Hang Su

List of Publications by Citations

183 papers	9,224 citations	45 h-index	94 g-index
322 ext. papers	11,537 ext. citations	8 avg, IF	5.82 L-index

#	Paper	IF	Citations
183	MIX: a mosaic Asian anthropogenic emission inventory under the international collaboration framework of the MICS-Asia and HTAP. *Atmospheric Chemistry and Physics*, **2017**, 17, 935-963	6.8	744
182	Exploring the severe winter haze in Beijing: the impact of synoptic weather, regional transport and heterogeneous reactions. *Atmospheric Chemistry and Physics*, **2015**, 15, 2969-2983	6.8	634
181	Reactive nitrogen chemistry in aerosol water as a source of sulfate during haze events in China. *Science Advances*, **2016**, 2, e1601530	14.3	608
180	Rainforest aerosols as biogenic nuclei of clouds and precipitation in the Amazon. *Science*, **2010**, 329, 1513-6	33.3	461
179	Bioaerosols in the Earth system: Climate, health, and ecosystem interactions. *Atmospheric Research*, **2016**, 182, 346-376	5.4	406
178	Enhanced haze pollution by black carbon in megacities in China. *Geophysical Research Letters*, **2016**, 43, 2873-2879	4.9	399
177	Soil nitrite as a source of atmospheric HONO and OH radicals. *Science*, **2011**, 333, 1616-8	33.3	330
176	Aerosol- and updraft-limited regimes of cloud droplet formation: influence of particle number, size and hygroscopicity on the activation of cloud condensation nuclei (CCN). *Atmospheric Chemistry and Physics*, **2009**, 9, 7067-7080	6.8	241
175	Regional ozone pollution and observation-based approach for analyzing ozone–precursor relationship during the PRIDE-PRD2004 campaign. *Atmospheric Environment*, **2008**, 42, 6203-6218	5.3	230
174	Mapping Asian anthropogenic emissions of non-methane volatile organic compounds to multiple chemical mechanisms. *Atmospheric Chemistry and Physics*, **2014**, 14, 5617-5638	6.8	223
173	HONO emissions from soil bacteria as a major source of atmospheric reactive nitrogen. *Science*, **2013**, 341, 1233-5	33.3	207
172	Exploring the atmospheric chemistry of nitrous acid (HONO) at a rural site in Southern China. *Atmospheric Chemistry and Physics*, **2012**, 12, 1497-1513	6.8	166
171	The Amazon Tall Tower Observatory (ATTO): overview of pilot measurements on ecosystem ecology, meteorology, trace gases, and aerosols. *Atmospheric Chemistry and Physics*, **2015**, 15, 10723-10776	6.8	155
170	Rapid aerosol particle growth and increase of cloud condensation nucleus activity by secondary aerosol formation and condensation: A case study for regional air pollution in northeastern China. *Journal of Geophysical Research*, **2009**, 114,		153
169	Biogenic potassium salt particles as seeds for secondary organic aerosol in the Amazon. *Science*, **2012**, 337, 1075-8	33.3	150
168	Aerosol optical properties and related chemical apportionment at Xinken in Pearl River Delta of China. *Atmospheric Environment*, **2008**, 42, 6351-6372	5.3	145
167	Relative humidity dependence of aerosol optical properties and direct radiative forcing in the surface boundary layer at Xinken in Pearl River Delta of China: An observation based numerical study. *Atmospheric Environment*, **2008**, 42, 6373-6397	5.3	136

166	Nitrous acid (HONO) and its daytime sources at a rural site during the 2004 PRIDE-PRD experiment in China. *Journal of Geophysical Research*, **2008**, 113,		126
165	Cloud condensation nuclei in polluted air and biomass burning smoke near the mega-city Guangzhou, China – Part 2: Size-resolved aerosol chemical composition, diurnal cycles, and externally mixed weakly CCN-active soot particles. *Atmospheric Chemistry and Physics*, **2011**, 11, 2817-2836	6.8	123
164	Persistent growth of anthropogenic non-methane volatile organic compound (NMVOC) emissions in China during 1990–2017: drivers, speciation and ozone formation potential. *Atmospheric Chemistry and Physics*, **2019**, 19, 8897-8913	6.8	122
163	Severe Pollution in China Amplified by Atmospheric Moisture. *Scientific Reports*, **2017**, 7, 15760	4.9	122
162	Cloud condensation nuclei (CCN) from fresh and aged air pollution in the megacity region of Beijing. *Atmospheric Chemistry and Physics*, **2011**, 11, 11023-11039	6.8	115
161	Biological soil crusts accelerate the nitrogen cycle through large NO and HONO emissions in drylands. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15384-9	11.5	109
160	Observation of nighttime nitrous acid (HONO) formation at a non-urban site during PRIDE-PRD2004 in China. *Atmospheric Environment*, **2008**, 42, 6219-6232	5.3	101
159	Size dependence of phase transitions in aerosol nanoparticles. *Nature Communications*, **2015**, 6, 5923	17.4	99
158	Potential contribution of new particle formation to cloud condensation nuclei in Beijing. *Atmospheric Environment*, **2011**, 45, 6070-6077	5.3	94
157	Hygroscopicity distribution concept for measurement data analysis and modeling of aerosol particle mixing state with regard to hygroscopic growth and CCN activation. *Atmospheric Chemistry and Physics*, **2010**, 10, 7489-7503	6.8	89
156	Influence of soot mixing state on aerosol light absorption and single scattering albedo during air mass aging at a polluted regional site in northeastern China. *Journal of Geophysical Research*, **2009**, 114,		86
155	Observations of the vertical distributions of summertime atmospheric pollutants and the corresponding ozone production in Shanghai, China. *Atmospheric Chemistry and Physics*, **2017**, 17, 14275-14289	6.8	85
154	An observational study of the HONO–NO2 coupling at an urban site in Guangzhou City, South China. *Atmospheric Environment*, **2009**, 43, 5731-5742	5.3	84
153	Model Calculations of Aerosol Transmission and Infection Risk of COVID-19 in Indoor Environments. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	78
152	Episode-Based Evolution Pattern Analysis of Haze Pollution: Method Development and Results from Beijing, China. *Environmental Science & Technology*, **2016**, 50, 4632-41	10.3	78
151	MIX: a mosaic Asian anthropogenic emission inventory for the MICS-Asia and the HTAP projects		75
150	Face masks effectively limit the probability of SARS-CoV-2 transmission. *Science*, **2021**, 372,	33.3	73
149	Long-term observations of cloud condensation nuclei in the Amazon rain forest – Part 1: Aerosol size distribution, hygroscopicity, and new model parametrizations for CCN prediction. *Atmospheric Chemistry and Physics*, **2016**, 16, 15709-15740	6.8	72

148	Temperature effect on phase state and reactivity controls atmospheric multiphase chemistry and transport of PAHs. *Science Advances*, **2018**, 4, eaap7314	14.3	62
147	Size-resolved measurement of the mixing state of soot in the megacity Beijing, China: diurnal cycle, aging and parameterization. *Atmospheric Chemistry and Physics*, **2012**, 12, 4477-4491	6.8	60
146	Strong impact of wildfires on the abundance and aging of black carbon in the lowermost stratosphere. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E11595-E11603	11.5	59
145	Measuring the morphology and density of internally mixed black carbon with SP2 and VTDMA: new insight into the absorption enhancement of black carbon in the atmosphere. *Atmospheric Measurement Techniques*, **2016**, 9, 1833-1843	4	55
144	Isotopic constraints on heterogeneous sulfate production in Beijing haze. *Atmospheric Chemistry and Physics*, **2018**, 18, 5515-5528	6.8	53
143	Oxidant (O3 + NO2) production processes and formation regimes in Beijing. *Journal of Geophysical Research*, **2010**, 115,		53
142	Multiphase buffer theory explains contrasts in atmospheric aerosol acidity. *Science*, **2020**, 369, 1374-1377	33.3	52
141	A review of experimental techniques for aerosol hygroscopicity studies. *Atmospheric Chemistry and Physics*, **2019**, 19, 12631-12686	6.8	46
140	Amplification of light absorption of black carbon associated with air pollution. *Atmospheric Chemistry and Physics*, **2018**, 18, 9879-9896	6.8	46
139	Daytime formation of nitrous acid at a coastal remote site in Cyprus indicating a common ground source of atmospheric HONO and NO. *Atmospheric Chemistry and Physics*, **2016**, 16, 14475-14493	6.8	45
138	Daytime HONO formation in the suburban area of the megacity Beijing, China. *Science China Chemistry*, **2014**, 57, 1032-1042	7.9	45
137	Chemical Differences Between PM1 and PM2.5 in Highly Polluted Environment and Implications in Air Pollution Studies. *Geophysical Research Letters*, **2020**, 47, e2019GL086288	4.9	43
136	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the land–atmosphere–ocean–society continuum in the northern Eurasian region. *Atmospheric Chemistry and Physics*, **2016**, 16, 14421-14461	6.8	43
135	Substantial ozone enhancement over the North China Plain from increased biogenic emissions due to heat waves and land cover in summer 2017. *Atmospheric Chemistry and Physics*, **2019**, 19, 12195-12207	6.8	43
134	Traffic restrictions in Beijing during the Sino-African Summit 2006: aerosol size distribution and visibility compared to long-term in situ observations. *Atmospheric Chemistry and Physics*, **2008**, 8, 7583-7594	6.8	43
133	Photochemical Aqueous-Phase Reactions Induce Rapid Daytime Formation of Oxygenated Organic Aerosol on the North China Plain. *Environmental Science & Technology*, **2020**, 54, 3849-3860	10.3	42
132	Light absorption of brown carbon in eastern China based on 3-year multi-wavelength aerosol optical property observations and an improved absorption Ångström exponent segregation method. *Atmospheric Chemistry and Physics*, **2018**, 18, 9061-9074	6.8	41
131	Long-term observations of cloud condensation nuclei over the Amazon rain forest – Part 2: Variability and characteristics of biomass burning, long-range transport, and pristine rain forest aerosols. *Atmospheric Chemistry and Physics*, **2018**, 18, 10289-10331	6.8	41

130	Cloud droplet activation through oxidation of organic aerosol influenced by temperature and particle phase state. *Geophysical Research Letters*, **2017**, 44, 1583-1591	4.9	37
129	Emission of nitrous acid from soil and biological soil crusts represents an important source of HONO in the remote atmosphere in Cyprus. *Atmospheric Chemistry and Physics*, **2018**, 18, 799-813	6.8	36
128	Black and brown carbon over central Amazonia: long-term aerosol measurements at the ATTO site. *Atmospheric Chemistry and Physics*, **2018**, 18, 12817-12843	6.8	35
127	Soil HONO emissions at high moisture content are driven by microbial nitrate reduction to nitrite: tackling the HONO puzzle. *ISME Journal*, **2019**, 13, 1688-1699	11.9	34
126	Long-term study on coarse mode aerosols in the Amazon rain forest with the frequent intrusion of Saharan dust plumes. *Atmospheric Chemistry and Physics*, **2018**, 18, 10055-10088	6.8	33
125	Regional ozone pollution and key controlling factors of photochemical ozone production in Pearl River Delta during summer time. *Science China Chemistry*, **2010**, 53, 651-663	7.9	32
124	New Multiphase Chemical Processes Influencing Atmospheric Aerosols, Air Quality, and Climate in the Anthropocene. *Accounts of Chemical Research*, **2020**, 53, 2034-2043	24.3	32
123	Radical Formation by Fine Particulate Matter Associated with Highly Oxygenated Molecules. *Environmental Science & Technology*, **2019**, 53, 12506-12518	10.3	30
122	Atmospheric black carbon and warming effects influenced by the source and absorption enhancement in central Europe. *Atmospheric Chemistry and Physics*, **2014**, 14, 12683-12699	6.8	27
121	Competition of coagulation sink and source rate: New particle formation in the Pearl River Delta of China. *Atmospheric Environment*, **2010**, 44, 3278-3285	5.3	26
120	A parameterization of the heterogeneous hydrolysis of N₂O₅ for mass-based aerosol models: improvement of particulate nitrate prediction. *Atmospheric Chemistry and Physics*, **2018**, 18, 673-689	6.8	25
119	Sea salt emission, transport and influence on size-segregated nitrate simulation: a case study in northwestern Europe by WRF-Chem. *Atmospheric Chemistry and Physics*, **2016**, 16, 12081-12097	6.8	25
118	The characteristics of atmospheric ice nuclei measured at different altitudes in the Huangshan Mountains in Southeast China. *Advances in Atmospheric Sciences*, **2014**, 31, 396-406	2.9	25
117	Ambient measurement of fluorescent aerosol particles with a WIBS in the Yangtze River Delta of China: potential impacts of combustion-related aerosol particles. *Atmospheric Chemistry and Physics* , **2016**, 16, 11337-11348	6.8	24
116	The characteristics of atmospheric ice nuclei measured at the top of Huangshan (the Yellow Mountains) in Southeast China using a newly built static vacuum water vapor diffusion chamber. *Atmospheric Research*, **2015**, 153, 200-208	5.4	23
115	Natural gas shortages during the "coal-to-gas" transition in China have caused a large redistribution of air pollution in winter 2017. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 31018-31025	11.5	23
114	Atmospheric protein chemistry influenced by anthropogenic air pollutants: nitration and oligomerization upon exposure to ozone and nitrogen dioxide. *Faraday Discussions*, **2017**, 200, 413-427	3.6	22
113	Distinct diurnal variation in organic aerosol hygroscopicity and its relationship with oxygenated organic aerosol. *Atmospheric Chemistry and Physics*, **2020**, 20, 865-880	6.8	22

112	Oxidation processes in the eastern Mediterranean atmosphere: evidence from the modelling of HO_{<i>x</i>} measurements over Cyprus. *Atmospheric Chemistry and Physics*, **2018**, 18, 10825-10847	6.8	22
111	Spectral Intensity Bioaerosol Sensor (SIBS): an instrument for spectrally resolved fluorescence detection of single particles in real time. *Atmospheric Measurement Techniques*, **2019**, 12, 1337-1363	4	19
110	Assessment of cloud supersaturation by size-resolved aerosol particle and cloud condensation nuclei (CCN) measurements. *Atmospheric Measurement Techniques*, **2014**, 7, 2615-2629	4	19
109	Impact of biomass burning aerosols on radiation, clouds, and precipitation over the Amazon: relative importance of aerosol–cloud and aerosol–radiation interactions. *Atmospheric Chemistry and Physics*, **2020**, 20, 13283-13301	6.8	19
108	Mixing state and particle hygroscopicity of organic-dominated aerosols over the Pearl River Delta region in China. *Atmospheric Chemistry and Physics*, **2018**, 18, 14079-14094	6.8	19
107	Exploring the severe winter haze in Beijing **2014**,		18
106	Molecular dynamics simulation of the surface tension of aqueous sodium chloride: from dilute to highly supersaturated solutions and molten salt. *Atmospheric Chemistry and Physics*, **2018**, 18, 17077-17086	6.8	18
105	Uptake of gaseous formaldehyde by soil surfaces: a combination of adsorption/desorption equilibrium and chemical reactions. *Atmospheric Chemistry and Physics*, **2016**, 16, 10299-10311	6.8	17
104	3-D model simulations of dynamical and microphysical interactions in pyroconvective clouds under idealized conditions. *Atmospheric Chemistry and Physics*, **2014**, 14, 7573-7583	6.8	17
103	Aerosol pH and chemical regimes of sulfate formation in aerosol water during winter haze in the North China Plain. *Atmospheric Chemistry and Physics*, **2020**, 20, 11729-11746	6.8	17
102	Influx of African biomass burning aerosol during the Amazonian dry season through layered transatlantic transport of black carbon-rich smoke. *Atmospheric Chemistry and Physics*, **2020**, 20, 4757-4785	6.8	16
101	Hygroscopicity of organic surrogate compounds from biomass burning and their effect on the efflorescence of ammonium sulfate in mixed aerosol particles. *Atmospheric Chemistry and Physics*, **2018**, 18, 1045-1064	6.8	16
100	Second inflection point of water surface tension in the deeply supercooled regime revealed by entropy anomaly and surface structure using molecular dynamics simulations. *Physical Chemistry Chemical Physics*, **2019**, 21, 3360-3369	3.6	16
99	Light-induced protein nitration and degradation with HONO emission. *Atmospheric Chemistry and Physics*, **2017**, 17, 11819-11833	6.8	15
98	Analysis on concentration and source rate of precursor vapors participating in particle formation and growth at xinken in the Pearl River Delta of China. *Advances in Atmospheric Sciences*, **2008**, 25, 427-436	2.9	15
97	Scanning supersaturation condensation particle counter applied as a nano-CCN counter for size-resolved analysis of the hygroscopicity and chemical composition of nanoparticles. *Atmospheric Measurement Techniques*, **2015**, 8, 2161-2172	4	14
96	Reduction in black carbon light absorption due to multi-pollutant emission control during APEC China 2014. *Atmospheric Chemistry and Physics*, **2018**, 18, 10275-10287	6.8	14
95	Dust-Dominated Coarse Particles as a Medium for Rapid Secondary Organic and Inorganic Aerosol Formation in Highly Polluted Air. *Environmental Science & Technology*, **2020**, 54, 15710-15721	10.3	14

94	Quantifying the role of PM dropping in variations of ground-level ozone: Inter-comparison between Beijing and Los Angeles. *Science of the Total Environment*, **2021**, 788, 147712	10.2	14
93	Evaluation of the size segregation of elemental carbon (EC) emission in Europe: influence on the simulation of EC long-range transportation. *Atmospheric Chemistry and Physics*, **2016**, 16, 1823-1835	6.8	13
92	Comprehensive mapping and characteristic regimes of aerosol effects on the formation and evolution of pyro-convective clouds. *Atmospheric Chemistry and Physics*, **2015**, 15, 10325-10348	6.8	13
91	Sizing of Ambient Particles From a Single-Particle Soot Photometer Measurement to Retrieve Mixing State of Black Carbon at a Regional Site of the North China Plain. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 12,778	4.4	13
90	Increase of High Molecular Weight Organosulfate With Intensifying Urban Air Pollution in the Megacity Beijing. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD032200	4.4	12
89	Molecular markers of biomass burning and primary biological aerosols in urban Beijing: size distribution and seasonal variation. *Atmospheric Chemistry and Physics*, **2020**, 20, 3623-3644	6.8	12
88	An online monitoring system for atmospheric nitrous acid (HONO) based on stripping coil and ion chromatography. *Journal of Environmental Sciences*, **2013**, 25, 895-907	6.4	12
87	Measurements of higher alkanes using NO⁺ chemical ionization in PTR-ToF-MS: important contributions of higher alkanes to secondary organic aerosols in China. *Atmospheric Chemistry and Physics*, **2020**, 20, 14123-14138	6.8	12
86	Effects of Aerosol Water Content on the formation of secondary inorganic aerosol during a Winter Heavy PM2.5 Pollution Episode in Xi'an, China. *Atmospheric Environment*, **2021**, 252, 118304	5.3	12
85	Relative importance of gas uptake on aerosol and ground surfaces characterized by equivalent uptake coefficients. *Atmospheric Chemistry and Physics*, **2019**, 19, 10981-11011	6.8	11
84	Modeling the aging process of black carbon during atmospheric transport using a new approach: a case study in Beijing. *Atmospheric Chemistry and Physics*, **2019**, 19, 9663-9680	6.8	10
83	High Concentrations of Atmospheric Isocyanic Acid (HNCO) Produced from Secondary Sources in China. *Environmental Science & Technology*, **2020**, 54, 11818-11826	10.3	10
82	Light absorption of black carbon and brown carbon in winter in North China Plain: comparisons between urban and rural sites. *Science of the Total Environment*, **2021**, 770, 144821	10.2	10
81	Multiphase chemistry experiment in Fogs and Aerosols in the North China Plain (McFAN): integrated analysis and intensive winter campaign 2018. *Faraday Discussions*, **2021**, 226, 207-222	3.6	10
80	Contributions of volatile and nonvolatile compounds (at 300°C) to condensational growth of atmospheric nanoparticles: An assessment based on 8.5 years of observations at the Central Europe background site Melpitz. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 485-497	4.4	9
79	Physicochemical uptake and release of volatile organic compounds by soil in coated-wall flow tube experiments with ambient air. *Atmospheric Chemistry and Physics*, **2019**, 19, 2209-2232	6.8	9
78	Molecular characterization of firework-related urban aerosols using Fourier transform ion cyclotron resonance mass spectrometry. *Atmospheric Chemistry and Physics*, **2020**, 20, 6803-6820	6.8	9
77	Hygroscopicity of amino acids and their effect on the water uptake of ammonium sulfate in the mixed aerosol particles. *Science of the Total Environment*, **2020**, 734, 139318	10.2	8

76	Dependence of the hygroscopicity parameter on particle size, humidity and solute concentration: implications for laboratory experiments, field measurements and model studies **2017**,		8
75	Tandem configuration of differential mobility and centrifugal particle mass analysers for investigating aerosol hygroscopic properties. *Atmospheric Measurement Techniques*, **2017**, 10, 1269-1280	4	8
74	Correction to Oxidant (O3+NO2) production processes and formation regimes in Beijing *Journal of Geophysical Research*, **2010**, 115,		8
73	Development and Assessment of a High-Resolution Biogenic Emission Inventory from Urban Green Spaces in China.. *Environmental Science & Technology*, **2021**,	10.3	8
72	Aerosol-boundary-layer-monsoon interactions amplify semi-direct effect of biomass smoke on low cloud formation in Southeast Asia. *Nature Communications*, **2021**, 12, 6416	17.4	7
71	Multifactor colorimetric analysis on pH-indicator papers: an optimized approach for direct determination of ambient aerosol pH. *Atmospheric Measurement Techniques*, **2020**, 13, 6053-6065	4	7
70	High daytime abundance of primary organic aerosols over Mt. Emei, Southwest China in summer. *Science of the Total Environment*, **2020**, 703, 134475	10.2	7
69	Quaternary phosphonium modified cellulose microsphere adsorbent for Tc decontamination with ultra-high selectivity. *Journal of Hazardous Materials*, **2021**, 401, 123354	12.8	7
68	Size-Resolved Single-Particle Fluorescence Spectrometer for Real-Time Analysis of Bioaerosols: Laboratory Evaluation and Atmospheric Measurements. *Environmental Science & Technology*, **2019**, 53, 13257-13264	10.3	6
67	A pre-targeting strategy for imaging glucose metabolism using technetium-99m labelled dibenzocyclooctyne derivative. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 1791-1798	2.9	6
66	Natural sea-salt emissions moderate the climate forcing of anthropogenic nitrate. *Atmospheric Chemistry and Physics*, **2020**, 20, 771-786	6.8	6
65	The Amazon Tall Tower Observatory (ATTO) in the remote Amazon Basin: overview of first results from ecosystem ecology, meteorology, trace gas, and aerosol measurements		6
64	Secondary aerosol formation alters CCN activity in the North China Plain. *Atmospheric Chemistry and Physics*, **2021**, 21, 7409-7427	6.8	6
63	Hygroscopic properties of NaCl nanoparticles on the surface: a scanning force microscopy study. *Physical Chemistry Chemical Physics*, **2020**, 22, 9967-9973	3.6	5
62	Technical note: Influence of surface roughness and local turbulence on coated-wall flow tube experiments for gas uptake and kinetic studies. *Atmospheric Chemistry and Physics*, **2018**, 18, 2669-2686	6.8	5
61	Unveiling the dipole synergic effect of biogenic and anthropogenic emissions on ozone concentrations. *Science of the Total Environment*, **2021**, 818, 151722	10.2	5
60	Increase of nitrooxy organosulfates in firework-related urban aerosols during Chinese New Year's Eve. *Atmospheric Chemistry and Physics*, **2021**, 21, 11453-11465	6.8	5
59	Predicting cloud condensation nuclei number concentration based on conventional measurements of aerosol properties in the North China Plain. *Science of the Total Environment*, **2020**, 719, 137473	10.2	4

58	Long-term observations of cloud condensation nuclei in the Amazon rain forest Part 2: Variability and characteristic differences under near-pristine, biomass burning, and long-range transport conditions **2017**,		4
57	Identifying Dominant Sources of Respirable Suspended Particulates in Guangzhou, China. *Environmental Engineering Science*, **2008**, 25, 959-968	2	4
56	Impacts of biogenic emissions from urban landscapes on summer ozone and secondary organic aerosol formation in megacities.. *Science of the Total Environment*, **2021**, 152654	10.2	4
55	Aerosol- and updraft-limited regimes of cloud droplet formation: influence of particle number, size and hygroscopicity on the activation of cloud condensation nuclei (CCN)		4
54	Black and brown carbon over central Amazonia: Long-term aerosol measurements at the ATTO site **2017**,		3
53	Size-resolved measurement of the mixing state of soot in the megacity Beijing, China: diurnal cycle, aging and parameterization		3
52	Nano-hygroscopicity tandem differential mobility analyzer (nano-HTDMA) for investigating hygroscopic properties of sub-10 nm aerosol nanoparticles. *Atmospheric Measurement Techniques*, **2020**, 13, 5551-5567	4	3
51	The Exchange of Soil Nitrite and Atmospheric HONO: A Missing Process in the Nitrogen Cycle and Atmospheric Chemistry. *NATO Science for Peace and Security Series C: Environmental Security*, **2013**, 93-99	0.3	3
50	Effect of mixing structure on the water uptake of mixtures of ammonium sulfate and phthalic acid particles. *Atmospheric Chemistry and Physics*, **2021**, 21, 2179-2190	6.8	3
49	Highly Resolved Dynamic Emissions of Air Pollutants and Greenhouse Gas CO2 during COVID-19 Pandemic in East China. *Environmental Science and Technology Letters*,	11	3
48	Aerosol pH and chemical regimes of sulfate formation in aerosol water during winter haze in the North China Plain **2020**,		2
47	Mixing State of Refractory Black Carbon of the North China Plain Regional Aerosol Combining a Single Particle Soot Photometer and a Volatility Tandem Differential Mobility Analyzer **2017**,		2
46	Effective density and hygroscopicity of protein particles generated with spray-drying process. *Journal of Aerosol Science*, **2019**, 137, 105441	4.3	2
45	Regional modelling of polycyclic aromatic hydrocarbons: WRF-Chem-PAH model development and East Asia case studies. *Atmospheric Chemistry and Physics*, **2017**, 17, 12253-12267	6.8	2
44	Molecular Dynamics Simulation of the Surface Tension of Aqueous Sodium Chloride: from Dilute to Highly Supersaturated Solutions and Molten Salt **2017**,		2
43	Multifactor colorimetric analysis on pH-indicator papers: an optimized approach for direct determination of ambient aerosol pH		2
42	Measuring morphology and density of internally mixed black carbon with SP2 and VTDMA: new insight to absorption enhancement of black carbon in the atmosphere		2
41	Supplementary material to "Mixing State of Refractory Black Carbon of the North China Plain Regional Aerosol Combining a Single Particle Soot Photometer and a Volatility Tandem Differential Mobility Analyzer"		2

40	Cloud condensation nuclei in polluted air and biomass burning smoke near the mega-city Guangzhou, China Part 2: Size-resolved aerosol chemical composition, diurnal cycles, and externally mixed CCN-inactive soot particles		2
39	Reactive nitrogen around the Arabian Peninsula and in the Mediterranean Sea during the 2017 AQABA ship campaign. *Atmospheric Chemistry and Physics*, **2021**, 21, 7473-7498	6.8	2
38	Pan-Eurasian Experiment (PEEX): Towards holistic understanding of the feedbacks and interactions in the land atmosphere ocean society continuum in the Northern Eurasian region **2016**,		2
37	Substantial ozone enhancement over the North China Plain from increased biogenic emissions due to heat waves and land cover in summer 2017 **2019**,		1
36	A review of experimental techniques for aerosol hygroscopicity studies **2019**,		1
35	Sea salt emission, transportation and influence on nitrate simulation: a case study in Europe **2016**,		1
34	Long-term study on coarse mode aerosols in the Amazon rain forest with the frequent intrusion of Saharan dust plumes **2017**,		1
33	Impacts of emission controls and perturbations on an intense convective precipitation event during the 2008 Beijing Olympic Games **2013**,		1
32	Volatile organic compounds in wintertime North China Plain: Insights from measurements of proton transfer reaction time-of-flight mass spectrometer (PTR-ToF-MS).. *Journal of Environmental Sciences*, **2022**, 114, 98-114	6.4	1
31	Water-driven microbial nitrogen transformations in biological soil crusts causing atmospheric nitrous acid and nitric oxide emissions. *ISME Journal*, **2021**,	11.9	1
30	Aerosol and dynamic effects on the formation and evolution of pyro-clouds		1
29	Chemical Characterization and Source Apportionment of Organic Aerosols in the Coastal City of Chennai, India: Impact of Marine Air Masses on Aerosol Chemical Composition and Potential for Secondary Organic Aerosol Formation. *ACS Earth and Space Chemistry*,	3.2	1
28	High efficacy of face masks explained by characteristic regimes of airborne SARS-CoV-2 virus abundance		1
27	Evaluation of size segregation of elemental carbon emission in Europe: influence on atmospheric long-range transportation		1
26	3-D model simulations of dynamical and microphysical interactions in pyro-convective clouds under idealized conditions		1
25	Assessment of cloud supersaturation by aerosol particle and cloud condensation nuclei (CCN) measurements		1
24	Mapping Asian anthropogenic emissions of non-methane volatile organic compounds to multiple chemical mechanisms		1
23	Measurements of higher alkanes using NO⁺PTR-ToF-MS: significant contributions of higher alkanes to secondary organic aerosols in China **2020**,		1

22	Exploring the Drivers and Photochemical Impact of the Positive Correlation between Single Scattering Albedo and Aerosol Optical Depth in the Troposphere. *Environmental Science and Technology Letters*, **2021**, 8, 504-510	11	1
21	A broad supersaturation scanning (BS2) approach for rapid measurement of aerosol particle hygroscopicity and cloud condensation nuclei activity. *Atmospheric Measurement Techniques*, **2016**, 9, 5183-5192	4	1
20	Oxidation processes in the Eastern Mediterranean atmosphere: Evidence from the Modelling of HO_x Measurements over Cyprus **2018**,		1
19	Reduction in black carbon light absorption due to multi-pollutant emission control during APEC China 2014 **2018**,		1
18	Physicochemical uptake and release of volatile organic compounds by soil in coated-wall flow tube experiments with ambient air **2018**,		1
17	Bimodal distribution of size-resolved particle effective density: results from a short campaign in a rural environment over the North China Plain. *Atmospheric Chemistry and Physics*, **2022**, 22, 2029-2047	6.8	1
16	Hygroscopicity of organic compounds as a function of organic functionality, water solubility, molecular weight, and oxidation level. *Atmospheric Chemistry and Physics*, **2022**, 22, 3985-4004	6.8	1
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