

# Ru-Jin Huang

## List of Publications by Year in Descending Order

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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	Large contribution from worship activities to the atmospheric soot particles in northwest China.. <i>Environmental Pollution</i> , <b>2022</b> , 118907	9.3	0
209	An automated method for thermal-optical separation of aerosol organic/elemental carbon for C analysis at the sub-µC level: A comprehensive assessment. <i>Science of the Total Environment</i> , <b>2022</b> , 804, 150031	10.2	3
208	Chemical signature and fractionation of trace elements in fine particles from anthropogenic and natural sources.. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 114, 365-375	6.4	1
207	Evidence of a Large Bias in Rooftop Measurements of Atmospheric Ammonia. <i>ACS Earth and Space Chemistry</i> , <b>2022</b> , 6, 160-164	3.2	
206	Chromophoric Fingerprinting of Brown Carbon from Residential Biomass Burning. <i>Environmental Science and Technology Letters</i> , <b>2022</b> , 9, 102-111	11	4
205	Concentration, optical characteristics, and emission factors of brown carbon emitted by on-road vehicles. <i>Science of the Total Environment</i> , <b>2021</b> , 151307	10.2	1
204	C signatures of aerosol organic and elemental carbon from major combustion sources in China compared to worldwide estimates. <i>Science of the Total Environment</i> , <b>2021</b> , 151284	10.2	1
203	Polycyclic aromatic hydrocarbons from cooking emissions. <i>Science of the Total Environment</i> , <b>2021</b> , 818, 151700	10.2	2
202	Enhanced Nitrite Production from the Aqueous Photolysis of Nitrate in the Presence of Vanillic Acid and Implications for the Roles of Light-Absorbing Organics. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15694-15704	10.3	3
201	Chemical characteristics and sources of organosulfates, organosulfonates, and carboxylic acids in aerosols in urban Xi'an, Northwest China. <i>Science of the Total Environment</i> , <b>2021</b> , 810, 151187	10.2	2
200	Organic aerosol formation and aging processes in Beijing constrained by size-resolved measurements of radiocarbon and stable isotopic C. <i>Environment International</i> , <b>2021</b> , 158, 106890	12.9	0
199	Measurement report: PM <sub>2.5</sub> -bound nitrated aromatic compounds in Xi'an, Northwest China: Seasonal variations and contributions to optical properties of brown carbon. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 3685-3697	6.8	2
198	Brown Carbon in Primary and Aged Coal Combustion Emission. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 5701-5710	10.3	9
197	The maximum carbonyl ratio (MCR) as a new index for the structural classification of secondary organic aerosol components. <i>Rapid Communications in Mass Spectrometry</i> , <b>2021</b> , 35, e9113	2.2	2
196	Interactions of organosulfates with water vapor under sub- and supersaturated conditions. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 7135-7148	6.8	6
195	Seasonal Trends of Aerosol Hygroscopicity and Mixing State in Clean Marine and Polluted Continental Air Masses Over the Northeast Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033851	4.4	1
194	Secondary Organic Aerosol Formation of Fleet Vehicle Emissions in China: Potential Seasonality of Spatial Distributions. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7276-7286	10.3	7

193	Black Carbon and Secondary Brown Carbon, the Dominant Light Absorption and Direct Radiative Forcing Contributors of the Atmospheric Aerosols Over the Tibetan Plateau. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092524	4.9	3
192	The impact of aerosol size-dependent hygroscopicity and mixing state on the cloud condensation nuclei potential over the north-east Atlantic. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8655-8675	6.8	1
191	Urban organic aerosol composition in eastern China differs from north to south: molecular insight from a liquid chromatography-mass spectrometry (Orbitrap) study. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 9089-9104	6.8	5
190	Characteristics and sources of hourly elements in PM and PM during wintertime in Beijing. <i>Environmental Pollution</i> , <b>2021</b> , 278, 116865	9.3	16
189	Quantification of solid fuel combustion and aqueous chemistry contributions to secondary organic aerosol during wintertime haze events in Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 9859-9886	6.8	6
188	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. <i>Environmental Pollution</i> , <b>2021</b> , 270, 116089	9.3	8
187	Spectral absorption properties of organic carbon aerosol during a polluted winter in Beijing, China. <i>Science of the Total Environment</i> , <b>2021</b> , 755, 142600	10.2	3
186	Characteristics of wintertime VOCs in urban Beijing: Composition and source apportionment. <i>Atmospheric Environment: X</i> , <b>2021</b> , 9, 100100	2.8	3
185	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> , <b>2021</b> , 14, 923-943	4	18
184	The formation and evolution of secondary organic aerosol during summer in Xi'an: Aqueous phase processing in fog-rain days. <i>Science of the Total Environment</i> , <b>2021</b> , 756, 144077	10.2	6
183	Enhanced formation of secondary organic aerosol from photochemical oxidation during the COVID-19 lockdown in a background site in Northwest China. <i>Science of the Total Environment</i> , <b>2021</b> , 778, 144947	10.2	9
182	The roles of aqueous-phase chemistry and photochemical oxidation in oxygenated organic aerosols formation. <i>Atmospheric Environment</i> , <b>2021</b> , 266, 118738	5.3	1
181	Measurement report of the change of PM composition during the COVID-19 lockdown in urban Xi'an: Enhanced secondary formation and oxidation. <i>Science of the Total Environment</i> , <b>2021</b> , 791, 148126	10.2	3
180	Concentrations, optical properties and sources of humic-like substances (HULIS) in fine particulate matter in Xi'an, Northwest China. <i>Science of the Total Environment</i> , <b>2021</b> , 789, 147902	10.2	3
179	Highly time-resolved measurements of element concentrations in PM <sub>10</sub> and PM <sub>2.5</sub> : comparison of Delhi, Beijing, London, and Krakow. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 717-730	6.8	11
178	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> , <b>2020</b> , 20, 5129-5144	6.8	25
177	Water-Insoluble Organics Dominate Brown Carbon in Wintertime Urban Aerosol of China: Chemical Characteristics and Optical Properties. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 7836-7847	10.3	22
176	Chemical nature and sources of fine particles in urban Beijing: Seasonality and formation mechanisms. <i>Environment International</i> , <b>2020</b> , 140, 105732	12.9	13

175	Comprehensive Source Apportionment of Submicron Aerosol in Shijiazhuang, China: Secondary Aerosol Formation and Holiday Effects. <i>ACS Earth and Space Chemistry</i> , <b>2020</b> , 4, 947-957	3.2	2
174	Sea-spray regulates sulfate cloud droplet activation over oceans. <i>Npj Climate and Atmospheric Science</i> , <b>2020</b> , 3,	8	17
173	Puzzling haze events in China during the coronavirus (COVID-19) shutdown. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088533	4.9	99
172	Aerosol hygroscopicity and its link to chemical composition in the coastal atmosphere of Mace Head: marine and continental air masses. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3777-3791	6.8	7
171	Light absorption of brown carbon in PM <sub>2.5</sub> in the Three Gorges Reservoir region, southwestern China: Implications of biomass burning and secondary formation. <i>Atmospheric Environment</i> , <b>2020</b> , 229, 117409	5.3	11
170	Characteristics and potential exposure risks of environmentally persistent free radicals in PM in the three gorges reservoir area, Southwestern China. <i>Chemosphere</i> , <b>2020</b> , 252, 126425	8.4	15
169	Characterization of anthropogenic organic aerosols by TOF-ACSM with the new capture vaporizer. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 2457-2472	4	17
168	Metallic elements and Pb isotopes in PM in three Chinese typical megacities: spatial distribution and source apportionment. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 1718-1730	4.3	5
167	Impact of city lockdown on the air quality of COVID-19-hit of Wuhan city. <i>Science of the Total Environment</i> , <b>2020</b> , 742, 140556	10.2	135
166	Effects of NH and alkaline metals on the formation of particulate sulfate and nitrate in wintertime Beijing. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 137190	10.2	10
165	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> , <b>2020</b> , 719, 137483	10.2	25
164	Variation in black carbon concentration and aerosol optical properties in Beijing: Role of emission control and meteorological transport variability. <i>Chemosphere</i> , <b>2020</b> , 254, 126849	8.4	13
163	The impact of traffic on air quality in Ireland: insights from the simultaneous kerbside and suburban monitoring of submicron aerosols. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 10513-10529	6.8	4
162	Tropospheric aerosol hygroscopicity in China. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13877-13903	6.8	8
161	Measurement report: dual-carbon isotopic characterization of carbonaceous aerosol reveals different primary and secondary sources in Beijing and Xi'an during severe haze events. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 16041-16053	6.8	9
160	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> , <b>2020</b> , 20, 9101-9114	6.8	17
159	Seasonal variations in the sources of organic aerosol in Xi'an, Northwest China: The importance of biomass burning and secondary formation. <i>Science of the Total Environment</i> , <b>2020</b> , 737, 139666	10.2	9
158	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> , <b>2020</b> , 749, 141419	10.2	20

157	One-year characterization of organic aerosol markers in urban Beijing: Seasonal variation and spatiotemporal comparison. <i>Science of the Total Environment</i> , <b>2020</b> , 743, 140689	10.2	4
156	n-Alkanes and PAHs in the Southeastern Tibetan Plateau: Characteristics and Correlations With Brown Carbon Light Absorption. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032666	4.4	2
155	Summertime and wintertime atmospheric processes of secondary aerosol in Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3793-3807	6.8	26
154	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. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 4779-4789	4	9
153	Radical Formation by Fine Particulate Matter Associated with Highly Oxygenated Molecules. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 12506-12518	10.3	30
152	High contributions of fossil sources to more volatile organic aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 10405-10422	6.8	6
151	Predominance of Secondary Organic Aerosol to Particle-bound Reactive Oxygen Species Activity in Fine Ambient Aerosol <b>2019</b> ,		1
150	Differing toxicity of ambient particulate matter (PM) in global cities. <i>Atmospheric Environment</i> , <b>2019</b> , 212, 305-315	5.3	25
149	Molecular Characterization and Source Identification of Atmospheric Particulate Organosulfates Using Ultrahigh Resolution Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 6192-6202	10.3	20
148	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> , <b>2019</b> , 116, 8657-8666	11.5	366
147	Water adsorption and hygroscopic growth of six anemophilous pollen species: the effect of temperature. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 2247-2258	6.8	27
146	Characterization of urban amine-containing particles in southwestern China: seasonal variation, source, and processing. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 3245-3255	6.8	21
145	Primary emissions versus secondary formation of fine particulate matter in the most polluted city (Shijiazhuang) in North China. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 2283-2298	6.8	43
144	Wintertime secondary organic aerosol formation in Beijing-Tianjin-Hebei (BTH): contributions of HONO sources and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 2343-2359	6.8	60
143	Atmospheric Processing of Loess Particles in a Polluted Urban Area of Northwestern China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 7919-7929	4.4	2
142	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> , <b>2019</b> , 247, 766-775	7.9	10
141	Cellular Responses to Exposure to Outdoor Air from the Chinese Spring Festival at the Air-Liquid Interface. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9128-9138	10.3	3
140	Characteristics of wintertime VOCs in suburban and urban Beijing: concentrations, emission ratios, and festival effects. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 8021-8036	6.8	28

139	Distinctions in source regions and formation mechanisms of secondary aerosol in Beijing from summer to winter. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 10319-10334	6.8	30
138	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> , <b>2019</b> , 12, 4347-4359	4	15
137	Wintertime aerosol dominated by solid-fuel-burning emissions across Ireland: insight into the spatial and chemical variation in submicron aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 14091-14106	6.8	8
136	Predominance of secondary organic aerosol to particle-bound reactive oxygen species activity in fine ambient aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 14703-14720	6.8	15
135	Summertime Aerosol over the West of Ireland Dominated by Secondary Aerosol during Long-Range Transport. <i>Atmosphere</i> , <b>2019</b> , 10, 59	2.7	5
134	Sources and formation of carbonaceous aerosols in Xi'an, China: primary emissions and secondary formation constrained by radiocarbon. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 15609-15628	6.8	10
133	Impacts of methanesulfonate on the cloud condensation nucleation activity of sea salt aerosol. <i>Atmospheric Environment</i> , <b>2019</b> , 201, 13-17	5.3	12
132	Characterization of the chemical components and bioreactivity of fine particulate matter produced during crop-residue burning in China. <i>Environmental Pollution</i> , <b>2019</b> , 245, 226-234	9.3	20
131	Mercury stable isotope compositions of Chinese urban fine particulates in winter haze days: Implications for Hg sources and transformations. <i>Chemical Geology</i> , <b>2019</b> , 504, 267-275	4.2	12
130	Synthesis and Applications of Nanomaterials With High Photocatalytic Activity on Air Purification <b>2019</b> , 299-325		2
129	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> , <b>2019</b> , 244, 877-884	9.3	13
128	Characterization of Gas-Phase Organics Using Proton Transfer Reaction Time-of-Flight Mass Spectrometry: Residential Coal Combustion. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2612-2617	19.3	23
127	Light absorption properties of brown carbon over the southeastern Tibetan Plateau. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 246-251	10.2	33
126	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> , <b>2018</b> , 18, 4005-4017	6.8	32
125	Biomass burning influences determination based on PM 2.5 chemical composition combined with fire counts at southeastern Tibetan Plateau during pre-monsoon period. <i>Atmospheric Research</i> , <b>2018</b> , 206, 108-116	5.4	7
124	Contributions of residential coal combustion to the air quality in Beijing-Tianjin-Hebei (BTH), China: a case study. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 10675-10691	6.8	41
123	A study of elevated pollution layer over the North China Plain using aircraft measurements. <i>Atmospheric Environment</i> , <b>2018</b> , 190, 188-194	5.3	21
122	Global Survey of Antibiotic Resistance Genes in Air. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10975-10984	10.3	138

121	Identification of secondary aerosol precursors emitted by an aircraft turbofan. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7379-7391	6.8	10
120	Source apportionment of carbonaceous aerosols in Xi'an, China: insights from a full year of measurements of radiocarbon and the stable isotope $^{13}\text{C}$ . <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 16363-16383	6.8	38
119	Organosulfates in atmospheric aerosol: synthesis and quantitative analysis of $\text{PM}_{2.5}$ from Xi'an, northwestern China. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 3447-3456	4	32
118	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10967-10974	10.3	68
117	Extreme air pollution from residential solid fuel burning. <i>Nature Sustainability</i> , <b>2018</b> , 1, 512-517	22.1	31
116	Brown Carbon Aerosol in Urban Xi'an, Northwest China: The Composition and Light Absorption Properties. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 6825-6833	10.3	86
115	Single particle characterization of summertime particles in Xi'an (China). <i>Science of the Total Environment</i> , <b>2018</b> , 636, 1279-1290	10.2	9
114	UHPLC-Orbitrap mass spectrometric characterization of organic aerosol from a central European city (Mainz, Germany) and a Chinese megacity (Beijing). <i>Atmospheric Environment</i> , <b>2018</b> , 189, 22-29	5.3	38
113	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> , <b>2017</b> , 579, 212-220	10.2	18
112	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> , <b>2017</b> , 7, 41132	4.9	21
111	Spectral dependence of aerosol light absorption at an urban and a remote site over the Tibetan Plateau. <i>Science of the Total Environment</i> , <b>2017</b> , 590-591, 14-21	10.2	43
110	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> , <b>2017</b> , 72, 364-379	3.2	23
109	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> , <b>2017</b> , 122, 5515-5530	4.4	23
108	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> , <b>2017</b> , 12, 044012	6.2	21
107	Long-term trend of O in a mega City (Shanghai), China: Characteristics, causes, and interactions with precursors. <i>Science of the Total Environment</i> , <b>2017</b> , 603-604, 425-433	10.2	111
106	Source characterization of urban particles from meat smoking activities in Chongqing, China using single particle aerosol mass spectrometry. <i>Environmental Pollution</i> , <b>2017</b> , 228, 92-101	9.3	26
105	Concentration and sources of atmospheric nitrous acid (HONO) at an urban site in Western China. <i>Science of the Total Environment</i> , <b>2017</b> , 593-594, 165-172	10.2	49
104	Characterization of Gas-Phase Organics Using Proton Transfer Reaction Time-of-Flight Mass Spectrometry: Aircraft Turbine Engines. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 3621-3629	10.3	4

103	Chemical composition, sources and secondary processes of aerosols in Baoji city of northwest China. <i>Atmospheric Environment</i> , <b>2017</b> , 158, 128-137	5-3	43
102	Characteristics of carbonaceous particles from residential coal combustion and agricultural biomass burning in China. <i>Atmospheric Pollution Research</i> , <b>2017</b> , 8, 521-527	4-5	37
101	Characterizing the composition and evolution of and urban particles in Chongqing (China) during summertime. <i>Atmospheric Research</i> , <b>2017</b> , 187, 84-94	5-4	17
100	Effect of hydrolysis of NO on nitrate and ammonium formation in Beijing China: WRF-Chem model simulation. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 221-229	10.2	27
99	Real-Time Characterization of Aerosol Particle Composition During Winter High-Pollution Events in China <b>2017</b> , 221-244		
98	Sources and Chemical Composition of Particulate Matter During Haze Pollution Events in China <b>2017</b> , 49-68		2
97	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> , <b>2017</b> , 231, 1330-1343	9-3	28
96	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> , <b>2017</b> , 122, 10,119-10,132	4-4	11
95	PM2.5 emissions and source profiles from open burning of crop residues. <i>Atmospheric Environment</i> , <b>2017</b> , 169, 229-237	5-3	29
94	Characterization of Primary Organic Aerosol from Domestic Wood, Peat, and Coal Burning in Ireland. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10624-10632	10-3	20
93	Severe Pollution in China Amplified by Atmospheric Moisture. <i>Scientific Reports</i> , <b>2017</b> , 7, 15760	4-9	122
92	Gasoline cars produce more carbonaceous particulate matter than modern filter-equipped diesel cars. <i>Scientific Reports</i> , <b>2017</b> , 7, 4926	4-9	92
91	Optical properties and possible sources of brown carbon in PM2.5 over Xi'an, China. <i>Atmospheric Environment</i> , <b>2017</b> , 150, 322-330	5-3	58
90	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> , <b>2017</b> , 184, 66-76	5-4	79
89	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. <i>Ecosystems</i> , <b>2017</b> , 20, 515-526	3-9	37
88	Contributions of trans-boundary transport to summertime air quality in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 2035-2051	6-8	58
87	A possible pathway for rapid growth of sulfate during haze days in China. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 3301-3316	6-8	142
86	Size distribution and source of black carbon aerosol in urban Beijing during winter haze episodes. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 7965-7975	6-8	33



85	Impacts of meteorological uncertainties on the haze formation in Beijing-Tianjin-Hebei (BTH) during wintertime: a case study. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14579-14591	6.8	36
84	In situ Fabrication of Bi <sub>2</sub> O <sub>3</sub> /(BiO) <sub>2</sub> CO <sub>3</sub> Nanoplate Heterojunctions with Tunable Optical Property and Photocatalytic Activity. <i>Scientific Reports</i> , <b>2016</b> , 6, 23435	4.9	51
83	Development of source profiles and their application in source apportionment of PM <sub>2.5</sub> in Xiamen, China. <i>Frontiers of Environmental Science and Engineering</i> , <b>2016</b> , 10, 1	5.8	8
82	Impact of crop field burning and mountains on heavy haze in the North China Plain: a case study. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 9675-9691	6.8	52
81	Simulations of organic aerosol concentrations during springtime in the Guanzhong Basin, China. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 10045-10061	6.8	36
80	New insights into PM <sub>2.5</sub> chemical composition and sources in two major cities in China during extreme haze events using aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 3207-3225	6.8	236
79	Summertime ozone formation in Xi'an and surrounding areas, China. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 4323-4342	6.8	46
78	Typical synoptic situations and their impacts on the wintertime air pollution in the Guanzhong basin, China. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7373-7387	6.8	57
77	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> , <b>2016</b> , 159, 367-377	8.4	40
76	The rural carbonaceous aerosols in coarse, fine, and ultrafine particles during haze pollution in northwestern China. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 4569-75	5.1	19
75	Retrieving historical ambient PM <sub>2.5</sub> concentrations using existing visibility measurements in Xi'an, Northwest China. <i>Atmospheric Environment</i> , <b>2016</b> , 126, 15-20	5.3	24
74	Characterization of PM <sub>2.5</sub> in Guangzhou, China: uses of organic markers for supporting source apportionment. <i>Science of the Total Environment</i> , <b>2016</b> , 550, 961-971	10.2	70
73	Hierarchical porous ZnWO <sub>4</sub> microspheres synthesized by ultrasonic spray pyrolysis: Characterization, mechanistic and photocatalytic NO removal studies. <i>Applied Catalysis A: General</i> , <b>2016</b> , 515, 170-178	5.1	50
72	Inter-annual variability of wintertime PM <sub>2.5</sub> chemical composition in Xi'an, China: Evidences of changing source emissions. <i>Science of the Total Environment</i> , <b>2016</b> , 545-546, 546-55	10.2	87
71	Chemical composition and bioreactivity of PM <sub>2.5</sub> during 2013 haze events in China. <i>Atmospheric Environment</i> , <b>2016</b> , 126, 162-170	5.3	53
70	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> , <b>2016</b> , 541, 1614-1624	10.2	13
69	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> , <b>2016</b> , 541, 1603-1613	10.2	15
68	PM <sub>2.5</sub> from the Guanzhong Plain: Chemical composition and implications for emission reductions. <i>Atmospheric Environment</i> , <b>2016</b> , 147, 458-469	5.3	49

67	Black Carbon Aerosols at Mt. Muztagh Ata, a High-Altitude Location in the Western Tibetan Plateau. <i>Aerosol and Air Quality Research</i> , <b>2016</b> , 16, 752-763	4.6	11
66	A Possible Pathway for Rapid Growth of Sulfate during Haze Days in China <b>2016</b> ,		1
65	Seasonal Variation, Sources and Transport of Aerosols at Lijiang, Southeast Tibetan Plateau. <i>Aerosol and Air Quality Research</i> , <b>2016</b> , 16, 1579-1590	4.6	8
64	Characterization and source apportionment of organic aerosol using offline aerosol mass spectrometry. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 23-39	4	86
63	Size distribution and mixing state of refractory black carbon aerosol from a coastal city in South China. <i>Atmospheric Research</i> , <b>2016</b> , 181, 163-171	5.4	22
62	Chemical profiles of urban fugitive dust PM2.5 samples in Northern Chinese cities. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 619-626	10.2	78
61	Reconstruction of atmospheric soot history in inland regions from lake sediments over the past 150 years. <i>Scientific Reports</i> , <b>2016</b> , 6, 19151	4.9	25
60	Effect of heavy haze and aerosol pollution on rice and wheat productions in China. <i>Scientific Reports</i> , <b>2016</b> , 6, 29612	4.9	80
59	Carbonaceous aerosols in megacity Xi'an, China: Implications of thermal/optical protocols comparison. <i>Atmospheric Environment</i> , <b>2016</b> , 132, 58-68	5.3	32
58	Contribution of regional transport to the black carbon aerosol during winter haze period in Beijing. <i>Atmospheric Environment</i> , <b>2016</b> , 132, 11-18	5.3	49
57	Azaarenes in fine particulate matter from the atmosphere of a Chinese megacity. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 16025-36	5.1	14
56	Quantifying sources of elemental carbon over the Guanzhong Basin of China: A consistent network of measurements and WRF-Chem modeling. <i>Environmental Pollution</i> , <b>2016</b> , 214, 86-93	9.3	12
55	Characterization, mixing state, and evolution of urban single particles in Xi'an (China) during wintertime haze days. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 937-945	10.2	26
54	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> , <b>2016</b> , 121, 12,505-12,519	4.4	33
53	Evaluation of Policy Influence on Long-Term Indoor Air Quality in Emperor Qin's Terra-Cotta Museum, China. <i>Atmosphere</i> , <b>2015</b> , 6, 474-489	2.7	
52	Characteristics and major sources of carbonaceous aerosols in PM2.5 from Sanya, China. <i>Science of the Total Environment</i> , <b>2015</b> , 530-531, 110-119	10.2	50
51	The optical properties of urban aerosol in northern China: A case study at Xi'an. <i>Atmospheric Research</i> , <b>2015</b> , 160, 59-67	5.4	19
50	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. <i>Atmospheric Environment</i> , <b>2015</b> , 112, 64-71	5.3	82

49	Observations of high level of ozone at Qinghai Lake basin in the northeastern Qinghai-Tibetan Plateau, western China. <i>Journal of Atmospheric Chemistry</i> , <b>2015</b> , 72, 19-26	3.2	8
48	Emission characteristics of carbonaceous particles and trace gases from open burning of crop residues in China. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 399-406	5.3	95
47	Spatial patterns, storages and sources of black carbon in soils from the catchment of Qinghai Lake, China. <i>European Journal of Soil Science</i> , <b>2015</b> , 66, 525-534	3.4	9
46	Indoor air quality at five site museums of Yangtze River civilization. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 449-454	5.3	15
45	Spatial and seasonal variations of PM <sub>2.5</sub> mass and species during 2010 in Xi'an, China. <i>Science of the Total Environment</i> , <b>2015</b> , 508, 477-87	10.2	125
44	Control of PM <sub>2.5</sub> in Guangzhou during the 16th Asian Games period: implication for hazy weather prevention. <i>Science of the Total Environment</i> , <b>2015</b> , 508, 57-66	10.2	40
43	Marine and urban influences on summertime PM <sub>2.5</sub> aerosol in the Po basin using mobile measurements. <i>Atmospheric Environment</i> , <b>2015</b> , 120, 447-454	5.3	9
42	Chemical composition of PM <sub>2.5</sub> at a high-altitude regional background site over Northeast of Tibet Plateau. <i>Atmospheric Pollution Research</i> , <b>2015</b> , 6, 815-823	4.5	18
41	Dicarboxylic acids, ketocarboxylic acids, dicarbonyls, fatty acids and benzoic acid in PM <sub>2.5</sub> aerosol collected during CAREBeijing-2007: an effect of traffic restriction on air quality. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 3111-3123	6.8	52
40	Black carbon aerosol in winter northeastern Qinghai-Tibetan Plateau, China: the source, mixing state and optical property. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 13059-13069	6.8	40
39	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> , <b>2015</b> , 15, 1299-1312	6.8	129
38	Characteristics of Black Carbon Aerosol during the Chinese Lunar Year and Weekdays in Xi'an, China. <i>Atmosphere</i> , <b>2015</b> , 6, 195-208	2.7	10
37	Characteristics of Organic and Elemental Carbon in PM <sub>2.5</sub> and PM <sub>0.25</sub> in Indoor and Outdoor Environments of a Middle School: Secondary Formation of Organic Carbon and Sources Identification. <i>Atmosphere</i> , <b>2015</b> , 6, 361-379	2.7	14
36	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> , <b>2015</b> , 505, 814-22	10.2	112
35	Characteristics of water-soluble organic nitrogen in fine particulate matter in the continental area of China. <i>Atmospheric Environment</i> , <b>2015</b> , 106, 252-261	5.3	46
34	Spatiotemporal distribution of carbonyl compounds in China. <i>Environmental Pollution</i> , <b>2015</b> , 197, 316-324	4.3	25
33	A Biomass Combustion Chamber: Design, Evaluation, and a Case Study of Wheat Straw Combustion Emission Tests. <i>Aerosol and Air Quality Research</i> , <b>2015</b> , 15, 2104-2114	4.6	56
32	Impact of Meteorological Parameters and Gaseous Pollutants on PM <sub>2.5</sub> and PM <sub>10</sub> Mass Concentrations during 2010 in Xi'an, China. <i>Aerosol and Air Quality Research</i> , <b>2015</b> , 15, 1844-1854	4.6	33

31	Characterization and seasonal variations of levoglucosan in fine particulate matter in Xi'an, China. <i>Journal of the Air and Waste Management Association</i> , <b>2014</b> , 64, 1317-27	2.4	51
30	Two-stroke scooters are a dominant source of air pollution in many cities. <i>Nature Communications</i> , <b>2014</b> , 5, 3749	17.4	103
29	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> , <b>2014</b> , 48, 689-697	3.4	100
28	Long-term trends in visibility and impacts of aerosol composition on visibility impairment in Baoji, China. <i>Atmospheric Research</i> , <b>2014</b> , 149, 88-95	5.4	52
27	Radiocarbon-based source apportionment of carbonaceous aerosols at a regional background site on Hainan Island, South China. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 2651-9	10.3	73
26	High secondary aerosol contribution to particulate pollution during haze events in China. <i>Nature</i> , <b>2014</b> , 514, 218-22	50.4	2713
25	Emission of iodine-containing volatiles by selected microalgae species. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 13327-13335	6.8	5
24	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> , <b>2014</b> , 14, 13551-13570	6.8	74
23	Determination of alkylamines in atmospheric aerosol particles: a comparison of gas chromatography-mass spectrometry and ion chromatography approaches. <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 2027-2035	4	27
22	Seasonal variations of anhydrosugars in PM <sub>2.5</sub> in the Pearl River Delta Region, China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2014</b> , 66, 22577	3.3	52
21	PM <sub>2.5</sub> -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> , <b>2014</b> , 473-474, 77-87	10.2	227
20	Terpenoid composition and chemotaxonomic aspects of Miocene amber from the Koroglu Mountains, Turkey. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2014</b> , 105, 100-107	6	17
19	Black carbon aerosol characterization in a remote area of Qinghai-Tibetan Plateau, western China. <i>Science of the Total Environment</i> , <b>2014</b> , 479-480, 151-8	10.2	48
18	Seasonal variations of monocarbonyl and dicarbonyl in urban and sub-urban sites of Xi'an, China. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 2835-49	3.1	26
17	The seaweeds <i>Fucus vesiculosus</i> and <i>Ascophyllum nodosum</i> are significant contributors to coastal iodine emissions. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 5255-5264	6.8	18
16	Application of time-of-flight aerosol mass spectrometry for the online measurement of gaseous molecular iodine. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 1439-45	7.8	12
15	Application of mass spectrometric techniques for the trace analysis of short-lived iodine-containing volatiles emitted by seaweed. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 3345-57	4.4	17
14	Iodine emissions from the sea ice of the Weddell Sea. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 11229-11249	6.8	1249

13	Atmospheric analytical chemistry. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 4649-64	7.8	52
12	Does iodine gas released from seaweed contribute to dietary iodine intake?. <i>Environmental Geochemistry and Health</i> , <b>2011</b> , 33, 389-97	4.7	22
11	Observations of high concentrations of I <sub>2</sub> and IO in coastal air supporting iodine-oxide driven coastal new particle formation. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	27
10	Extensive evaluation of a diffusion denuder technique for the quantification of atmospheric stable and radioactive molecular iodine. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 5061-6	10.3	14
9	In situ measurements of molecular iodine in the marine boundary layer: the link to macroalgae and the implications for O <sub>3</sub> , IO, OIO and NO <sub>x</sub> . <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 4823-4833	6.8	46
8	Diffusion technique for the generation of gaseous halogen standards. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 2065-9	4.5	8
7	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> , <b>2009</b> , 81, 1777-83	7.8	40
6	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> , <b>2008</b> , 1210, 135-41	4.5	10
5	Direct analysis of mercury in Traditional Chinese Medicines using thermolysis coupled with on-line atomic absorption spectrometry. <i>Talanta</i> , <b>2006</b> , 68, 728-34	6.2	36
4	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> , <b>2005</b> , 538, 313-321	6.6	13
3	Quantification of solid fuel combustion and aqueous chemistry contributions to secondary organic aerosol during wintertime haze events in Beijing		2
2	Primary and Secondary Organic Nitrate in Northwest China: A Case Study. <i>Environmental Science and Technology Letters</i> ,	11	1
1	Nonagricultural emissions dominate urban atmospheric amines as revealed by mobile measurements. <i>Geophysical Research Letters</i> ,	4.9	3