

# Chak K. Chan

## List of Publications by Year in descending order

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232  
papers

16,956  
citations

15495

65  
h-index

18633

119  
g-index

283  
all docs

283  
docs citations

283  
times ranked

11508  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating organic aerosol emissions from cooking in winter over the Pearl River Delta region, China. <i>Environmental Pollution</i> , 2022, 292, 118266.	3.7	5
2	Particulate nitrate photolysis in the atmosphere. <i>Environmental Science Atmospheres</i> , 2022, 2, 111-127.	0.9	29
3	Aqueous secondary organic aerosol formation from the direct photosensitized oxidation of vanillin in the absence and presence of ammonium nitrate. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 273-293.	1.9	34
4	Photochemical Reactions of Glyoxal during Particulate Ammonium Nitrate Photolysis: Brown Carbon Formation, Enhanced Glyoxal Decay, and Organic Phase Formation. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1605-1614.	4.6	29
5	Real-time chemical characterization of single ambient particles at a port city in Chinese domestic emission control area – Impacts of ship emissions on urban air quality. <i>Science of the Total Environment</i> , 2022, 819, 153117.	3.9	15
6	The oxidative potential of fresh and aged elemental carbon-containing airborne particles: a review. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 525-546.	1.7	9
7	Assessing the Nonlinear Effect of Atmospheric Variables on Primary and Oxygenated Organic Aerosol Concentration Using Machine Learning. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1059-1066.	1.2	8
8	Technical note: Dispersion of cooking-generated aerosols from an urban street canyon. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2703-2726.	1.9	4
9	Decay Kinetics and Absorption Changes of Methoxyphenols and Nitrophenols during Nitrate-Mediated Aqueous Photochemical Oxidation at 254 and 313 nm. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1115-1125.	1.2	6
10	Single-particle Raman spectroscopy for studying physical and chemical processes of atmospheric particles. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3017-3044.	1.9	16
11	Reactive Uptake of Monoethanolamine by Sulfuric Acid Particles and Hygroscopicity of Monoethanolaminium Salts. <i>Environmental Science and Technology Letters</i> , 2022, 9, 16-21.	3.9	8
12	Competitive Uptake of Dimethylamine and Trimethylamine against Ammonia on Acidic Particles in Marine Atmospheres. <i>Environmental Science &amp; Technology</i> , 2022, 56, 5430-5439.	4.6	10
13	Inactivation of <i>Escherichia coli</i> in droplets at different ambient relative humidities: Effects of phase transition, solute and cell concentrations. <i>Atmospheric Environment</i> , 2022, 280, 119066.	1.9	4
14	Single particle diversity and mixing state of carbonaceous aerosols in Guangzhou, China. <i>Science of the Total Environment</i> , 2021, 754, 142182.	3.9	14
15	Concluding remarks: Faraday Discussion on air quality in megacities. <i>Faraday Discussions</i> , 2021, 226, 617-628.	1.6	2
16	Production of Formate via Oxidation of Glyoxal Promoted by Particulate Nitrate Photolysis. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5711-5720.	4.6	23
17	Nitrate Photolysis in Mixed Sucrose–Nitrate–Sulfate Particles at Different Relative Humidities. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3739-3747.	1.1	14
18	Characteristics, sources and evolution processes of atmospheric organic aerosols at a roadside site in Hong Kong. <i>Atmospheric Environment</i> , 2021, 252, 118298.	1.9	13

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19	Biotechnology of Plastic Waste Degradation, Recycling, and Valorization: Current Advances and Future Perspectives. <i>ChemSusChem</i> , 2021, 14, 4103-4114.	3.6	34
20	Biotechnology of Plastic Waste Degradation, Recycling, and Valorization: Current Advances and Future Perspectives. <i>ChemSusChem</i> , 2021, 14, 3981-3981.	3.6	8
21	Disentangling the contribution of the transboundary out-flow from the Asian continent to Tokyo, Japan. <i>Environmental Pollution</i> , 2021, 286, 117280.	3.7	1
22	Primary emissions and secondary production of organic aerosols from heated animal fats. <i>Science of the Total Environment</i> , 2021, 794, 148638.	3.9	2
23	Emissions and Secondary Formation of Air Pollutants from Modern Heavy-Duty Trucks in Real-World Traffic—Chemical Characteristics Using On-Line Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2021, 55, 14515-14525.	4.6	11
24	Investigation into the Phase—Activity Relationship of MnO <sub>2</sub> Nanomaterials toward Ozone-Assisted Catalytic Oxidation of Toluene. <i>Small</i> , 2021, 17, e2103052.	5.2	51
25	Nitrite/Nitrous Acid Generation from the Reaction of Nitrate and Fe(II) Promoted by Photolysis of Iron—Organic Complexes. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15715-15723.	4.6	18
26	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> , 2021, 55, 15694-15704.	4.6	25
27	Investigation into the Phase—Activity Relationship of MnO <sub>2</sub> Nanomaterials toward Ozone-Assisted Catalytic Oxidation of Toluene ( <i>Small</i> 50/2021). <i>Small</i> , 2021, 17, .	5.2	1
28	Source apportionment of secondary organic aerosols in the Pearl River Delta region: Contribution from the oxidation of semi-volatile and intermediate volatility primary organic aerosols. <i>Atmospheric Environment</i> , 2020, 222, 117111.	1.9	17
29	Reconciling Measurement and Prediction of Free and Solvated Water in Solution. <i>ACS Omega</i> , 2020, 5, 8754-8765.	1.6	8
30	Multiphase Photochemistry of Iron-Chloride Containing Particles as a Source of Aqueous Chlorine Radicals and Its Effect on Sulfate Production. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9862-9871.	4.6	17
31	Relative Humidity History Affects Hygroscopicity of Mixed Particles of Glyoxal and Reduced Nitrogenous Species. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7097-7106.	4.6	10
32	A transition of atmospheric emissions of particles and gases from on-road heavy-duty trucks. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1701-1722.	1.9	19
33	Enhanced Sulfate Production by Nitrate Photolysis in the Presence of Halide Ions in Atmospheric Particles. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3831-3839.	4.6	41
34	Contribution of Particulate Nitrate Photolysis to Heterogeneous Sulfate Formation for Winter Haze in China. <i>Environmental Science and Technology Letters</i> , 2020, 7, 632-638.	3.9	43
35	Application of SERS on the chemical speciation of individual Aitken mode particles after condensational growth. <i>Aerosol Science and Technology</i> , 2020, 54, 826-836.	1.5	3
36	Sources and formation of nucleation mode particles in remote tropical marine atmospheres over the South China Sea and the Northwest Pacific Ocean. <i>Science of the Total Environment</i> , 2020, 735, 139302.	3.9	9

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37	Effects of pretreatment temperature on the analysis of size-fractionated aerosol particles using ToF-SIMS. <i>Surface and Interface Analysis</i> , 2020, 52, 264-271.	0.8	0
38	Roadside assessment of a modern city bus fleet: Gaseous and particle emissions. <i>Atmospheric Environment: X</i> , 2019, 3, 100044.	0.8	14
39	Light absorption properties and potential sources of particulate brown carbon in the Pearl River Delta region of China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11669-11685.	1.9	27
40	A review of experimental techniques for aerosol hygroscopicity studies. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12631-12686.	1.9	80
41	Exploring the impacts of anthropogenic emission sectors on PM <sub>2.5</sub> and human health in South and East Asia. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11887-11910.	1.9	55
42	Seasonal and annual changes in PAH concentrations in a remote site in the Pacific Ocean. <i>Scientific Reports</i> , 2019, 9, 12591.	1.6	30
43	Effects of Phase State and Phase Separation on Dimethylamine Uptake of Ammonium Sulfate and Ammonium Sulfate-Sucrose Mixed Particles. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1268-1278.	1.2	10
44	Heterogeneous Oxidation of SO <sub>2</sub> in Sulfate Production during Nitrate Photolysis at 300 nm: Effect of pH, Relative Humidity, Irradiation Intensity, and the Presence of Organic Compounds. <i>Environmental Science &amp; Technology</i> , 2019, 53, 8757-8766.	4.6	76
45	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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5629-5649.	1.2	28
46	Electrospray surface-enhanced Raman spectroscopy (ES-SERS) for studying organic coatings of atmospheric aerosol particles. <i>Aerosol Science and Technology</i> , 2019, 53, 760-770.	1.5	13
47	Effect of Ozone Concentration and Relative Humidity on the Heterogeneous Oxidation of Linoleic Acid Particles by Ozone: An Insight into the Interchangeability of Ozone Concentration and Time. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 779-788.	1.2	19
48	Secondary Organic Aerosol Formation from Urban Roadside Air in Hong Kong. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3001-3009.	4.6	47
49	Positive matrix factorization: A data preprocessing strategy for direct mass spectrometry-based breath analysis. <i>Talanta</i> , 2019, 192, 32-39.	2.9	4
50	Reactive Uptake of Glyoxal by Methylammonium-Containing Salts as a Function of Relative Humidity. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 150-157.	1.2	17
51	Heterogeneous SO <sub>2</sub> Oxidation in Sulfate Formation by Photolysis of Particulate Nitrate. <i>Environmental Science and Technology Letters</i> , 2019, 6, 86-91.	3.9	116
52	Real time analysis of lead-containing atmospheric particles in Guangzhou during wintertime using single particle aerosol mass spectrometry. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 53-63.	2.9	12
53	Reactions of SO <sub>2</sub> and NH <sub>3</sub> with epoxy groups on the surface of graphite oxide powder. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6431-6439.	1.3	18
54	Real-time Breath Analysis by Using Secondary Nanoelectrospray Ionization Coupled to High Resolution Mass Spectrometry. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	6

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55	Significant Production of Secondary Organic Aerosol from Emissions of Heated Cooking Oils. <i>Environmental Science and Technology Letters</i> , 2018, 5, 32-37.	3.9	69
56	The size-resolved cloud condensation nuclei (CCN) activity and its prediction based on aerosol hygroscopicity and composition in the Pearl Delta River (PRD) region during wintertime 2014. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16419-16437.	1.9	29
57	Comparison of secondary organic aerosol formation from toluene on initially wet and dry ammonium sulfate particles at moderate relative humidity. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5677-5689.	1.9	33
58	Chemical characteristics of brown carbon in atmospheric particles at a suburban site near Guangzhou, China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16409-16418.	1.9	83
59	Size-resolved effective density of submicron particles during summertime in the rural atmosphere of Beijing, China. <i>Journal of Environmental Sciences</i> , 2018, 73, 69-77.	3.2	26
60	Primary and secondary organic aerosol from heated cooking oil emissions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11363-11374.	1.9	35
61	Viscosity of erythritol and erythritol-water particles as a function of water activity: new results and an intercomparison of techniques for measuring the viscosity of particles. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4809-4822.	1.2	4
62	Online gas- and particle-phase measurements of organosulfates, organosulfonates and nitrooxy organosulfates in Beijing utilizing a FIGAERO ToF-CIMS. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10355-10371.	1.9	62
63	Reactive Uptake of Glyoxal by Ammonium-Containing Salt Particles as a Function of Relative Humidity. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6903-6911.	4.6	45
64	Characteristics and mixing state of amine-containing particles at a rural site in the Pearl River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9147-9159.	1.9	31
65	Global Survey of Antibiotic Resistance Genes in Air. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10975-10984.	4.6	227
66	Formation and Evolution of aqSOA from Aqueous-Phase Reactions of Phenolic Carbonyls: Comparison between Ammonium Sulfate and Ammonium Nitrate Solutions. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9215-9224.	4.6	68
67	Real-time chemical characterization of atmospheric particulate matter in China: A review. <i>Atmospheric Environment</i> , 2017, 158, 270-304.	1.9	203
68	Role of oleic acid coating in the heterogeneous uptake of dimethylamine by ammonium sulfate particles. <i>Aerosol Science and Technology</i> , 2017, 51, 988-997.	1.5	16
69	Nanoscale spectroscopic and mechanical characterization of individual aerosol particles using peak force infrared microscopy. <i>Chemical Communications</i> , 2017, 53, 7397-7400.	2.2	16
70	Emission of volatile organic compounds and production of secondary organic aerosol from stir-frying spices. <i>Science of the Total Environment</i> , 2017, 599-600, 1614-1621.	3.9	54
71	Atmospheric particle composition-hygroscopic growth measurements using an in-series hybrid tandem differential mobility analyzer and aerosol mass spectrometer. <i>Aerosol Science and Technology</i> , 2017, 51, 694-703.	1.5	5
72	Reactive Uptake of Dimethylamine by Ammonium Sulfate and Ammonium Sulfate-Sucrose Mixed Particles. <i>Journal of Physical Chemistry A</i> , 2017, 121, 206-215.	1.1	23

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73	Defects of clean graphene and sputtered graphite surfaces characterized by time-of-flight secondary ion mass spectrometry and X-ray photoelectron spectroscopy. <i>Carbon</i> , 2017, 112, 192-200.	5.4	44
74	Mixing state of oxalic acid containing particles in the rural area of Pearl River Delta, China: implications for the formation mechanism of oxalic acid. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9519-9533.	1.9	36
75	Impacts of traffic emissions on atmospheric particulate nitrate and organics at a downwind site on the periphery of Guangzhou, China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10245-10258.	1.9	51
76	Diurnal and day-to-day characteristics of ambient particle mass size distributions from HR-ToF-AMS measurements at an urban site and a suburban site in Hong Kong. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13605-13624.	1.9	5
77	Electrospray surface-enhanced Raman spectroscopy (ES-SERS) for probing surface chemical compositions of atmospherically relevant particles. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14025-14037.	1.9	27
78	Evaluation of traffic exhaust contributions to ambient carbonaceous submicron particulate matter in an urban roadside environment in Hong Kong. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 15121-15135.	1.9	16
79	Heterogeneous uptake of ammonia and dimethylamine into sulfuric and oxalic acid particles. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6323-6339.	1.9	21
80	Formation of secondary organic aerosols from gas-phase emissions of heated cooking oils. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7333-7344.	1.9	59
81	The effect of hydroxyl functional groups and molar mass on the viscosity of non-crystalline organic and organic-water particles. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8509-8524.	1.9	35
82	Comparison of Aerosol Hygroscopicity, Volatility, and Chemical Composition between a Suburban Site in the Pearl River Delta Region and a Marine Site in Okinawa. <i>Aerosol and Air Quality Research</i> , 2017, 17, 3194-3208.	0.9	23
83	Photochemical smog in China: scientific challenges and implications for air-quality policies. <i>National Science Review</i> , 2016, 3, 401-403.	4.6	58
84	A note on the effects of inorganic seed aerosol on the oxidation state of secondary organic aerosol in pinene ozonolysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,476.	1.2	14
85	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
86	Particulate matter (PM) episodes at a suburban site in Hong Kong: evolution of PM characteristics and role of photochemistry in secondary aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14131-14145.	1.9	20
87	Continuous measurements at the urban roadside in an Asian megacity by Aerosol Chemical Speciation Monitor (ACSM): particulate matter characteristics during fall and winter seasons in Hong Kong. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1713-1728.	1.9	36
88	Measurements of non-volatile aerosols with a VTDMA and their correlations with carbonaceous aerosols in Guangzhou, China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8431-8446.	1.9	27
89	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
90	Seasonal characteristics of fine particulate matter (PM) based on high-resolution time-of-flight aerosol mass spectrometric (HR-ToF-AMS) measurements at the HKUST Supersite in Hong Kong. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 37-53.	1.9	108

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91	Water Activities and Osmotic Coefficients of Aqueous Solutions of Five Alkylammonium Sulfates and Their Mixtures with H <sub>2</sub> SO <sub>4</sub> at 25°C. <i>Aerosol Science and Technology</i> , 2015, 49, 566-579.	1.5	19
92	Comparison of Daytime and Nighttime New Particle Growth at the HKUST Supersite in Hong Kong. <i>Environmental Science &amp; Technology</i> , 2015, 49, 7170-7178.	4.6	38
93	Characterization and source identification of sub-micron particles at the HKUST Supersite in Hong Kong. <i>Science of the Total Environment</i> , 2015, 527-528, 287-296.	3.9	7
94	Clean graphene surface through high temperature annealing. <i>Carbon</i> , 2015, 94, 740-748.	5.4	81
95	Hygroscopic and phase transition properties of alkyl ammonium sulfates at low relative humidities. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19789-19796.	1.3	26
96	Analysis of Organic Sulfur Compounds in Atmospheric Aerosols at the HKUST Supersite in Hong Kong Using HR-ToF-AMS. <i>Environmental Science &amp; Technology</i> , 2015, 49, 3672-3679.	4.6	57
97	Relative Humidity-Dependent HTDMA Measurements of Ambient Aerosols at the HKUST Supersite in Hong Kong, China. <i>Aerosol Science and Technology</i> , 2015, 49, 643-654.	1.5	24
98	Simultaneous HTDMA and HR-ToF-AMS measurements at the HKUST Supersite in Hong Kong in 2011. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9864-9883.	1.2	44
99	Diffusion Sampler for Measurement of Acidic Ultrafine Particles in the Atmosphere. <i>Aerosol Science and Technology</i> , 2014, 48, 1236-1246.	1.5	4
100	Characterization of size-segregated aerosols using ToF-SIMS imaging and depth profiling. <i>Surface and Interface Analysis</i> , 2014, 46, 480-488.	0.8	14
101	Performance Evaluation of the Brechtel Mfg. Humidified Tandem Differential Mobility Analyzer (BMI) Tj ETQq1 1 0.784314 rgBT /Over 2014, 48, 969-980.	1.5	35
102	Size-resolved cloud condensation nuclei (CCN) activity and closure analysis at the HKUST Supersite in Hong Kong. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10267-10282.	1.9	69
103	Aqueous-phase photochemical oxidation and direct photolysis of vanillin – a model compound of methoxy phenols from biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2871-2885.	1.9	73
104	Oligomeric products and formation mechanisms from acid-catalyzed reactions of methyl vinyl ketone on acidic sulfate particles. <i>Journal of Atmospheric Chemistry</i> , 2013, 70, 1-18.	1.4	19
105	Physical and chemical characterization of ambient aerosol by HR-ToF-AMS at a suburban site in Hong Kong during springtime 2011. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8625-8639.	1.2	56
106	Surface Chemical Composition of Size-Fractionated Urban Walkway Aerosols Determined by X-Ray Photoelectron Spectroscopy. <i>Aerosol Science and Technology</i> , 2013, 47, 1118-1124.	1.5	30
107	Role of the Aerosol Phase State in Ammonia/Amines Exchange Reactions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 5755-5762.	4.6	53
108	Sizing Characterization of the Fast-Mobility Particle Sizer (FMPS) Against SMPS and HR-ToF-AMS. <i>Aerosol Science and Technology</i> , 2013, 47, 1030-1037.	1.5	37



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109	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). <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8739-8753.	1.9	66
110	Measuring Ambient Acidic Ultrafine Particles Using Iron Nanofilm Detectors: Method Development. <i>Aerosol Science and Technology</i> , 2012, 46, 521-532.	1.5	9
111	Roles of the Phase State and Water Content in Ozonolysis of Internal Mixtures of Maleic Acid and Ammonium Sulfate Particles. <i>Aerosol Science and Technology</i> , 2012, 46, 781-793.	1.5	10
112	Characterization of Organic Particles from Incense Burning Using an Aerodyne High-Resolution Time-of-Flight Aerosol Mass Spectrometer. <i>Aerosol Science and Technology</i> , 2012, 46, 654-665.	1.5	46
113	Displacement of Ammonium from Aerosol Particles by Uptake of Triethylamine. <i>Aerosol Science and Technology</i> , 2012, 46, 236-247.	1.5	47
114	Observation of aerosol size distribution and new particle formation at a mountain site in subtropical Hong Kong. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9923-9939.	1.9	65
115	Source and formation of secondary particulate matter in PM <sub>2.5</sub> in Asian continental outflow. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	55
116	Evidence of high PM <sub>2.5</sub> strong acidity in ammonia-rich atmosphere of Guangzhou, China: Transition in pathways of ambient ammonia to form aerosol ammonium at $[NH_4^+]/[SO_4^{2-}] = 1.5$ . <i>Atmospheric Research</i> , 2011, 99, 488-495.	1.8	81
117	Second-generation products contribute substantially to the particle-phase organic material produced by Î <sup>2</sup> -caryophyllene ozonolysis. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 121-132.	1.9	70
118	Enhanced Reactive Uptake of Nonanal by Acidic Aerosols in the Presence of Particle-Phase Organics. <i>Aerosol Science and Technology</i> , 2011, 45, 872-883.	1.5	15
119	Quantification of Airborne Elemental Carbon by Digital Imaging. <i>Aerosol Science and Technology</i> , 2011, 45, 581-586.	1.5	9
120	Process-Induced Phase Transformation of Berberine Chloride Hydrates. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 1942-1954.	1.6	38
121	Growth and Shrinkage of New Particles in the Atmosphere in Hong Kong. <i>Aerosol Science and Technology</i> , 2010, 44, 639-650.	1.5	51
122	Water Content and Phase Transitions in Particles of Inorganic and Organic Species and their Mixtures Using Micro-Raman Spectroscopy. <i>Aerosol Science and Technology</i> , 2010, 44, 269-280.	1.5	62
123	Acid-Catalyzed Condensed-Phase Reactions of Limonene and Terpineol and Their Impacts on Gas-to-Particle Partitioning in the Formation of Organic Aerosols. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5483-5489.	4.6	11
124	Effects of the Polymorphic Transformation of Glutaric Acid Particles on Their Deliquescence and Hygroscopic Properties. <i>Journal of Physical Chemistry A</i> , 2010, 114, 898-903.	1.1	25
125	Gas-Particle Partitioning of Alcohol Vapors on Organic Aerosols. <i>Environmental Science &amp; Technology</i> , 2010, 44, 257-262.	4.6	7
126	Phase Transition and Hygroscopic Properties of Internally Mixed Ammonium Sulfate and Adipic Acid (AS-AA) Particles by Optical Microscopic Imaging and Raman Spectroscopy. <i>Aerosol Science and Technology</i> , 2009, 43, 387-399.	1.5	44



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127	Managing air quality in a rapidly developing nation: China. <i>Atmospheric Environment</i> , 2009, 43, 79-86.	1.9	228
128	Carbon content of common airborne fungal species and fungal contribution to aerosol organic carbon in a subtropical city. <i>Atmospheric Environment</i> , 2009, 43, 2781-2787.	1.9	10
129	Formulation Development and Bioavailability Evaluation of a Self-Nanoemulsified Drug Delivery System of Oleanolic Acid. <i>AAPS PharmSciTech</i> , 2009, 10, 172-182.	1.5	155
130	The effect of H <sub>2</sub> O on the reduction of SO <sub>2</sub> and NO by CO on La <sub>2</sub> O <sub>2</sub> S. <i>Applied Catalysis B: Environmental</i> , 2008, 79, 110-116.	10.8	12
131	Physical characterization of oleanolic acid nonsolvate and solvates prepared by solvent recrystallization. <i>International Journal of Pharmaceutics</i> , 2008, 355, 195-202.	2.6	29
132	Air pollution in mega cities in China. <i>Atmospheric Environment</i> , 2008, 42, 1-42.	1.9	2,181
133	Effects of potassium nitrate on the solid phase transitions of ammonium nitrate particles. <i>Atmospheric Environment</i> , 2008, 42, 313-322.	1.9	30
134	Aerosol thermodynamics of potassium salts, double salts, and water content near the eutectic. <i>Atmospheric Environment</i> , 2008, 42, 3717-3728.	1.9	17
135	Coupling and evaluating gas/particle mass transfer treatments for aerosol simulation and forecast. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	44
136	A microscopic study of the effects of particle size and composition of atmospheric aerosols on the corrosion of mild steel. <i>Corrosion Science</i> , 2008, 50, 2927-2933.	3.0	15
137	Partial crystallization and deliquescence of particles containing ammonium sulfate and dicarboxylic acids. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	74
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