

# Jian Zhen Yu

## List of Publications by Year in descending order

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210  
papers

14,365  
citations

13827

67  
h-index

27345

106  
g-index

270  
all docs

270  
docs citations

270  
times ranked

8389  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-Phase Ozone Oxidation of Monoterpenes: Gaseous and Particulate Products. <i>Journal of Atmospheric Chemistry</i> , 1999, 34, 207-258.	1.4	495
2	ACE-Asia Intercomparison of a Thermal-Optical Method for the Determination of Particle-Phase Organic and Elemental Carbon. <i>Environmental Science &amp; Technology</i> , 2003, 37, 993-1001.	4.6	402
3	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7760-7765.	3.3	308
4	Identification of Products Containing $\hat{\omega}$ COOH, $\hat{\omega}$ OH, and $\hat{\omega}$ CO in Atmospheric Oxidation of Hydrocarbons. <i>Environmental Science &amp; Technology</i> , 1998, 32, 2357-2370.	4.6	261
5	When Aerosol Sulfate Goes Up, So Does Oxalate: An Implication for the Formation Mechanisms of Oxalate. <i>Environmental Science &amp; Technology</i> , 2005, 39, 128-133.	4.6	258
6	The chemical composition of inorganic and carbonaceous materials in PM <sub>2.5</sub> in Nanjing, China. <i>Atmospheric Environment</i> , 2005, 39, 3735-3749.	1.9	253
7	Optical properties and chemical composition of the atmospheric aerosol in urban Guangzhou, China. <i>Atmospheric Environment</i> , 2008, 42, 6335-6350.	1.9	248
8	Ground-based aerosol climatology of China: aerosol optical depths from the China Aerosol Remote Sensing Network (CARSNET) 2002-2013. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7619-7652.	1.9	224
9	Elemental Composition of HULIS in the Pearl River Delta Region, China: Results Inferred from Positive and Negative Electrospray High Resolution Mass Spectrometric Data. <i>Environmental Science &amp; Technology</i> , 2012, 46, 7454-7462.	4.6	218
10	Generation of Reactive Oxygen Species Mediated by Humic-like Substances in Atmospheric Aerosols. <i>Environmental Science &amp; Technology</i> , 2011, 45, 10362-10368.	4.6	215
11	Photodegradation of formaldehyde by photocatalyst TiO <sub>2</sub> : effects on the presences of NO, SO <sub>2</sub> and VOCs. <i>Applied Catalysis B: Environmental</i> , 2004, 54, 41-50.	10.8	197
12	Source apportionment of PM <sub>2.5</sub> nitrate and sulfate in China using a source-oriented chemical transport model. <i>Atmospheric Environment</i> , 2012, 62, 228-242.	1.9	192
13	Charring Characteristics of Atmospheric Organic Particulate Matter in Thermal Analysis. <i>Environmental Science &amp; Technology</i> , 2002, 36, 754-761.	4.6	190
14	Source areas and chemical composition of fine particulate matter in the Pearl River Delta region of China. <i>Atmospheric Environment</i> , 2006, 40, 3802-3815.	1.9	189
15	Characteristics and health impacts of VOCs and carbonyls associated with residential cooking activities in Hong Kong. <i>Journal of Hazardous Materials</i> , 2011, 186, 344-351.	6.5	188
16	Atmospheric photooxidation of alkylbenzenes. I. Carbonyl product analyses. <i>Atmospheric Environment</i> , 1997, 31, 2261-2280.	1.9	175
17	Identifying Airborne Carbonyl Compounds in Isoprene Atmospheric Photooxidation Products by Their PFBHA Oximes Using Gas Chromatography/Ion Trap Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 1995, 29, 1923-1932.	4.6	174
18	Water-soluble organic carbon and oxalate in aerosols at a coastal urban site in China: Size distribution characteristics, sources, and formation mechanisms. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	170

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19	Organosulfates in Humic-like Substance Fraction Isolated from Aerosols at Seven Locations in East Asia: A Study by Ultra-High-Resolution Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2012, 46, 13118-13127.	4.6	166
20	Abundance and size distribution of HULIS in ambient aerosols at a rural site in South China. <i>Journal of Aerosol Science</i> , 2010, 41, 74-87.	1.8	165
21	Observation of gaseous and particulate products of monoterpene oxidation in forest atmospheres. <i>Geophysical Research Letters</i> , 1999, 26, 1145-1148.	1.5	164
22	Contributions of isoprene, monoterpenes, $\alpha$ -caryophyllene, and toluene to secondary organic aerosols in Hong Kong during the summer of 2006. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	157
23	Aerosol Formation in the Cyclohexene-Ozone System. <i>Environmental Science &amp; Technology</i> , 2000, 34, 4894-4901.	4.6	150
24	Tracer-based estimation of secondary organic carbon in the Pearl River Delta, south China. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	149
25	Humic-like substances in fresh emissions of rice straw burning and in ambient aerosols in the Pearl River Delta Region, China. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6487-6500.	1.9	148
26	Characterization of PM <sub>2.5</sub> Major Components and Source Investigation in Suburban Hong Kong: A One Year Monitoring Study. <i>Aerosol and Air Quality Research</i> , 2014, 14, 237-250.	0.9	144
27	Sulfate Formation Enhanced by a Cocktail of High NO <sub>x</sub> , SO <sub>2</sub> , Particulate Matter, and Droplet pH during Haze-Fog Events in Megacities in China: An Observation-Based Modeling Investigation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 7325-7334.	4.6	143
28	In-injection port thermal desorption and subsequent gas chromatography-mass spectrometric analysis of polycyclic aromatic hydrocarbons and n-alkanes in atmospheric aerosol samples. <i>Journal of Chromatography A</i> , 2004, 1059, 121-129.	1.8	139
29	Determination of primary combustion source organic carbon-to-elemental carbon (OC/EC) ratio using ambient OC and EC measurements: secondary OC-EC correlation minimization method. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5453-5465.	1.9	137
30	Identification and spatiotemporal variations of dominant PM <sub>10</sub> sources over Hong Kong. <i>Atmospheric Environment</i> , 2006, 40, 1803-1815.	1.9	136
31	Evaluation of an in-injection port thermal desorption-gas chromatography/mass spectrometry method for analysis of non-polar organic compounds in ambient aerosol samples. <i>Journal of Chromatography A</i> , 2008, 1200, 217-227.	1.8	133
32	The application of thermal methods for determining chemical composition of carbonaceous aerosols: A review. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1521-1541.	0.9	131
33	Effective Henry's law constants of glyoxal, glyoxylic acid, and glycolic acid. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	129
34	Uncertainties in Charring Correction in the Analysis of Elemental and Organic Carbon in Atmospheric Particles by Thermal/Optical Methods. <i>Environmental Science &amp; Technology</i> , 2002, 36, 5199-5204.	4.6	127
35	Chemical characterization, the transport pathways and potential sources of PM <sub>2.5</sub> in Shanghai: Seasonal variations. <i>Atmospheric Research</i> , 2015, 158-159, 66-78.	1.8	127
36	The formation of nitro-aromatic compounds under high NO <sub>x</sub> and anthropogenic VOC conditions in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7649-7665.	1.9	127

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37	Determination of Airborne Carbonyls: A Comparison of a Thermal Desorption/GC Method with the Standard DNPH/HPLC Method. <i>Environmental Science &amp; Technology</i> , 2004, 38, 862-870.	4.6	123
38	Species profiles and normalized reactivity of volatile organic compounds from gasoline evaporation in China. <i>Atmospheric Environment</i> , 2013, 79, 110-118.	1.9	115
39	Refining temperature measures in thermal/optical carbon analysis. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 2961-2972.	1.9	114
40	Reactive Oxygen Species Production Mediated by Humic-like Substances in Atmospheric Aerosols: Enhancement Effects by Pyridine, Imidazole, and Their Derivatives. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6457-6465.	4.6	112
41	Abundance and seasonal characteristics of elemental and organic carbon in Hong Kong PM <sub>10</sub> . <i>Atmospheric Environment</i> , 2004, 38, 1511-1521.	1.9	110
42	Source apportionment of ambient volatile organic compounds in Hong Kong. <i>Science of the Total Environment</i> , 2010, 408, 4138-4149.	3.9	110
43	Extraction kinetics of copper, zinc, iron, and manganese from contaminated sediment using Disodium Ethylenediaminetetraacetate. <i>Water, Air, and Soil Pollution</i> , 1994, 75, 205-225.	1.1	108
44	Analysis of Sugars and Sugar Polyols in Atmospheric Aerosols by Chloride Attachment in Liquid Chromatography/Negative Ion Electrospray Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2007, 41, 2459-2466.	4.6	108
45	Multiple organ injury in male C57BL/6J mice exposed to ambient particulate matter in a real-ambient PM exposure system in Shijiazhuang, China. <i>Environmental Pollution</i> , 2019, 248, 874-887.	3.7	108
46	VOCs and OVOCs distribution and control policy implications in Pearl River Delta region, China. <i>Atmospheric Environment</i> , 2013, 76, 125-135.	1.9	107
47	Sources of humic-like substances in the Pearl River Delta, China: positive matrix factorization analysis of PM <sub>2.5</sub> ; major components and source markers. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1995-2008.	1.9	107
48	Sampling methods used for the collection of particle-phase organic and elemental carbon during ACE-Asia. <i>Atmospheric Environment</i> , 2003, 37, 1435-1449.	1.9	106
49	Carbonyl Emissions from Commercial Cooking Sources in Hong Kong. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 1091-1098.	0.9	99
50	Feasibility of Collection and Analysis of Airborne Carbonyls by On-Sorbent Derivatization and Thermal Desorption. <i>Analytical Chemistry</i> , 2002, 74, 1232-1240.	3.2	98
51	Atmospheric photooxidation of alkylbenzenes. II. Evidence of formation of epoxide intermediates. <i>Atmospheric Environment</i> , 1997, 31, 2281-2287.	1.9	96
52	Sources and oxidative potential of water-soluble humic-like substances (HULIS <sub>WS</sub> ) in fine particulate matter (PM <sub>2.5</sub> ) in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5607-5617.	1.9	92
53	Secondary organic aerosol formation from photochemical aging of light-duty gasoline vehicle exhausts in a smog chamber. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9049-9062.	1.9	90
54	Design and characterization of a smog chamber for studying gas-phase chemical mechanisms and aerosol formation. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 301-313.	1.2	89

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55	Organosulfates from Pinene and Isoprene over the Pearl River Delta, South China: Seasonal Variation and Implication in Formation Mechanisms. <i>Environmental Science &amp; Technology</i> , 2014, 48, 9236-9245.	4.6	89
56	Size Distribution Characteristics of Elemental Carbon Emitted from Chinese Vehicles: Results of a Tunnel Study and Atmospheric Implications. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5355-5360.	4.6	88
57	Determination of sugar compounds in atmospheric aerosols by liquid chromatography combined with positive electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1107, 175-181.	1.8	88
58	Potential impacts of two SO <sub>2</sub> oxidation pathways on regional sulfate concentrations: Aqueous-phase oxidation by NO <sub>2</sub> and gas-phase oxidation by Stabilized Criegee Intermediates. <i>Atmospheric Environment</i> , 2013, 68, 186-197.	1.9	87
59	Quantifying black carbon light absorption enhancement with a novel statistical approach. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 289-309.	1.9	84
60	The secondary formation of organosulfates under interactions between biogenic emissions and anthropogenic pollutants in summer in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10693-10713.	1.9	84
61	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. <i>Environmental Chemistry</i> , 2016, 13, 665.	0.7	82
62	Simultaneous Determination of Mono- and Dicarboxylic Acids, $\alpha$ -Oxo-carboxylic Acids, Midchain Ketocarboxylic Acids, and Aldehydes in Atmospheric Aerosol Samples. <i>Environmental Science &amp; Technology</i> , 2005, 39, 7616-7624.	4.6	81
63	Size distributions of elemental carbon and its contribution to light extinction in urban and rural locations in the pearl river delta region, China. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5107-5119.	1.9	81
64	Source apportioning of primary and secondary organic carbon in summer PM <sub>2.5</sub> in Hong Kong using positive matrix factorization of secondary and primary organic tracer data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	77
65	Size distributions of water-soluble organic carbon in ambient aerosols and its size-resolved thermal characteristics. <i>Atmospheric Environment</i> , 2004, 38, 1061-1071.	1.9	76
66	Characterizing the thermodynamic and chemical composition factors controlling PM <sub>2.5</sub> nitrate: Insights gained from two years of online measurements in Hong Kong. <i>Atmospheric Environment</i> , 2015, 122, 864-875.	1.9	76
67	A study of acidity on PM <sub>2.5</sub> in Hong Kong using online ionic chemical composition measurements. <i>Atmospheric Environment</i> , 2011, 45, 7081-7088.	1.9	75
68	Simultaneous monitoring and compositions analysis of PM <sub>1</sub> and PM <sub>2.5</sub> in Shanghai: Implications for characterization of haze pollution and source apportionment. <i>Science of the Total Environment</i> , 2016, 557-558, 386-394.	3.9	75
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. <i>Environmental Pollution</i> , 2018, 233, 806-819.	3.7	74
70	Evaluation of linear regression techniques for atmospheric applications: the importance of appropriate weighting. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1233-1250.	1.2	74
71	Characteristics of submicron particulate matter at the urban roadside in downtown Hong Kong: Overview of 4 months of continuous high-resolution aerosol mass spectrometer measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7040-7058.	1.2	70
72	Formation of secondary aerosols from gasoline vehicle exhaust when mixing with SO <sub>2</sub> and NO <sub>2</sub> . <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 675-689.	1.9	70

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73	Impact of Secondary Organic Aerosol Tracers on Tracer-Based Source Apportionment of Organic Carbon and PM <sub>2.5</sub> : A Case Study in the Pearl River Delta, China. ACS Earth and Space Chemistry, 2017, 1, 562-571.	1.2	68
74	Real-world emission factors of fifteen carbonyl compounds measured in a Hong Kong tunnel. Atmospheric Environment, 2007, 41, 1747-1758.	1.9	66
75	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.	1.9	66
76	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.	0.7	66
77	Chemical Characterization of Water-Soluble Organic Aerosols at Jeju Island Collected During ACE-Asia. Environmental Chemistry, 2004, 1, 13.	0.7	64
78	Seasonal variations of water soluble composition (WSOC, HULIS and WSILs) in PM <sub>1</sub> and its implications on haze pollution in urban Shanghai, China. Atmospheric Environment, 2015, 123, 306-314.	1.9	64
79	Chemical characterization of humic-like substances (HULIS) in PM <sub>2.5</sub> in Lanzhou, China. Science of the Total Environment, 2016, 573, 1481-1490.	3.9	63
80	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.	1.9	62
81	Concentrations of formaldehyde and other carbonyls in environments affected by incense burning. Journal of Environmental Monitoring, 2002, 4, 728-733.	2.1	61
82	Gaseous and particulate polycyclic aromatic hydrocarbons (PAHs) emissions from commercial restaurants in Hong Kong. Journal of Environmental Monitoring, 2007, 9, 1402.	2.1	61
83	Insights into factors affecting nitrate in PM <sub>2.5</sub> in a polluted high NO <sub>x</sub> environment through hourly observations and size distribution measurements. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4888-4902.	1.2	61
84	Dynamics of phytoplankton community structure in the South China Sea in response to the East Asian aerosol input. Biogeosciences, 2012, 9, 1519-1536.	1.3	58
85	Composition and sources of carbonaceous aerosols at three contrasting sites in Hong Kong. Journal of Geophysical Research, 2006, 111, .	3.3	57
86	Is vehicle exhaust a significant primary source of oxalic acid in ambient aerosols?. Geophysical Research Letters, 2007, 34, .	1.5	57
87	Effect of nitrate and sulfate relative abundance in PM <sub>2.5</sub> on liquid water content explored through half-hourly observations of inorganic soluble aerosols at a polluted receptor site. Atmospheric Environment, 2014, 99, 24-31.	1.9	57
88	Organic tracer-based source analysis of PM <sub>2.5</sub> organic and elemental carbon: A case study at Dongguan in the Pearl River Delta, China. Atmospheric Environment, 2015, 118, 164-175.	1.9	57
89	Physical and chemical characterization of ambient aerosol by HR-ToF-AMS at a suburban site in Hong Kong during springtime 2011. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8625-8639.	1.2	56
90	Comparison of two methods for the determination of water-soluble organic carbon in atmospheric particles. Atmospheric Environment, 2003, 37, 865-870.	1.9	55

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91	Efficient control of atmospheric sulfate production based on three formation regimes. <i>Nature Geoscience</i> , 2019, 12, 977-982.	5.4	55
92	Sources and atmospheric processes impacting oxalate at a suburban coastal site in Hong Kong: Insights inferred from 1-yr hourly measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9772-9788.	1.2	54
93	Assessment of Interactions between Transition Metals and Atmospheric Organics: Ascorbic Acid Depletion and Hydroxyl Radical Formation in Organic-Metal Mixtures. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1431-1442.	4.6	54
94	Roadside and rooftop measurements of polycyclic aromatic hydrocarbons in PM <sub>2.5</sub> in urban Guangzhou: Evaluation of vehicular and regional combustion source contributions. <i>Atmospheric Environment</i> , 2011, 45, 7184-7191.	1.9	53
95	Primary particulate emissions and secondary organic aerosol (SOA) formation from idling diesel vehicle exhaust in China. <i>Science of the Total Environment</i> , 2017, 593-594, 462-469.	3.9	53
96	Organic Peroxides and Sulfur Dioxide in Aerosol: Source of Particulate Sulfate. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10695-10704.	4.6	53
97	Source Apportionment of PM <sub>2.5</sub> Using Hourly Measurements of Elemental Tracers and Major Constituents in an Urban Environment: Investigation of Time-Resolution Influence. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5284-5300.	1.2	52
98	Abundance and Sources of Phthalic Acids, Benzene-Tricarboxylic Acids, and Phenolic Acids in PM <sub>2.5</sub> at Urban and Suburban Sites in Southern China. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 147-158.	1.2	51
99	Volatile organic compounds in the Pearl River Delta: Identification of source regions and recommendations for emission-oriented monitoring strategies. <i>Atmospheric Environment</i> , 2013, 76, 162-172.	1.9	50
100	Black carbon over the South China Sea and in various continental locations in South China. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 12257-12270.	1.9	50
101	One-year observations of size distribution characteristics of major aerosol constituents at a coastal receptor site in Hong Kong – Part 1: Inorganic ions and oxalate. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9013-9027.	1.9	50
102	Contributions of vehicular carbonaceous aerosols to PM <sub>2.5</sub> in a roadside environment in Hong Kong. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9279-9293.	1.9	48
103	Aerosol size distribution characteristics of organosulfates in the Pearl River Delta region, China. <i>Atmospheric Environment</i> , 2016, 130, 23-35.	1.9	48
104	Measurement of organic mass to organic carbon ratio in ambient aerosol samples using a gravimetric technique in combination with chemical analysis. <i>Atmospheric Environment</i> , 2007, 41, 8857-8864.	1.9	47
105	Determination of Elemental and Organic Carbon in PM <sub>2.5</sub> 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). <i>Aerosol Science and Technology</i> , 2012, 46, 610-621.	1.5	47
106	Estimation and Uncertainty Analysis of Secondary Organic Carbon Using 1-Year of Hourly Organic and Elemental Carbon Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2774-2795.	1.2	47
107	Dithiothreitol (DTT) concentration effect and its implications on the applicability of DTT assay to evaluate the oxidative potential of atmospheric aerosol samples. <i>Environmental Pollution</i> , 2019, 251, 938-944.	3.7	46
108	Local and regional anthropogenic influence on PM <sub>2.5</sub> elements in Hong Kong. <i>Atmospheric Environment</i> , 2007, 41, 5994-6004.	1.9	45

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109	Carbonyl emissions from vehicular exhausts sources in Hong Kong. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 221-234.	0.9	45
110	Polycyclic aromatic hydrocarbons in urban atmosphere of Guangzhou, China: Size distribution characteristics and size-resolved gas-particle partitioning. <i>Atmospheric Environment</i> , 2012, 54, 194-200.	1.9	44
111	Determination of gaseous carbonyl compounds by their pentafluorophenyl hydrazones with gas chromatography/mass spectrometry. <i>Analytica Chimica Acta</i> , 2009, 635, 84-93.	2.6	43
112	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 emission-based box modeling study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 507-519.	1.2	43
113	Synthesis of Four Monoterpene-Derived Organosulfates and Their Quantification in Atmospheric Aerosol Samples. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6791-6801.	4.6	43
114	Hourly Measurements of Organic Molecular Markers in Urban Shanghai, China: Primary Organic Aerosol Source Identification and Observation of Cooking Aerosol Aging. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1670-1685.	1.2	43
115	Inter-comparison of NIOSH and IMPROVE protocols for OC and EC determination: implications for inter-protocol data conversion. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4547-4560.	1.2	42
116	Multiphase Reactions between Secondary Organic Aerosol and Sulfur Dioxide: Kinetics and Contributions to Sulfate Formation and Aerosol Aging. <i>Environmental Science and Technology Letters</i> , 2019, 6, 768-774.	3.9	42
117	High level of source-specific particulate matter air pollution associated with cardiac arrhythmias. <i>Science of the Total Environment</i> , 2019, 657, 1285-1293.	3.9	41
118	Modeling the Mass Transfer of Semivolatile Organics in Combustion Aerosols. <i>Environmental Science &amp; Technology</i> , 1994, 28, 2278-2285.	4.6	39
119	Source analysis of high particulate matter days in Hong Kong. <i>Atmospheric Environment</i> , 2009, 43, 1196-1203.	1.9	39
120	A field measurement based scaling approach for quantification of major ions, organic carbon, and elemental carbon using a single particle aerosol mass spectrometer. <i>Atmospheric Environment</i> , 2016, 143, 300-312.	1.9	39
121	The development of a cell-based model for the assessment of carcinogenic potential upon long-term PM <sub>2.5</sub> exposure. <i>Environment International</i> , 2019, 131, 104943.	4.8	39
122	Source apportionment of fine particulate matter in Macao, China with and without organic tracers: A comparative study using positive matrix factorization. <i>Atmospheric Environment</i> , 2019, 198, 183-193.	1.9	39
123	Source apportionment of PM <sub>2.5</sub> in Shanghai based on hourly organic molecular markers and other source tracers. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12047-12061.	1.9	39
124	Amplification of black carbon light absorption induced by atmospheric aging: temporal variation at seasonal and diel scales in urban Guangzhou. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2445-2470.	1.9	38
125	Optical properties, source apportionment and redox activity of humic-like substances (HULIS) in airborne fine particulates in Hong Kong. <i>Environmental Pollution</i> , 2019, 255, 113087.	3.7	37
126	Organosulfates in atmospheric aerosols in Shanghai, China: seasonal and interannual variability, origin, and formation mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2959-2980.	1.9	37



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127	Impacts of Chemical Degradation on the Global Budget of Atmospheric Levoglucosan and Its Use As a Biomass Burning Tracer. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5525-5536.	4.6	37
128	On the Flip Side of Mask Wearing: Increased Exposure to Volatile Organic Compounds and a Risk-Reducing Solution. <i>Environmental Science &amp; Technology</i> , 2021, 55, 14095-14104.	4.6	36
129	Secondary organic aerosol formation from ethylene in the urban atmosphere of Hong Kong: A multiphase chemical modeling study. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	34
130	Organosulfur Compounds Formed from Heterogeneous Reaction between SO <sub>2</sub> and Particulate-Bound Unsaturated Fatty Acids in Ambient Air. <i>Environmental Science and Technology Letters</i> , 2019, 6, 318-322.	3.9	34
131	Quantification of known and unknown terpenoid organosulfates in PM10 using untargeted LC- <sup>2</sup> HRMS/MS: contrasting summertime rural Germany and the North China Plain. <i>Environmental Chemistry</i> , 2019, 16, 333.	0.7	33
132	Mechanism-based quantitative structure-activity relationships for the inhibition of substituted phenols on germination rate of <i>Cucumis sativus</i> . <i>Chemosphere</i> , 2002, 46, 241-250.	4.2	32
133	An Integrated Source Apportionment Methodology and Its Application over the Yangtze River Delta Region, China. <i>Environmental Science &amp; Technology</i> , 2018, 52, 14216-14227.	4.6	31
134	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. <i>Science of the Total Environment</i> , 2019, 697, 134012.	3.9	31
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