Jian Zhen Yu

List of Publications by Year
in descending order

210 papers	14,365 citations	13865 67 h-index	27406 106 g-index
270 all docs	270 docs citations	270 times ranked	8389 citing authors

#	Article	IF	Citations
1	Abundance of organosulfates derived from biogenic volatile organic compounds: Seasonal and spatial contrasts at four sites in China. Science of the Total Environment, 2022, 806, 151275.	8.0	9
2	Online measurement of aerosol inorganic and organic nitrogen based on thermal evolution and chemiluminescent detection. Atmospheric Environment, 2022, 271, 118905.	4.1	4
3	Molecular and elemental marker-based source apportionment of fine particulate matter at six sites in Hong Kong, China. Science of the Total Environment, 2022, 813, 152652.	8.0	12
4	Modeling Secondary Organic Aerosol Tracers and Tracer-to-SOA Ratios for Monoterpenes and Sesquiterpenes Using a Chemical Transport Model. Environmental Science & Technology, 2022, 56, 804-813.	10.0	6
5	Decay Kinetics and Absorption Changes of Methoxyphenols and Nitrophenols during Nitrate-Mediated Aqueous Photochemical Oxidation at 254 and 313 nm. ACS Earth and Space Chemistry, 2022, 6, 1115-1125.	2.7	6
6	Measurement report: Characterization and source apportionment of coarse particulate matter in Hong Kong: insights into the constituents of unidentified mass and source origins in a coastal city in southern China. Atmospheric Chemistry and Physics, 2022, 22, 5017-5031.	4.9	16
7	Chemical transformation of <i>Î±</i>-pinene-derived organosulfate via heterogeneous OH oxidation: implications for sources and environmental fates of atmospheric organosulfates. Atmospheric Chemistry and Physics, 2022, 22, 5685-5700.	4.9	4
8	Tracer-based characterization of source variations of PM_{2.5} and organic carbon in Shanghai influenced by the COVID-19 lockdown. Faraday Discussions, 2021, 226, 112-137.	3.2	19
9	Organosulfates in atmospheric aerosols in Shanghai, China: seasonal and interannual variability, origin, and formation mechanisms. Atmospheric Chemistry and Physics, 2021, 21, 2959-2980.	4.9	37
10	Impacts of Chemical Degradation on the Global Budget of Atmospheric Levoglucosan and Its Use As a Biomass Burning Tracer. Environmental Science & Technology, 2021, 55, 5525-5536.	10.0	37
11	Fabric Masks as a Personal Dosimeter for Quantifying Exposure to Airborne Polycyclic Aromatic Hydrocarbons. Environmental Science & Technology, 2021, 55, 5128-5135.	10.0	16
12	Assessment of oxidative potential by hydrophilic and hydrophobic fractions of water-soluble PM2.5 and their mixture effects. Environmental Pollution, 2021, 275, 116616.	7.5	4
13	Source apportionment of urban PM2.5 using positive matrix factorization with vertically distributed measurements of trace elements and nonpolar organic compounds. Atmospheric Pollution Research, 2021, 12, 200-207.	3.8	9
14	Source apportionment of fine secondary inorganic aerosol over the Pearl River Delta region using a hybrid method. Atmospheric Pollution Research, 2021, 12, 101061.	3.8	3
15	A multiple linear regression model with multiplicative log-normal error term for atmospheric concentration data. Science of the Total Environment, 2021, 767, 144282.	8.0	17
16	Chemical Synthesis of Multifunctional Air Pollutants: Terpene-Derived Nitrooxy Organosulfates. Environmental Science & Technology, 2021, 55, 8573-8582.	10.0	16
17	Simultaneous Determination of Aerosol Inorganic and Organic Nitrogen by Thermal Evolution and Chemiluminescence Detection. Environmental Science & Technology, 2021, 55, 11579-11589.	10.0	9
18	Ambient Measurements of Heterogeneous Ozone Oxidation Rates of Oleic, Elaidic, and Linoleic Acid Using a Relative Rate Constant Approach in an Urban Environment. Geophysical Research Letters, 2021, 48, e2021GL095130.	4.0	10

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19	Estimation of Aromatic Secondary Organic Aerosol Using a Molecular Tracerâ€"A Chemical Transport Model Assessment. Environmental Science & Technology, 2021, 55, 12882-12892.	10.0	6
20	On the Flip Side of Mask Wearing: Increased Exposure to Volatile Organic Compounds and a Risk-Reducing Solution. Environmental Science & Technology, 2021, 55, 14095-14104.	10.0	36
21	Hourly measurement of PM2.5-bound nonpolar organic compounds in Shanghai: Characteristics, sources and health risk assessment. Science of the Total Environment, 2021, 789, 148070.	8.0	15
22	Estimating primary vehicular emission contributions to PM2.5 using the Chemical Mass Balance model: Accounting for gas-particle partitioning of organic aerosols and oxidation degradation of hopanes. Environmental Pollution, 2021, 291, 118131.	7.5	7
23	Characterization of Seasonal Difference of HULIS-C Sources from Water Soluble PM2.5 in Seoul, Korea: Probing Secondary Processes. Aerosol and Air Quality Research, 2021, 21, 200233.	2.1	5
24	General discussion: Urban air quality; Meteorological influences and air quality trends. Faraday Discussions, 2021, 226, 191-206.	3.2	0
25	Comparative Assessment of Cooking Emission Contributions to Urban Organic Aerosol Using Online Molecular Tracers and Aerosol Mass Spectrometry Measurements. Environmental Science & Technology, 2021, 55, 14526-14535.	10.0	21
26	Polyurethane-Based Face Mask as a Sampling Device for Environmental Tobacco Smoke. Analytical Chemistry, 2021, 93, 13912-13918.	6.5	5
27	An interfacial role for NO2. Nature Chemistry, 2021, 13, 1158-1160.	13.6	4
28	Assessment of Interactions between Transition Metals and Atmospheric Organics: Ascorbic Acid Depletion and Hydroxyl Radical Formation in Organic-Metal Mixtures. Environmental Science & Technology, 2020, 54, 1431-1442.	10.0	54
29	Minimizing Contamination from Plastic Labware in the Quantification of C16 and C18 Fatty Acids in Filter Samples of Atmospheric Particulate Matter and Their Utility in Apportioning Cooking Source Contribution to Urban PM2.5. Atmosphere, 2020, 11, 1120.	2.3	10
30	The Observation and Characterisation of Fluorescent Bioaerosols Using Real-Time UV-LIF Spectrometry in Hong Kong from June to November 2018. Atmosphere, 2020, 11, 944.	2.3	2
31	Inorganic Sulfur Species Formed upon Heterogeneous OH Oxidation of Organosulfates: A Case Study of Methyl Sulfate. ACS Earth and Space Chemistry, 2020, 4, 2041-2049.	2.7	9
32	Hourly measurements of organic molecular markers in urban Shanghai, China: Observation of enhanced formation of secondary organic aerosol during particulate matter episodic periods. Atmospheric Environment, 2020, 240, 117807.	4.1	27
33	Hourly Measurements of Organic Molecular Markers in Urban Shanghai, China: Primary Organic Aerosol Source Identification and Observation of Cooking Aerosol Aging. ACS Earth and Space Chemistry, 2020, 4, 1670-1685.	2.7	43
34	Enhanced Wet Deposition of Waterâ€Soluble Organic Nitrogen During the Harvest Season: Influence of Biomass Burning and Inâ€Cloud Scavenging. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032699.	3.3	17
35	Comparative Study of Particulate Organosulfates in Contrasting Atmospheric Environments: Field Evidence for the Significant Influence of Anthropogenic Sulfate and NOx. Environmental Science and Technology Letters, 2020, 7, 787-794.	8.7	28
36	Abundance and sources of benzo[a]pyrene and other PAHs in ambient air in Hong Kong: A review of 20-year measurements (1997â€"2016). Chemosphere, 2020, 259, 127518.	8.2	31

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37	Wet and Dry Nitrogen Depositions in the Pearl River Delta, South China: Observations at Three Typical Sites With an Emphasis on Waterâ€Soluble Organic Nitrogen. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030983.	3.3	15
38	Field Evidence of Fe-Mediated Photochemical Degradation of Oxalate and Subsequent Sulfate Formation Observed by Single Particle Mass Spectrometry. Environmental Science & Technology, 2020, 54, 6562-6574.	10.0	23
39	Speciation of carboxylic components in humic-like substances (HULIS) and source apportionment of HULIS in ambient fine aerosols (PM2.5) collected in Hong Kong. Environmental Science and Pollution Research, 2020, 27, 23172-23180.	5.3	10
40	Amplification of black carbon light absorption induced by atmospheric aging: temporal variation at seasonal and diel scales in urban Guangzhou. Atmospheric Chemistry and Physics, 2020, 20, 2445-2470.	4.9	38
41	Source apportionment of PM_{2.5} in Shanghai based on hourly organic molecular markers and other source tracers. Atmospheric Chemistry and Physics, 2020, 20, 12047-12061.	4.9	39
42	Probing key organic substances driving new particle growth initiated by iodine nucleation in coastal atmosphere. Atmospheric Chemistry and Physics, 2020, 20, 9821-9835.	4.9	8
43	Tracking separate contributions of diesel and gasoline vehicles to roadside PM_{2.5} through online monitoring of volatile organic compounds and PM_{2.5} organic and elemental carbon: a 6-year study in Hong Kong. Atmospheric Chemistry and Physics, 2020, 20, 9871-9882.	4.9	16
44	Isoprene Mixing Ratios Measured at Twenty Sites in China During 2012â€“2014: Comparison With Model Simulation. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033523.	3.3	14
45	Temporal Variations and Characteristics of the Carbonaceous Species in PM2.5 Measured at Anmyeon Island, a Background Site in Korea. Asian Journal of Atmospheric Environment, 2020, 14, 35-46.	1.1	4
46	Organic Peroxides and Sulfur Dioxide in Aerosol: Source of Particulate Sulfate. Environmental Science & Technology, 2019, 53, 10695-10704.	10.0	53
47	Quantification of known and unknown terpenoid organosulfates in PM10 using untargeted LCâ€“HRMS/MS: contrasting summertime rural Germany and the North China Plain. Environmental Chemistry, 2019, 16, 333.	1.5	33
48	The formation of nitro-aromatic compounds under high NO_{<i>x</i>} and anthropogenic VOC conditions in urban Beijing, China. Atmospheric Chemistry and Physics, 2019, 19, 7649-7665.	4.9	127
49	The development of a cell-based model for the assessment of carcinogenic potential upon long-term PM2.5 exposure. Environment International, 2019, 131, 104943.	10.0	39
50	Effect of metal-organic interactions on the oxidative potential of mixtures of atmospheric humic-like substances and copper/manganese as investigated by the dithiothreitol assay. Science of the Total Environment, 2019, 697, 134012.	8.0	31
51	Optical properties, source apportionment and redox activity of humic-like substances (HULIS) in airborne fine particulates in Hong Kong. Environmental Pollution, 2019, 255, 113087.	7.5	37
52	Monoterpene and Sesquiterpene Î±-Hydroxy Organosulfates: Synthesis, MS/MS Characteristics, and Ambient Presence. Environmental Science & Technology, 2019, 53, 12278-12290.	10.0	24
53	Dithiothreitol (DTT) concentration effect and its implications on the applicability of DTT assay to evaluate the oxidative potential of atmospheric aerosol samples. Environmental Pollution, 2019, 251, 938-944.	7.5	46
54	Organosulfur Compounds Formed from Heterogeneous Reaction between SO₂ and Particulate-Bound Unsaturated Fatty Acids in Ambient Air. Environmental Science and Technology Letters, 2019, 6, 318-322.	8.7	34

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55	Incorporating hopane degradation into chemical mass balance model: Improving accuracy of vehicular source contribution estimation. Atmospheric Environment, 2019, 210, 211-219.	4.1	6
56	Characterization of Aerosol Aging Potentials at Suburban Sites in Northern and Southern China Utilizing a Potential Aerosol Mass (Go:PAM) Reactor and an Aerosol Mass Spectrometer. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5629-5649.	3.3	28
57	Multiple organ injury in male C57BL/6J mice exposed to ambient particulate matter in a real-ambient PM exposure system in Shijiazhuang, China. Environmental Pollution, 2019, 248, 874-887.	7.5	108
58	Estimating contributions of vehicular emissions to PM2.5 in a roadside environment: A multiple approach study. Science of the Total Environment, 2019, 672, 776-788.	8.0	27
59	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7760-7765.	7.1	308
60	Estimation and Uncertainty Analysis of Secondary Organic Carbon Using 1ÂYear of Hourly Organic and Elemental Carbon Data. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2774-2795.	3.3	47
61	Multiphase Reactions between Secondary Organic Aerosol and Sulfur Dioxide: Kinetics and Contributions to Sulfate Formation and Aerosol Aging. Environmental Science and Technology Letters, 2019, 6, 768-774.	8.7	42
62	Efficient control of atmospheric sulfate production based on three formation regimes. Nature Geoscience, 2019, 12, 977-982.	12.9	55
63	High level of source-specific particulate matter air pollution associated with cardiac arrhythmias. Science of the Total Environment, 2019, 657, 1285-1293.	8.0	41
64	Source apportionment of fine particulate matter in Macao, China with and without organic tracers: A comparative study using positive matrix factorization. Atmospheric Environment, 2019, 198, 183-193.	4.1	39
65	Potential exposure to fine particulate matter (PM2.5) and black carbon on jogging trails in Macau. Atmospheric Environment, 2019, 198, 23-33.	4.1	21
66	Source Apportionment of PM_{2.5} Using Hourly Measurements of Elemental Tracers and Major Constituents in an Urban Environment: Investigation of Timeâ€Resolution Influence. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5284-5300.	3.3	52
67	Abundance and Sources of Phthalic Acids, Benzene-Tricarboxylic Acids, and Phenolic Acids in PM_{2.5} at Urban and Suburban Sites in Southern China. ACS Earth and Space Chemistry, 2018, 2, 147-158.	2.7	51
68	Quantifying black carbon light absorption enhancement with aÂnovel statistical approach. Atmospheric Chemistry and Physics, 2018, 18, 289-309.	4.9	84
69	Decadal changes in emissions of volatile organic compounds (VOCs) from on-road vehicles with intensified automobile pollution control: Case study in a busy urban tunnel in south China. Environmental Pollution, 2018, 233, 806-819.	7.5	74
70	An Integrated Source Apportionment Methodology and Its Application over the Yangtze River Delta Region, China. Environmental Science & Technology, 2018, 52, 14216-14227.	10.0	31
71	Online gas- and particle-phase measurements of organosulfates, organosulfonates and nitrooxy organosulfates in Beijing utilizing a FIGAERO ToF-CIMS. Atmospheric Chemistry and Physics, 2018, 18, 10355-10371.	4.9	62
72	The secondary formation of organosulfates under interactions between biogenic emissions and anthropogenic pollutants in summer in Beijing. Atmospheric Chemistry and Physics, 2018, 18, 10693-10713.	4.9	84

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73	Non-polar organic compounds in autumn and winter aerosols in a typical city of eastern China: size distribution and impact of gasâ€“particle partitioning on PM_{2.5} source apportionment. Atmospheric Chemistry and Physics, 2018, 18, 9375-9391.	4.9	29
74	Sources and oxidative potential of water-soluble humic-like substances (HULIS_{WS}) in fine particulate matter (PM_{2.5}) in Beijing. Atmospheric Chemistry and Physics, 2018, 18, 5607-5617.	4.9	92
75	Evaluation of linear regression techniques for atmospheric applications: the importance of appropriate weighting. Atmospheric Measurement Techniques, 2018, 11, 1233-1250.	3.1	74
76	Eighteen-year trends of local and non-local impacts to ambient PM10 in Hong Kong based on chemical speciation and source apportionment. Atmospheric Research, 2018, 214, 1-9.	4.1	13
77	Aromatic formulas in ambient PM2.5 samples from Hong Kong determined using FT-ICR ultrahigh-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2018, 410, 6289-6304.	3.7	21
78	Effects of Chemical Composition of PM2.5 on Visibility in a Semi-Rural City of Sichuan Basin. Aerosol and Air Quality Research, 2018, 18, 957-968.	2.1	16
79	Impacts of particulate matter (PM2.5) on the behavior of freshwater snail Parafossarulus striatulus. Scientific Reports, 2017, 7, 644.	3.3	25
80	Synthesis of Four Monoterpene-Derived Organosulfates and Their Quantification in Atmospheric Aerosol Samples. Environmental Science & Technology, 2017, 51, 6791-6801.	10.0	43
81	Primary particulate emissions and secondary organic aerosol (SOA) formation from idling diesel vehicle exhaust in China. Science of the Total Environment, 2017, 593-594, 462-469.	8.0	53
82	Impact of Secondary Organic Aerosol Tracers on Tracer-Based Source Apportionment of Organic Carbon and PM_{2.5}: A Case Study in the Pearl River Delta, China. ACS Earth and Space Chemistry, 2017, 1, 562-571.	2.7	68
83	Size distributions of hydrophilic and hydrophobic fractions of water-soluble organic carbon in an urban atmosphere in Hong Kong. Atmospheric Environment, 2017, 166, 110-119.	4.1	6
84	Quantifying the relationship between visibility degradation and PM2.5 constituents at a suburban site in Hong Kong: Differentiating contributions from hydrophilic and hydrophobic organic compounds. Science of the Total Environment, 2017, 575, 1571-1581.	8.0	23
85	Volatility of mixed atmospheric humic-like substances and ammonium sulfate particles. Atmospheric Chemistry and Physics, 2017, 17, 3659-3672.	4.9	7
86	Characteristics of Haze Pollution Episodes and Analysis of a Typical Winter Haze Process in Shanghai. Aerosol and Air Quality Research, 2016, 16, 1625-1637.	2.1	22
87	Inter-comparison of NIOSH and IMPROVE protocols for OC and EC determination: implications for inter-protocol data conversion. Atmospheric Measurement Techniques, 2016, 9, 4547-4560.	3.1	42
88	Molecular composition of urban organic aerosols on clear and hazy days in Beijing: a comparative study using FT-ICR MS. Environmental Chemistry, 2016, 13, 888.	1.5	66
89	Simultaneous monitoring and compositions analysis of PM1 and PM2.5 in Shanghai: Implications for characterization of haze pollution and source apportionment. Science of the Total Environment, 2016, 557-558, 386-394.	8.0	75
90	Temporal variations and source apportionment of Hulis-C in PM2.5 in urban Shanghai. Science of the Total Environment, 2016, 571, 18-26.	8.0	27

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91	Chemical characterization of humic-like substances (HULIS) in PM2.5 in Lanzhou, China. Science of the Total Environment, 2016, 573, 1481-1490.	8.0	63
92	A field measurement based scaling approach for quantification of major ions, organic carbon, and elemental carbon using a single particle aerosol mass spectrometer. Atmospheric Environment, 2016, 143, 300-312.	4.1	39
93	Nonpolar organic compounds as PM_{2.5} source tracers: Investigation of their sources and degradation in the Pearl River Delta, China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,862.	3.3	19
94	Determination of primary combustion source organic carbon-to-elemental carbon (OCâ€¯/â€¯EC) ratio using ambient OC and EC measurements: secondary OC-EC correlation minimization method. Atmospheric Chemistry and Physics, 2016, 16, 5453-5465.	4.9	137
95	Formation of secondary aerosols from gasoline vehicle exhaust when mixing with SO₂. Atmospheric Chemistry and Physics, 2016, 16, 675-689.	4.9	70
96	Measurements of non-volatile aerosols with a VTDMA and their correlations with carbonaceous aerosols in Guangzhou, China. Atmospheric Chemistry and Physics, 2016, 16, 8431-8446.	4.9	27
97	Sulfate Formation Enhanced by a Cocktail of High NO_x, SO₂, Particulate Matter, and Droplet pH during Haze-Fog Events in Megacities in China: An Observation-Based Modeling Investigation. Environmental Science & Technology, 2016, 50, 7325-7334.	10.0	143
98	Aerosol size distribution characteristics of organosulfates in the Pearl River Delta region, China. Atmospheric Environment, 2016, 130, 23-35.	4.1	48
99	Quantification of nitroaromatic compounds in atmospheric fine particulate matter in Hong Kong over 3 years: field measurement evidence for secondary formation derived from biomass burning emissions. Environmental Chemistry, 2016, 13, 665.	1.5	82
100	Comparison of characteristics of aerosol during rainy weather and cold air-dust weather in Guangzhou in late March 2012. Theoretical and Applied Climatology, 2016, 124, 451-459.	2.8	7
101	Characterizing the thermodynamic and chemical composition factors controlling PM 2.5 nitrate: Insights gained from two years of online measurements in Hong Kong. Atmospheric Environment, 2015, 122, 864-875.	4.1	76
102	Particulate matter pollution research in the Yangtze River Delta: Observations, processes, modeling and health effects. Atmospheric Environment, 2015, 123, 285-287.	4.1	1
103	Characteristics of submicron particulate matter at the urban roadside in downtown Hong Kongâ€”Overview of 4 months of continuous highâ€resolution aerosol mass spectrometer measurements. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7040-7058.	3.3	70
104	Sources of humic-like substances in the Pearl River Delta, China: positive matrix factorization analysis of PM^{2.5} major components and source markers. Atmospheric Chemistry and Physics, 2015, 15, 1995-2008.	4.9	107
105	Ground-based aerosol climatology of China: aerosol optical depths from the China Aerosol Remote Sensing Network (CARSNET) 2002â€“2013. Atmospheric Chemistry and Physics, 2015, 15, 7619-7652.	4.9	224
106	Secondary organic aerosol formation from photochemical aging of light-duty gasoline vehicle exhausts in a smog chamber. Atmospheric Chemistry and Physics, 2015, 15, 9049-9062.	4.9	90
107	Sources and atmospheric processes impacting oxalate at a suburban coastal site in Hong Kong: Insights inferred from 1â€‰year hourly measurements. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9772-9788.	3.3	54
108	Reactive Oxygen Species Production Mediated by Humic-like Substances in Atmospheric Aerosols: Enhancement Effects by Pyridine, Imidazole, and Their Derivatives. Environmental Science & Technology, 2015, 49, 6457-6465.	10.0	112

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109	Seasonal variations of water soluble composition (WSOC, Hulis and WSIIs) in PM1 and its implications on haze pollution in urban Shanghai, China. Atmospheric Environment, 2015, 123, 306-314.	4.1	64
110	Chemical characterization, the transport pathways and potential sources of PM2.5 in Shanghai: Seasonal variations. Atmospheric Research, 2015, 158-159, 66-78.	4.1	127
111	Organic tracer-based source analysis of PM 2.5 organic and elemental carbon: A case study at Dongguan in the Pearl River Delta, China. Atmospheric Environment, 2015, 118, 164-175.	4.1	57
112	Design and characterization of a smog chamber for studying gas-phase chemical mechanisms and aerosol formation. Atmospheric Measurement Techniques, 2014, 7, 301-313.	3.1	89
113	An Observation-Based Model for Secondary Inorganic Aerosols. Aerosol and Air Quality Research, 2014, 14, 862-878.	2.1	26
114	Role of microzooplankton grazing in regulating phytoplankton biomass and community structure in response to atmospheric aerosol input. Marine Ecology - Progress Series, 2014, 507, 69-79.	1.9	9
115	Insights into factors affecting nitrate in PM_{2.5} in a polluted high NO_x environment through hourly observations and size distribution measurements. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4888-4902.	3.3	61
116	Organosulfates from Pinene and Isoprene over the Pearl River Delta, South China: Seasonal Variation and Implication in Formation Mechanisms. Environmental Science & Technology, 2014, 48, 9236-9245.	10.0	89
117	Effect of nitrate and sulfate relative abundance in PM2.5 on liquid water content explored through half-hourly observations of inorganic soluble aerosols at a polluted receptor site. Atmospheric Environment, 2014, 99, 24-31.	4.1	57
118	Enhancement in secondary particulate matter production due to mountain trapping. Atmospheric Research, 2014, 147-148, 227-236.	4.1	17
119	Contributions of vehicular carbonaceous aerosols to PM_{2.5} in a roadside environment in Hong Kong. Atmospheric Chemistry and Physics, 2014, 14, 9279-9293.	4.9	48
120	One-year observations of size distribution characteristics of major aerosol constituents at a coastal receptor site in Hong Kong â€“ Part 1: Inorganic ions and oxalate. Atmospheric Chemistry and Physics, 2014, 14, 9013-9027.	4.9	50
121	Characterization of PM2.5 Major Components and Source Investigation in Suburban Hong Kong: A One Year Monitoring Study. Aerosol and Air Quality Research, 2014, 14, 237-250.	2.1	144
122	Relative contributions of secondary organic aerosol formation from toluene, xylenes, isoprene, and monoterpenes in Hong Kong and Guangzhou in the Pearl River Delta, China: an emissionâ€based box modeling study. Journal of Geophysical Research D: Atmospheres, 2013, 118, 507-519.	3.3	43
123	VOCs and OVOCs distribution and control policy implications in Pearl River Delta region, China. Atmospheric Environment, 2013, 76, 125-135.	4.1	107
124	Volatile organic compounds in the Pearl River Delta: Identification of source regions and recommendations for emission-oriented monitoring strategies. Atmospheric Environment, 2013, 76, 162-172.	4.1	50
125	Physical and chemical characterization of ambient aerosol by HRâ€ToFâ€AMS at a suburban site in Hong Kong during springtime 2011. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8625-8639.	3.3	56
126	Characterization of secondary aerosol and its extinction effects on visibility over the Pearl River Delta Region, China. Journal of the Air and Waste Management Association, 2013, 63, 1012-1021.	1.9	25

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127	Chemical characteristics and source apportionment of fine particulate organic carbon in Hong Kong during high particulate matter episodes in winter 2003. Atmospheric Research, 2013, 120-121, 88-98.	4.1	24
128	Potential impacts of two SO2 oxidation pathways on regional sulfate concentrations: Aqueous-phase oxidation by NO2 and gas-phase oxidation by Stabilized Criegee Intermediates. Atmospheric Environment, 2013, 68, 186-197.	4.1	87
129	Species profiles and normalized reactivity of volatile organic compounds from gasoline evaporation in China. Atmospheric Environment, 2013, 79, 110-118.	4.1	115
130	Secondary organic aerosol tracers and malic acid in Hong Kong: seasonal trends and origins. Environmental Chemistry, 2013, 10, 381.	1.5	28
131	Evaluating the degree of oxygenation of organic aerosol during foggy and hazy days in Hong Kong using high-resolution time-of-flight aerosol mass spectrometry (HR-ToF-AMS). Atmospheric Chemistry and Physics, 2013, 13, 8739-8753.	4.9	66
132	Black carbon over the South China Sea and in various continental locations in South China. Atmospheric Chemistry and Physics, 2013, 13, 12257-12270.	4.9	50
133	Foreword. Forty years of conversations in tropospheric chemistry and public health: the legacies of Harvey E. Jeffries and Richard M. Kamens at the University of North Carolina at Chapel Hill. Environmental Chemistry, 2013, 10, i.	1.5	0
134	Determination of Elemental and Organic Carbon in PM_{2.5}in the Pearl River Delta Region: Inter-Instrument (Sunset vs. DRI Model 2001 Thermal/Optical Carbon Analyzer) and Inter-Protocol Comparisons (IMPROVE vs. ACE-Asia Protocol). Aerosol Science and Technology, 2012, 46, 610-621.	3.1	47
135	Carbonyl emissions from vehicular exhausts sources in Hong Kong. Journal of the Air and Waste Management Association, 2012, 62, 221-234.	1.9	45
136	Editorial: mass spectrometric approaches for chemical characterisation of atmospheric aerosols. Environmental Chemistry, 2012, 9, i.	1.5	0
137	Source apportionment of PM2.5 nitrate and sulfate in China using a source-oriented chemical transport model. Atmospheric Environment, 2012, 62, 228-242.	4.1	192
138	Organosulfates in Humic-like Substance Fraction Isolated from Aerosols at Seven Locations in East Asia: A Study by Ultra-High-Resolution Mass Spectrometry. Environmental Science & Technology, 2012, 46, 13118-13127.	10.0	166
139	Elemental Composition of HULIS in the Pearl River Delta Region, China: Results Inferred from Positive and Negative Electrospray High Resolution Mass Spectrometric Data. Environmental Science & Technology, 2012, 46, 7454-7462.	10.0	218
140	Tracerâ€based estimation of secondary organic carbon in the Pearl River Delta, south China. Journal of Geophysical Research, 2012, 117, .	3.3	149
141	Chemical characteristics of PM2.5 and organic aerosol source analysis during cold front episodes in Hong Kong, China. Atmospheric Research, 2012, 118, 41-51.	4.1	22
142	Dynamics of phytoplankton community structure in the South China Sea in response to the East Asian aerosol input. Biogeosciences, 2012, 9, 1519-1536.	3.3	58
143	Polycyclic aromatic hydrocarbons in urban atmosphere of Guangzhou, China: Size distribution characteristics and size-resolved gas-particle partitioning. Atmospheric Environment, 2012, 54, 194-200.	4.1	44
144	Generation of Reactive Oxygen Species Mediated by Humic-like Substances in Atmospheric Aerosols. Environmental Science & Technology, 2011, 45, 10362-10368.	10.0	215

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145	Secondary organic aerosol formation from ethylene in the urban atmosphere of Hong Kong: A multiphase chemical modeling study. Journal of Geophysical Research, 2011, 116, .	3.3	34
146	Roadside and rooftop measurements of polycyclic aromatic hydrocarbons in PM2.5 in urban Guangzhou: Evaluation of vehicular and regional combustion source contributions. Atmospheric Environment, 2011, 45, 7184-7191.	4.1	53
147	A study of acidity on PM2.5 in Hong Kong using online ionic chemical composition measurements. Atmospheric Environment, 2011, 45, 7081-7088.	4.1	75
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