Jose L Jimenez

List of Publications by Year in Descending Order

626 papers	60,809 citations	126 h-index	233 g-index
816 ext. papers	70,367 ext. citations	7.2 avg, IF	7.48 L-index

#	Paper	IF	Citations
626	A systematic re-evaluation of methods for quantification of bulk particle-phase organic nitrates using real-time aerosol mass spectrometry. *Atmospheric Measurement Techniques*, **2022**, 15, 459-483	4	2
625	Field observational constraints on the controllers in glyoxal (CHOCHO) reactive uptake to aerosol. *Atmospheric Chemistry and Physics*, **2022**, 22, 805-821	6.8	2
624	Practical Indicators for Risk of Airborne Transmission in Shared Indoor Environments and Their Application to COVID-19 Outbreaks.. *Environmental Science & Technology*, **2022**,	10.3	16
623	Quantifying transmission risk of SARS-CoV-2 in different situations.. *BMJ, The*, **2022**, 376, o106	5.9	0
622	Exploring dimethyl sulfide (DMS) oxidation and implications for global aerosol radiative forcing. *Atmospheric Chemistry and Physics*, **2022**, 22, 1549-1573	6.8	5
621	Transmission of SARS-CoV-2: still up in the air - Authors' reply.. *Lancet, The*, **2022**, 399, 519-520	40	1
620	Teaching Instrumental Analysis during the Pandemic: Application of Handheld CO Monitors to Explore COVID-19 Transmission Risks.. *Journal of Chemical Education*, **2022**, 99, 1794-1801	2.4	2
619	Identifying chemical aerosol signatures using optical suborbital observations: how much can optical properties tell us about aerosol composition?. *Atmospheric Chemistry and Physics*, **2022**, 22, 3713-3742	6.8	0
618	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. *Atmospheric Chemistry and Physics*, **2022**, 22, 4253-4275	6.8	2
617	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires.. *Environmental Science & Technology*, **2022**,	10.3	2
616	Ozone chemistry in western U.S. wildfire plumes. *Science Advances*, **2021**, 7, eabl3648	14.3	6
615	Transmission of SARS-CoV-2 by inhalation of respiratory aerosol in the Skagit Valley Chorale superspreading event. *Indoor Air*, **2021**, 31, 314-323	5.4	274
614	THE NASA ATMOSPHERIC TOMOGRAPHY (ATom) MISSION: Imaging the Chemistry of the Global Atmosphere. *Bulletin of the American Meteorological Society*, **2021**, 1-53	6.1	6
613	Machine Learning Uncovers Aerosol Size Information From Chemistry and Meteorology to Quantify Potential Cloud-Forming Particles. *Geophysical Research Letters*, **2021**, 48,	4.9	1
612	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. *Environmental Science & Technology*, **2021**, 55, 15646-15657	10.3	2
611	How can ventilation be improved on public transportation buses? Insights from CO measurements. *Environmental Research*, **2021**, 112451	7.9	5
610	Relating geostationary satellite measurements of aerosol optical depth (AOD) over East Asia to fine particulate matter (PM_{2.5}): insights from the KORUS-AQ aircraft campaign and GEOS-Chem model simulations. *Atmospheric Chemistry and Physics*, **2021**, 21, 16775-16791	6.8	4

609	Ambient aerosol properties in the remote atmosphere from global-scale in situ measurements. *Atmospheric Chemistry and Physics*, **2021**, 21, 15023-15063	6.8	4
608	How did we get here: what are droplets and aerosols and how far do they go? A historical perspective on the transmission of respiratory infectious diseases.. *Interface Focus*, **2021**, 11, 20210049	3.9	21
607	Evolution of OH reactivity in NO-free volatile organic compound photooxidation investigated by the fully explicit GECKO-A model. *Atmospheric Chemistry and Physics*, **2021**, 21, 14649-14669	6.8	1
606	The World Health Network: a global citizens' initiative. *Lancet, The*, **2021**, 398, 1567-1568	40	0
605	Determining Activity Coefficients of SOA from Isothermal Evaporation in a Laboratory Chamber. *Environmental Science and Technology Letters*, **2021**, 8, 212-217	11	0
604	Quantification and source characterization of volatile organic compounds from exercising and application of chlorine-based cleaning products in a university athletic center. *Indoor Air*, **2021**, 31, 1323-1339	5.4	16
603	Aerosol pH indicator and organosulfate detectability from aerosol mass spectrometry measurements. *Atmospheric Measurement Techniques*, **2021**, 14, 2237-2260	4	6
602	Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). *Journal of Hospital Infection*, **2021**, 110, 89-96	6.9	130
601	Exhaled CO2 as a COVID-19 Infection Risk Proxy for Different Indoor Environments and Activities. *Environmental Science and Technology Letters*, **2021**, 8, 392-397	11	59
600	HCOOH in the remote atmosphere: Constraints from Atmospheric Tomography (ATom) airborne observations. *ACS Earth and Space Chemistry*, **2021**, 5, 1436-1454	3.2	2
599	A paradigm shift to combat indoor respiratory infection. *Science*, **2021**, 372, 689-691	33.3	73
598	The importance of size ranges in aerosol instrument intercomparisons: a case study for the Atmospheric Tomography Mission. *Atmospheric Measurement Techniques*, **2021**, 14, 3631-3655	4	12
597	Ten scientific reasons in support of airborne transmission of SARS-CoV-2. *Lancet, The*, **2021**, 397, 1603-1605	40	294
596	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. *Communications Earth & Environment*, **2021**, 2,	6.1	7
595	Sizing response of the Ultra-High Sensitivity Aerosol Spectrometer (UHSAS) and Laser Aerosol Spectrometer (LAS) to changes in submicron aerosol composition and refractive index. *Atmospheric Measurement Techniques*, **2021**, 14, 4517-4542	4	4
594	Quantification of cooking organic aerosol in the indoor environment using aerodyne aerosol mass spectrometers. *Aerosol Science and Technology*, **2021**, 55, 1099-1114	3.4	9
593	Large Emissions of Low-Volatility Siloxanes during Residential Oven Use. *Environmental Science and Technology Letters*, **2021**, 8, 519-524	11	7
592	Quantifying Atmospheric Parameter Ranges for Ambient Secondary Organic Aerosol Formation. *ACS Earth and Space Chemistry*, **2021**, 5, 2380-2397	3.2	1

591	Real-time organic aerosol chemical speciation in the indoor environment using extractive electrospray ionization mass spectrometry. *Indoor Air*, **2021**, 31, 141-155	5.4	15
590	An in situ gas chromatograph with automatic detector switching between PTR- and EI-TOF-MS: isomer-resolved measurements of indoor air. *Atmospheric Measurement Techniques*, **2021**, 14, 133-152	4	7
589	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. *Atmospheric Measurement Techniques*, **2021**, 14, 1545-1559	4	6
588	Future changes in isoprene-epoxydiol-derived secondary organic aerosol (IEPOX SOA) under the Shared Socioeconomic Pathways: the importance of physicochemical dependency. *Atmospheric Chemistry and Physics*, **2021**, 21, 3395-3425	6.8	4
587	Impact of stratospheric air and surface emissions on tropospheric nitrous oxide during ATom. *Atmospheric Chemistry and Physics*, **2021**, 21, 11113-11132	6.8	3
586	Relative Humidity Predicts Day-to-Day Variations in COVID-19 Cases in the City of Buenos Aires. *Environmental Science & Technology*, **2021**, 55, 11176-11182	10.3	2
585	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. *Atmospheric Chemistry and Physics*, **2021**, 21, 11201-11224	6.8	12
584	Airborne transmission of respiratory viruses. *Science*, **2021**, 373,	33.3	160
583	Sources of Gas-Phase Species in an Art Museum from Comprehensive Real-Time Measurements. *ACS Earth and Space Chemistry*, **2021**, 5, 2252-2267	3.2	0
582	Halogens Enhance Haze Pollution in China. *Environmental Science & Technology*, **2021**, 55, 13625-13637	10.3	4
581	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere.. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
580	Oxidation Flow Reactor Results in a Chinese Megacity Emphasize the Important Contribution of S/IVOCs to Ambient SOA Formation.. *Environmental Science & Technology*, **2021**,	10.3	3
579	Contribution of Organic Nitrates to Organic Aerosol over South Korea during KORUS-AQ. *Environmental Science & Technology*, **2021**,	10.3	1
578	Putting a balance on the aerosolization debate around SARS-CoV-2. *Journal of Hospital Infection*, **2020**, 105, 569-570	6.9	26
577	How can airborne transmission of COVID-19 indoors be minimised?. *Environment International*, **2020** , 142, 105832	12.9	525
576	Asian dust observed during KORUS-AQ facilitates the uptake and incorporation of soluble pollutants during transport to South Korea. *Atmospheric Environment*, **2020**, 224, 117305	5.3	8
575	Nitrate radical generation via continuous generation of dinitrogen pentoxide in a laminar flow reactor coupled to an oxidation flow reactor. *Atmospheric Measurement Techniques*, **2020**, 13, 2397-2411	4	2
574	How emissions uncertainty influences the distribution and radiative impacts of smoke from fires in North America. *Atmospheric Chemistry and Physics*, **2020**, 20, 2073-2097	6.8	31

573	Characterization of organic aerosol across the global remote troposphere: a comparison of ATom measurements and global chemistry models. *Atmospheric Chemistry and Physics*, **2020**, 20, 4607-4635	6.8	38
572	Exploration of oxidative chemistry and secondary organic aerosol formation in the Amazon during the wet season: explicit modeling of the Manaus urban plume with GECKO-A. *Atmospheric Chemistry and Physics*, **2020**, 20, 5995-6014	6.8	4
571	Understanding and improving model representation of aerosol optical properties for a Chinese haze event measured during KORUS-AQ. *Atmospheric Chemistry and Physics*, **2020**, 20, 6455-6478	6.8	10
570	Estimates of Regional Source Contributions to the Asian Tropopause Aerosol Layer Using a Chemical Transport Model. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD031506	4.4	10
569	Ambient Quantification and Size Distributions for Organic Aerosol in Aerosol Mass Spectrometers with the New Capture Vaporizer. *ACS Earth and Space Chemistry*, **2020**, 4, 676-689	3.2	7
568	Measurements and modeling of absorptive partitioning of volatile organic compounds to painted surfaces. *Indoor Air*, **2020**, 30, 745-756	5.4	13
567	Resolving ambient organic aerosol formation and aging pathways with simultaneous molecular composition and volatility observations. *ACS Earth and Space Chemistry*, **2020**, 4, 391-402	3.2	8
566	Quantitative detection of iodine in the stratosphere. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 1860-1866	11.5	35
565	Natural and Anthropogenically Influenced Isoprene Oxidation in Southeastern United States and Central Amazon. *Environmental Science & Technology*, **2020**, 54, 5980-5991	10.3	13
564	Predictions of the glass transition temperature and viscosity of organic aerosols by volatility distributions **2020**,		1
563	Investigation of factors controlling PM variability across the South Korean Peninsula during KORUS-AQ. *Elementa*, **2020**, 8,	3.6	28
562	Long-term observational constraints of organic aerosol dependence on inorganic species in the southeast US. *Atmospheric Chemistry and Physics*, **2020**, 20, 13091-13107	6.8	5
561	An evaluation of global organic aerosol schemes using airborne observations. *Atmospheric Chemistry and Physics*, **2020**, 20, 2637-2665	6.8	44
560	Predictions of the glass transition temperature and viscosity of organic aerosols from volatility distributions. *Atmospheric Chemistry and Physics*, **2020**, 20, 8103-8122	6.8	17
559	Interferences with aerosol acidity quantification due to gas-phase ammonia uptake onto acidic sulfate filter samples. *Atmospheric Measurement Techniques*, **2020**, 13, 6193-6213	4	3
558	New SOA Treatments Within the Energy Exascale Earth System Model (E3SM): Strong Production and Sinks Govern Atmospheric SOA Distributions and Radiative Forcing. *Journal of Advances in Modeling Earth Systems*, **2020**, 12, e2020MS002266	7.1	7
557	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 4505-4510	11.5	61
556	Fine particle pH and sensitivity to NH₃ and HNO₃ over summertime South Korea during KORUS-AQ **2020**,		1

555	Contrasting Reactive Organic Carbon Observations in the Southeast United States (SOAS) and Southern California (CalNex). *Environmental Science & Technology*, **2020**, 54, 14923-14935	10.3	3
554	Development and application of a low-cost vaporizer for rapid, quantitative, in situ addition of organic gases and particles to an environmental chamber. *Aerosol Science and Technology*, **2020**, 54, 1567-1578	3.4	4
553	Always Lost but Never Forgotten: Gas-Phase Wall Losses Are Important in All Teflon Environmental Chambers. *Environmental Science & Technology*, **2020**, 54, 12890-12897	10.3	13
552	Indoor Surface Chemistry: Developing a Molecular Picture of Reactions on Indoor Interfaces. *CheM*, **2020**, 6, 3203-3218	16.2	31
551	Radical chemistry in oxidation flow reactors for atmospheric chemistry research. *Chemical Society Reviews*, **2020**, 49, 2570-2616	58.5	26
550	Biomass Burning Markers and Residential Burning in the WINTER Aircraft Campaign. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 1846-1861	4.4	22
549	Direct measurements of semi-volatile organic compound dynamics show near-unity mass accommodation coefficients for diverse aerosols. *Communications Chemistry*, **2019**, 2,	6.3	29
548	Autoxidation of Limonene Emitted in a University Art Museum. *Environmental Science and Technology Letters*, **2019**, 6, 520-524	11	11
547	An evaluation of global organic aerosol schemes using airborne observations **2019**,		4
546	Characterization of Organic Aerosol across the Global Remote Troposphere: A comparison of ATom measurements and global chemistry models **2019**,		1
545	Biogenic emissions and land□tmosphere interactions as drivers of the daytime evolution of secondary organic aerosol in the southeastern US. *Atmospheric Chemistry and Physics*, **2019**, 19, 701-729	6.8	6
544	Organic peroxy radical chemistry in oxidation flow reactors and environmental chambers and their atmospheric relevance. *Atmospheric Chemistry and Physics*, **2019**, 19, 813-834	6.8	19
543	Rates of Wintertime Atmospheric SO2 Oxidation based on Aircraft Observations during Clear-Sky Conditions over the Eastern United States. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 6630-6649	4.4	8
542	Towards a satellite formaldehyde □n situ hybrid estimate for organic aerosol abundance. *Atmospheric Chemistry and Physics*, **2019**, 19, 2765-2785	6.8	10
541	Increasing Isoprene Epoxydiol-to-Inorganic Sulfate Aerosol Ratio Results in Extensive Conversion of Inorganic Sulfate to Organosulfur Forms: Implications for Aerosol Physicochemical Properties. *Environmental Science & Technology*, **2019**, 53, 8682-8694	10.3	71
540	Simulating secondary organic aerosol in a regional air quality model using the statistical oxidation model □Part 3: Assessing the influence of semi-volatile and intermediate-volatility organic compounds and NO_{<i>x</i>}. *Atmospheric Chemistry and Physics*, **2019**, 19, 4561-4594	6.8	18
539	The potential role of methanesulfonic acid (MSA) in aerosol formation and growth and the associated radiative forcings. *Atmospheric Chemistry and Physics*, **2019**, 19, 3137-3160	6.8	51
538	Time-Resolved Measurements of Indoor Chemical Emissions, Deposition, and Reactions in a University Art Museum. *Environmental Science & Technology*, **2019**, 53, 4794-4802	10.3	47

537	Atmospheric Acetaldehyde: Importance of Air-Sea Exchange and a Missing Source in the Remote Troposphere. *Geophysical Research Letters*, **2019**, 46, 5601-5613	4.9	28
536	KinSim: A Research-Grade, User-Friendly, Visual Kinetics Simulator for Chemical-Kinetics and Environmental-Chemistry Teaching. *Journal of Chemical Education*, **2019**, 96, 806-811	2.4	22
535	Viscosities, diffusion coefficients, and mixing times of intrinsic fluorescent organic molecules in brown limonene secondary organic aerosol and tests of the Stokes–Einstein equation. *Atmospheric Chemistry and Physics*, **2019**, 19, 1491-1503	6.8	18
534	HO_{<i>x</i>} and NO_{<i>x</i>} production in oxidation flow reactors via photolysis of isopropyl nitrite, isopropyl nitrite-d₇, and 1,3-propyl dinitrite at <i></i> = 254, 350, and 369 nm. *Atmospheric Measurement Techniques*, **2019**, 12, 299-311	4	9
533	Importance of biogenic volatile organic compounds to acyl peroxy nitrates (APN) production in the southeastern US during SOAS 2013. *Atmospheric Chemistry and Physics*, **2019**, 19, 1867-1880	6.8	7
532	Response of the Aerodyne Aerosol Mass Spectrometer to Inorganic Sulfates and Organosulfur Compounds: Applications in Field and Laboratory Measurements. *Environmental Science & Technology*, **2019**, 53, 5176-5186	10.3	30
531	EURODELTA III exercise: An evaluation of air quality models' capacity to reproduce the carbonaceous aerosol. *Atmospheric Environment: X*, **2019**, 2, 100018	2.8	7
530	Aging Effects on Biomass Burning Aerosol Mass and Composition: A Critical Review of Field and Laboratory Studies. *Environmental Science & Technology*, **2019**, 53, 10007-10022	10.3	58
529	Aerosol size distributions during the Atmospheric Tomography Mission (ATom): methods, uncertainties, and data products. *Atmospheric Measurement Techniques*, **2019**, 12, 3081-3099	4	38
528	Effects of gas–wall interactions on measurements of semivolatile compounds and small polar molecules. *Atmospheric Measurement Techniques*, **2019**, 12, 3137-3149	4	26
527	OH-chemistry of non-methane organic gases (NMOG) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation **2019**,		3
526	Measurements of delays of gas-phase compounds in a wide variety of tubing materials due to gas–wall interactions. *Atmospheric Measurement Techniques*, **2019**, 12, 3453-3461	4	44
525	Overview of HOMEChem: House Observations of Microbial and Environmental Chemistry. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 1280-1300	4.3	92
524	Contributions of biomass-burning, urban, and biogenic emissions to the concentrations and light-absorbing properties of particulate matter in central Amazonia during the dry season. *Atmospheric Chemistry and Physics*, **2019**, 19, 7973-8001	6.8	19
523	A simplified parameterization of isoprene-epoxydiol-derived secondary organic aerosol (IEPOX-SOA) for global chemistry and climate models: a case study with GEOS-Chem v11-02-rc. *Geoscientific Model Development*, **2019**, 12, 2983-3000	6.3	13
522	Observational Constraints on the Formation of Cl2 From the Reactive Uptake of ClNO2 on Aerosols in the Polluted Marine Boundary Layer. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 8851-8869	4.4	10
521	Comparison of Airborne Reactive Nitrogen Measurements During WINTER. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 10483-10502	4.4	4
520	A large source of cloud condensation nuclei from new particle formation in the tropics. *Nature*, **2019**, 574, 399-403	50.4	75

519	Budgets of Organic Carbon Composition and Oxidation in Indoor Air. *Environmental Science & Technology*, **2019**, 53, 13053-13063	10.3	20
518	Widespread Pollution From Secondary Sources of Organic Aerosols During Winter in the Northeastern United States. *Geophysical Research Letters*, **2019**, 46, 2974-2983	4.9	17
517	OH chemistry of non-methane organic gases (NMOGs) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation. *Atmospheric Chemistry and Physics*, **2019**, 19, 14875-14899	6.8	45
516	Climate Forcing and Trends of Organic Aerosols in the Community Earth System Model (CESM2). *Journal of Advances in Modeling Earth Systems*, **2019**, 11, 4323-4351	7.1	50
515	Integration of airborne and ground observations of nitryl chloride in the Seoul metropolitan area and the implications on regional oxidation capacity during KORUS-AQ 2016. *Atmospheric Chemistry and Physics*, **2019**, 19, 12779-12795	6.8	11
514	Performance of a new coaxial ion–molecule reaction region for low-pressure chemical ionization mass spectrometry with reduced instrument wall interactions. *Atmospheric Measurement Techniques*, **2019**, 12, 5829-5844	4	12
513	Understanding and improving model representation of aerosol optical properties for a Chinese haze event measured during KORUS-AQ **2019**,		1
512	A new method to quantify mineral dust and other aerosol species from aircraft platforms using single-particle mass spectrometry. *Atmospheric Measurement Techniques*, **2019**, 12, 6209-6239	4	30
511	Anthropogenic control over wintertime oxidation of atmospheric pollutants. *Geophysical Research Letters*, **2019**, 46, 14826-14835	4.9	20
510	Laser Ablation-Aerosol Mass Spectrometry-Chemical Ionization Mass Spectrometry for Ambient Surface Imaging. *Analytical Chemistry*, **2018**, 90, 4046-4053	7.8	4
509	Evaluation of the New Capture Vaporizer for Aerosol Mass Spectrometers (AMS): Elemental Composition and Source Apportionment of Organic Aerosols (OA). *ACS Earth and Space Chemistry*, **2018**, 2, 410-421	3.2	14
508	Secondary organic aerosol formation from ambient air in an oxidation flow reactor in central Amazonia. *Atmospheric Chemistry and Physics*, **2018**, 18, 467-493	6.8	49
507	Heterogeneous N2O5 Uptake During Winter: Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of Current Parameterizations. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 4345-4372	4.4	69
506	Monoterpenes are the largest source of summertime organic aerosol in the southeastern United States. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2038-2043	11.5	117
505	Volatile chemical products emerging as largest petrochemical source of urban organic emissions. *Science*, **2018**, 359, 760-764	33.3	421
504	Laboratory evaluation of species-dependent relative ionization efficiencies in the Aerodyne Aerosol Mass Spectrometer. *Aerosol Science and Technology*, **2018**, 52, 626-641	3.4	36
503	Model Evaluation of New Techniques for Maintaining High-NO Conditions in Oxidation Flow Reactors for the Study of OH-Initiated Atmospheric Chemistry. *ACS Earth and Space Chemistry*, **2018** , 2, 72-86	3.2	23
502	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. *Bulletin of the American Meteorological Society*, **2018**, 99, 547-567	6.1	50

501	Southeast Atmosphere Studies: learning from model-observation syntheses. *Atmospheric Chemistry and Physics*, **2018**, 18, 2615-2651	6.8	31
500	Exploring the observational constraints on the simulation of brown carbon. *Atmospheric Chemistry and Physics*, **2018**, 18, 635-653	6.8	80
499	Non-methane organic gas emissions from biomass burning: identification, quantification, and emission factors from PTR-ToF during the FIREX 2016 laboratory experiment. *Atmospheric Chemistry and Physics*, **2018**, 18, 3299-3319	6.8	141
498	Evaluation of the new capture vaporizer for aerosol mass spectrometers: Characterization of organic aerosol mass spectra. *Aerosol Science and Technology*, **2018**, 52, 725-739	3.4	17
497	Chemical feedbacks weaken the wintertime response of particulate sulfate and nitrate to emissions reductions over the eastern United States. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8110-8115	11.5	86
496	Characterization of the Real Part of Dry Aerosol Refractive Index Over North America From the Surface to 12 km. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 8283	4.4	18
495	Flight Deployment of a High-Resolution Time-of-Flight Chemical Ionization Mass Spectrometer: Observations of Reactive Halogen and Nitrogen Oxide Species. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 7670	4.4	25
494	Ambient Measurements of Highly Oxidized Gas-Phase Molecules during the Southern Oxidant and Aerosol Study (SOAS) 2013. *ACS Earth and Space Chemistry*, **2018**, 2, 653-672	3.2	37
493	Secondary organic aerosol (SOA) yields from NO₃ radical + isoprene based on nighttime aircraft power plant plume transects. *Atmospheric Chemistry and Physics*, **2018**, 18, 11663-11682	6.8	30
492	Sources and Secondary Production of Organic Aerosols in the Northeastern United States during WINTER. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 7771-7796	4.4	57
491	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia. *Atmospheric Chemistry and Physics*, **2018**, 18, 12185-12206	6.8	22
490	Observations of Manaus urban plume evolution and interaction with biogenic emissions in GoAmazon 2014/5. *Atmospheric Environment*, **2018**, 191, 513-524	5.3	11
489	NOx Lifetime and NOy Partitioning During WINTER. *Journal of Geophysical Research D: Atmospheres* , **2018**, 123, 9813-9827	4.4	32
488	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2018**, 18, 10433-10457	6.8	2
487	Organosulfates in aerosols downwind of an urban region in central Amazon. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 1546-1558	4.3	32
486	Integration of Airborne and Ground Observations of Nitryl Chloride in the Seoul Metropolitan Area and the Implications on Regional Oxidation Capacity During KORUS-AQ 2016 **2018**,		2
485	The potential role of methanesulfonic acid (MSA) in aerosol formation and growth and the associated radiative forcings **2018**,		1
484	Secondary organic aerosol production from local emissions dominates the organic aerosol budget over Seoul, South Korea, during KORUS-AQ. *Atmospheric Chemistry and Physics*, **2018**, 18, 17769-17800	6.8	71

483	Is there an aerosol signature of chemical cloud processing?. *Atmospheric Chemistry and Physics*, **2018**, 18, 16099-16119	6.8	18
482	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia **2018**,		1
481	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons **2018**,		1
480	ClNO2 Yields From Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of the Current Parameterization. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 12,994	4.4	24
479	Constraining nucleation, condensation, and chemistry in oxidation flow reactors using size-distribution measurements and aerosol microphysical modeling. *Atmospheric Chemistry and Physics*, **2018**, 18, 12433-12460	6.8	10
478	An omnipresent diversity and variability in the chemical composition of atmospheric functionalized organic aerosol. *Communications Chemistry*, **2018**, 1,	6.3	15
477	Nitrogen Oxides Emissions, Chemistry, Deposition, and Export Over the Northeast United States During the WINTER Aircraft Campaign. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 12,368	4.4	32
476	Functional Group Composition of Secondary Organic Aerosol Formed from Ozonolysis of □Pinene Under High VOC and Autoxidation Conditions. *ACS Earth and Space Chemistry*, **2018**, 2, 1196-1210	3.2	34
475	Wintertime Gas-Particle Partitioning and Speciation of Inorganic Chlorine in the Lower Troposphere Over the Northeast United States and Coastal Ocean. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 12,897	4.4	16
474	Airborne Observations of Reactive Inorganic Chlorine and Bromine Species in the Exhaust of Coal-Fired Power Plants. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 11225-11237	4.4	21
473	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2018**, 18, 10433-10457	6.8	29
472	Viscosities, diffusion coefficients, and mixing times of intrinsic fluorescent organic molecules in brown limonene secondary organic aerosol and tests of the Stokes-Einstein equation **2018**,		1
471	Photochemical model evaluation of 2013 California wild fire air quality impacts using surface, aircraft, and satellite data. *Science of the Total Environment*, **2018**, 637-638, 1137-1149	10.2	30
470	Evaluation of the new capture vaporizer for aerosol mass spectrometers (AMS) through field studies of inorganic species. *Aerosol Science and Technology*, **2017**, 51, 735-754	3.4	49
469	Gas-Phase Carboxylic Acids in a University Classroom: Abundance, Variability, and Sources. *Environmental Science & Technology*, **2017**, 51, 5454-5463	10.3	51
468	Contrasting aerosol refractive index and hygroscopicity in the inflow and outflow of deep convective storms: Analysis of airborne data from DC3. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 4565-4577	4.4	9
467	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. *Bulletin of the American Meteorological Society*, **2017**, 98, 1857-1877	6.1	43
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