Spatiotemporal distribution of carbonyl compounds in China. <i>Environmental Pollution</i> , 2015 , 197, 316-324	9.3	25
119	Reconstruction of atmospheric soot history in inland regions from lake sediments over the past 150 years. <i>Scientific Reports</i> , 2016 , 6, 19151	4.9	25
118	Retrieving historical ambient PM _{2.5} concentrations using existing visibility measurements in Xi'an, Northwest China. <i>Atmospheric Environment</i> , 2016 , 126, 15-20	5.3	24
117	Variation in Day-of-Week and Seasonal Concentrations of Atmospheric PM-Bound Metals and Associated Health Risks in Bangkok, Thailand. <i>Archives of Environmental Contamination and Toxicology</i> , 2017 , 72, 364-379	3.2	23
116	Black carbon aerosol and its radiative impact at a high-altitude remote site on the southeastern Tibet Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 5515-5530	4.4	23
115	Characterization of Gas-Phase Organics Using Proton Transfer Reaction Time-of-Flight Mass Spectrometry: Residential Coal Combustion. <i>Environmental Science & Technology</i> , 2018 , 52, 2612-2617	10.3	23
114	Water-Insoluble Organics Dominate Brown Carbon in Wintertime Urban Aerosol of China: Chemical Characteristics and Optical Properties. <i>Environmental Science & Technology</i> , 2020 , 54, 7836-7847	10.3	22
113	Does iodine gas released from seaweed contribute to dietary iodine intake?. <i>Environmental Geochemistry and Health</i> , 2011 , 33, 389-97	4.7	22
112	Size distribution and mixing state of refractory black carbon aerosol from a coastal city in South China. <i>Atmospheric Research</i> , 2016 , 181, 163-171	5.4	22
111	A 10-year observation of PM-bound nickel in Xi'an, China: Effects of source control on its trend and associated health risks. <i>Scientific Reports</i> , 2017 , 7, 41132	4.9	21
110	Effects of photochemical oxidation on the mixing state and light absorption of black carbon in the urban atmosphere of China. <i>Environmental Research Letters</i> , 2017 , 12, 044012	6.2	21
109	Characterization of urban amine-containing particles in southwestern China: seasonal variation, source, and processing. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 3245-3255	6.8	21
108	A study of elevated pollution layer over the North China Plain using aircraft measurements. <i>Atmospheric Environment</i> , 2018 , 190, 188-194	5.3	21
107	Molecular Characterization and Source Identification of Atmospheric Particulate Organosulfates Using Ultrahigh Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2019 , 53, 6192-6202	10.3	20
106	Characterization of Primary Organic Aerosol from Domestic Wood, Peat, and Coal Burning in Ireland. <i>Environmental Science & Technology</i> , 2017 , 51, 10624-10632	10.3	20
105	Impact of the COVID-19 pandemic and control measures on air quality and aerosol light absorption in Southwestern China. <i>Science of the Total Environment</i> , 2020 , 749, 141419	10.2	20
104	Characterization of the chemical components and bioreactivity of fine particulate matter produced during crop-residue burning in China. <i>Environmental Pollution</i> , 2019 , 245, 226-234	9.3	20

103	The optical properties of urban aerosol in northern China: A case study at Xi'an. <i>Atmospheric Research</i> , 2015 , 160, 59-67	5.4	19
102	The rural carbonaceous aerosols in coarse, fine, and ultrafine particles during haze pollution in northwestern China. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 4569-75	5.1	19
101	Indoor secondary organic aerosols formation from ozonolysis of monoterpene: An example of d-limonene with ammonia and potential impacts on pulmonary inflammations. <i>Science of the Total Environment</i> , 2017 , 579, 212-220	10.2	18
100	Chemical composition of PM _{2.5} at a high-altitude regional background site over Northeast of Tibet Plateau. <i>Atmospheric Pollution Research</i> , 2015 , 6, 815-823	4.5	18
99	The seaweeds <i>Fucus vesiculosus</i> and <i>Ascophyllum nodosum</i> are significant contributors to coastal iodine emissions. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5255-5264	6.8	18
98	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. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 923-943	4	18
97	Characterizing the composition and evolution of urban particles in Chongqing (China) during summertime. <i>Atmospheric Research</i> , 2017 , 187, 84-94	5.4	17
96	Sea-spray regulates sulfate cloud droplet activation over oceans. <i>Npj Climate and Atmospheric Science</i> , 2020 , 3,	8	17
95	Characterization of anthropogenic organic aerosols by TOF-ACSM with the new capture vaporizer. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 2457-2472	4	17
94	Terpenoid composition and chemotaxonomic aspects of Miocene amber from the Koroglu Mountains, Turkey. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 105, 100-107	6	17
93	Application of mass spectrometric techniques for the trace analysis of short-lived iodine-containing volatiles emitted by seaweed. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 3345-57	4.4	17
92	Contrasting sources and processes of particulate species in haze days with low and high relative humidity in wintertime Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9101-9114	6.8	17
91	Characteristics and sources of hourly elements in PM and PM during wintertime in Beijing. <i>Environmental Pollution</i> , 2021 , 278, 116865	9.3	16
90	Indoor air quality at five site museums of Yangtze River civilization. <i>Atmospheric Environment</i> , 2015 , 123, 449-454	5.3	15
89	Characteristics and potential exposure risks of environmentally persistent free radicals in PM in the three gorges reservoir area, Southwestern China. <i>Chemosphere</i> , 2020 , 252, 126425	8.4	15
88	Urban dust in the Guanzhong Basin of China, part I: A regional distribution of dust sources retrieved using satellite data. <i>Science of the Total Environment</i> , 2016 , 541, 1603-1613	10.2	15
87	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). <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4347-4359	4	15
86	Predominance of secondary organic aerosol to particle-bound reactive oxygen species activity in fine ambient aerosol. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14703-14720	6.8	15

85	Characteristics of Organic and Elemental Carbon in PM _{2.5} and PM _{0.25} in Indoor and Outdoor Environments of a Middle School: Secondary Formation of Organic Carbon and Sources Identification. <i>Atmosphere</i> , 2015 , 6, 361-379	2.7	14
84	Extensive evaluation of a diffusion denuder technique for the quantification of atmospheric stable and radioactive molecular iodine. <i>Environmental Science & Technology</i> , 2010 , 44, 5061-6	10.3	14
83	Azaarenes in fine particulate matter from the atmosphere of a Chinese megacity. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 16025-36	5.1	14
82	Chemical nature and sources of fine particles in urban Beijing: Seasonality and formation mechanisms. <i>Environment International</i> , 2020 , 140, 105732	12.9	13
81	Variation in black carbon concentration and aerosol optical properties in Beijing: Role of emission control and meteorological transport variability. <i>Chemosphere</i> , 2020 , 254, 126849	8.4	13
80	Urban dust in the Guanzhong basin of China, part II: A case study of urban dust pollution using the WRF-Dust model. <i>Science of the Total Environment</i> , 2016 , 541, 1614-1624	10.2	13
79	An analytical study of bioaccumulation and the binding forms of mercury in rat body using thermolysis coupled with atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2005 , 538, 313-321	6.6	13
78	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. <i>Environmental Pollution</i> , 2019 , 244, 877-884	9.3	13
77	Application of time-of-flight aerosol mass spectrometry for the online measurement of gaseous molecular iodine. <i>Analytical Chemistry</i> , 2012 , 84, 1439-45	7.8	12
76	Quantifying sources of elemental carbon over the Guanzhong Basin of China: A consistent network of measurements and WRF-Chem modeling. <i>Environmental Pollution</i> , 2016 , 214, 86-93	9.3	12
75	Impacts of methanesulfonate on the cloud condensation nucleation activity of sea salt aerosol. <i>Atmospheric Environment</i> , 2019 , 201, 13-17	5.3	12
74	Mercury stable isotope compositions of Chinese urban fine particulates in winter haze days: Implications for Hg sources and transformations. <i>Chemical Geology</i> , 2019 , 504, 267-275	4.2	12
73	Light absorption of brown carbon in PM _{2.5} in the Three Gorges Reservoir region, southwestern China: Implications of biomass burning and secondary formation. <i>Atmospheric Environment</i> , 2020 , 229, 117409	5.3	11
72	Optical Properties of Aerosols and Implications for Radiative Effects in Beijing During the Asia-Pacific Economic Cooperation Summit 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 10,119-10,132	4.4	11
71	Black Carbon Aerosols at Mt. Muztagh Ata, a High-Altitude Location in the Western Tibetan Plateau. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 752-763	4.6	11
70	Highly time-resolved measurements of element concentrations in PM ₁₀ and PM _{2.5} ; comparison of Delhi, Beijing, London, and Krakow. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 717-730	6.8	11
69	Effects of NH and alkaline metals on the formation of particulate sulfate and nitrate in wintertime Beijing. <i>Science of the Total Environment</i> , 2020 , 717, 137190	10.2	10
68	Exploring the impact of chemical composition on aerosol light extinction during winter in a heavily polluted urban area of China. <i>Journal of Environmental Management</i> , 2019 , 247, 766-775	7.9	10

67	Characteristics of Black Carbon Aerosol during the Chinese Lunar Year and Weekdays in Xi'an, China. <i>Atmosphere</i> , 2015 , 6, 195-208	2.7	10
66	A denuder-impinger system with in situ derivatization followed by gas chromatography-mass spectrometry for the determination of gaseous iodine-containing halogen species. <i>Journal of Chromatography A</i> , 2008 , 1210, 135-41	4.5	10
65	Sources and formation of carbonaceous aerosols in Xi'an, China: primary emissions and secondary formation constrained by radiocarbon. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 15609-15628	6.8	10
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