John H Seinfeld

List of Publications by Year in Descending Order

449 papers	52,803 citations	123 h-index	219 g-index
511 ext. papers	58,964 ext. citations	7.5 avg, IF	7.46 L-index

#	Paper	IF	Citations
449	Secondary organic aerosol formation from the oxidation of decamethylcyclopentasiloxane at atmospherically relevant OH concentrations. *Atmospheric Chemistry and Physics*, **2022**, 22, 917-928	6.8	2
448	Rapid assessments of light-duty gasoline vehicle emissions using on-road remote sensing and machine learning.. *Science of the Total Environment*, **2022**, 815, 152771	10.2	0
447	Direct measurements of ozone response to emissions perturbations in California. *Atmospheric Chemistry and Physics*, **2022**, 22, 4929-4949	6.8	0
446	Hyperfine-resolution mapping of on-road vehicle emissions with comprehensive traffic monitoring and an intelligent transportation system. *Atmospheric Chemistry and Physics*, **2021**, 21, 16985-17002	6.8	1
445	Unexpected Oligomerization of Small □Dicarbonyls for Secondary Organic Aerosol and Brown Carbon Formation. *Environmental Science & Technology*, **2021**, 55, 4430-4439	10.3	11
444	City-level air quality improvement in the Beijing-Tianjin-Hebei region from 2016/17 to 2017/18 heating seasons: Attributions and process analysis. *Environmental Pollution*, **2021**, 274, 116523	9.3	8
443	Efficacy of a portable, moderate-resolution, fast-scanning differential mobility analyzer for ambient aerosol size distribution measurements. *Atmospheric Measurement Techniques*, **2021**, 14, 4507-4516	4	1
442	Multigeneration Production of Secondary Organic Aerosol from Toluene Photooxidation. *Environmental Science & Technology*, **2021**, 55, 8592-8603	10.3	5
441	From COVID-19 to future electrification: Assessing traffic impacts on air quality by a machine-learning model. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	13
440	Large scale control of surface ozone by relative humidity observed during warm seasons in China. *Environmental Chemistry Letters*, **2021**, 19, 3981	13.3	7
439	Emissions Measurements from Household Solid Fuel Use in Haryana, India: Implications for Climate and Health Co-benefits. *Environmental Science & Technology*, **2021**, 55, 3201-3209	10.3	2
438	The nano-scanning electrical mobility spectrometer (nSEMS) and its application to size distribution measurements of 1.5□5 nm particles. *Atmospheric Measurement Techniques*, **2021**, 14, 5429-5445	4	1
437	A computationally efficient model to represent the chemistry, thermodynamics, and microphysics of secondary organic aerosols (simpleSOM): model development and application to □pinene SOA. *Environmental Science Atmospheres*, **2021**, 1, 372-394		0
436	Modeling secondary organic aerosol formation from volatile chemical products.. *Atmospheric Chemistry and Physics*, **2021**, 21, 18247-18261	6.8	3
435	Rapid growth of new atmospheric particles by nitric acid and ammonia condensation. *Nature*, **2020**, 581, 184-189	50.4	72
434	Unexpected rise of ozone in urban and rural areas, and sulfur dioxide in rural areas during the coronavirus city lockdown in Hangzhou, China: implications for air quality. *Environmental Chemistry Letters*, **2020**, 18, 1-11	13.3	40
433	Coupling Filter-Based Thermal Desorption Chemical Ionization Mass Spectrometry with Liquid Chromatography/Electrospray Ionization Mass Spectrometry for Molecular Analysis of Secondary Organic Aerosol. *Environmental Science & Technology*, **2020**, 54, 13238-13248	10.3	2

432	Oxygenated Aromatic Compounds are Important Precursors of Secondary Organic Aerosol in Biomass-Burning Emissions. *Environmental Science & Technology*, **2020**, 54, 8568-8579	10.3	29
431	Unexpected air pollution with marked emission reductions during the COVID-19 outbreak in China. *Science*, **2020**, 369, 702-706	33.3	344
430	Relative effects of open biomass burning and open crop straw burning on haze formation over central and eastern China: modeling study driven by constrained emissions. *Atmospheric Chemistry and Physics*, **2020**, 20, 2419-2443	6.8	7
429	Common source areas of air pollution vary with haze intensity in the Yangtze River Delta, China. *Environmental Chemistry Letters*, **2020**, 18, 957-965	13.3	12
428	Diffusional transfer function for the scanning electrical mobility spectrometer (SEMS). *Aerosol Science and Technology*, **2020**, 54, 1157-1168	3.4	2
427	Secondary organic aerosol yields from the oxidation of benzyl alcohol. *Atmospheric Chemistry and Physics*, **2020**, 20, 13167-13190	6.8	5
426	Air quality impact of the Northern California Camp Fire of November 2018. *Atmospheric Chemistry and Physics*, **2020**, 20, 14597-14616	6.8	10
425	On the relationship between cloud water composition and cloud droplet number concentration. *Atmospheric Chemistry and Physics*, **2020**, 20, 7645-7665	6.8	3
424	Significant wintertime PM_{2.5} mitigation in the Yangtze River Delta, China, from 2016 to 2019: observational constraints on anthropogenic emission controls. *Atmospheric Chemistry and Physics*, **2020**, 20, 14787-14800	6.8	6
423	Reduced European aerosol emissions suppress winter extremes over northern Eurasia. *Nature Climate Change*, **2020**, 10, 225-230	21.4	11
422	Characterization of Aerosol Hygroscopicity Over the Northeast Pacific Ocean: Impacts on Prediction of CCN and Stratocumulus Cloud Droplet Number Concentrations. *Earth and Space Science*, **2020**, 7, e2020EA001098	3.1	5
421	Synthesis of Carboxylic Acid and Dimer Ester Surrogates to Constrain the Abundance and Distribution of Molecular Products in □Pinene and □Pinene Secondary Organic Aerosol. *Environmental Science & Technology*, **2020**, 54, 12829-12839	10.3	12
420	Ammonia emission abatement does not fully control reduced forms of nitrogen deposition. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 9771-9775	11.5	12
419	Impacts of household sources on air pollution at village and regional scales in India. *Atmospheric Chemistry and Physics*, **2019**, 19, 7719-7742	6.8	18
418	100 Years of Progress in Gas-Phase Atmospheric Chemistry Research. *Meteorological Monographs*, **2019**, 59, 10.1-10.52	5.7	8
417	High-altitude and long-range transport of aerosols causing regional severe haze during extreme dust storms explains why afforestation does not prevent storms. *Environmental Chemistry Letters*, **2019**, 17, 1333-1340	13.3	13
416	AEROSOL-CLOUD-METEOROLOGY INTERACTION AIRBORNE FIELD INVESTIGATIONS: Using Lessons Learned from the U.S. West Coast in the Design of ACTIVATE off the U.S. East Coast. *Bulletin of the American Meteorological Society*, **2019**, 100, 1511-1528	6.1	26
415	A note on flow behavior in axially-dispersed plug flow reactors with step input of tracer. *Atmospheric Environment: X*, **2019**, 1, 100006	2.8	4

414	Low-volatility compounds contribute significantly to isoprene secondary organic aerosol (SOA) under high-NO_{<i>x</i>} conditions. *Atmospheric Chemistry and Physics*, **2019**, 19, 7255-7278	6.8	28
413	Marine Boundary Layer Clouds Associated with Coastally Trapped Disturbances: Observations and Model Simulations. *Journals of the Atmospheric Sciences*, **2019**, 76, 2963-2993	2.1	2
412	Satellite-Derived Correlation of SO2, NO2, and Aerosol Optical Depth with Meteorological Conditions over East Asia from 2005 to 2015. *Remote Sensing*, **2019**, 11, 1738	5	17
411	Computational Simulation of Secondary Organic Aerosol Formation in Laboratory Chambers. *Chemical Reviews*, **2019**, 119, 11912-11944	68.1	13
410	Efficient control of atmospheric sulfate production based on three formation regimes. *Nature Geoscience*, **2019**, 12, 977-982	18.3	30
409	Effects of Biomass Burning on Stratocumulus Droplet Characteristics, Drizzle Rate, and Composition. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 12301-12318	4.4	12
408	Characteristic Vertical Profiles of Cloud Water Composition in Marine Stratocumulus Clouds and Relationships With Precipitation. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 3704-3723	4.4	20
407	Gas-Phase Reactions of Isoprene and Its Major Oxidation Products. *Chemical Reviews*, **2018**, 118, 3337-3390	68.1	211
406	Spatial and temporal distributions of air pollutant emissions from open crop straw and biomass burnings in China from 2002 to 2016. *Environmental Chemistry Letters*, **2018**, 16, 301-309	13.3	55
405	Photopolarimetric Sensitivity to Black Carbon Content of Wildfire Smoke: Results From the 2016 ImPACT-PM Field Campaign. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 5376-5396	4.4	12
404	Residential emissions predicted as a major source of fine particulate matter in winter over the Yangtze River Delta, China. *Environmental Chemistry Letters*, **2018**, 16, 1117-1127	13.3	17
403	Predicted impact of thermal power generation emission control measures in the Beijing-Tianjin-Hebei region on air pollution over Beijing, China. *Scientific Reports*, **2018**, 8, 934	4.9	22
402	Computational simulation of the dynamics of secondary organic aerosol formation in an environmental chamber. *Aerosol Science and Technology*, **2018**, 52, 470-482	3.4	11
401	Unified Theory of Vapor-Wall Mass Transport in Teflon-Walled Environmental Chambers. *Environmental Science & Technology*, **2018**, 52, 2134-2142	10.3	38
400	Iodometry-Assisted Liquid Chromatography Electrospray Ionization Mass Spectrometry for Analysis of Organic Peroxides: An Application to Atmospheric Secondary Organic Aerosol. *Environmental Science & Technology*, **2018**, 52, 2108-2117	10.3	28
399	A multi-year data set on aerosol-cloud-precipitation-meteorology interactions for marine stratocumulus clouds. *Scientific Data*, **2018**, 5, 180026	8.2	18
398	Synergistic O + OH oxidation pathway to extremely low-volatility dimers revealed in ╫pinene secondary organic aerosol. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8301-8306	11.5	22
397	Probing the OH Oxidation of Pinonic Acid at the Air-Water Interface Using Field-Induced Droplet Ionization Mass Spectrometry (FIDI-MS). *Journal of Physical Chemistry A*, **2018**, 122, 6445-6456	2.8	13

396	Effect of particle charge on aerosol dynamics in Teflon environmental chambers. *Aerosol Science and Technology*, **2018**, 52, 854-871	3.4	14
395	Growth Kinetics and Size Distribution Dynamics of Viscous Secondary Organic Aerosol. *Environmental Science & Technology*, **2018**, 52, 1191-1199	10.3	63
394	Impacts of Household Sources on Air Pollution at Village and Regional Scales in India **2018**,		2
393	Biomass Burning Plumes in the Vicinity of the California Coast: Airborne Characterization of Physicochemical Properties, Heating Rates, and Spatiotemporal Features. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 13,560	4.4	22
392	Cloud Adiabaticity and Its Relationship to Marine Stratocumulus Characteristics Over the Northeast Pacific Ocean. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 13,790	4.4	11
391	Scanning DMA data analysis II. Integrated DMA-CPC instrument response and data inversion. *Aerosol Science and Technology*, **2018**, 52, 1400-1414	3.4	14
390	Rapid Aqueous-Phase Hydrolysis of Ester Hydroperoxides Arising from Criegee Intermediates and Organic Acids. *Journal of Physical Chemistry A*, **2018**, 122, 5190-5201	2.8	42
389	Mitigation of severe urban haze pollution by a precision air pollution control approach. *Scientific Reports*, **2018**, 8, 8151	4.9	13
388	Design, simulation, and characterization of a radial opposed migration ion and aerosol classifier (ROMIAC). *Aerosol Science and Technology*, **2017**, 51, 801-823	3.4	9
387	Surface tension prevails over solute effect in organic-influenced cloud droplet activation. *Nature*, **2017**, 546, 637-641	50.4	162
386	Science of the Environmental Chamber **2017**, 1-93		10
385	The Caltech Photooxidation Flow Tube reactor: design, fluid dynamics and characterization. *Atmospheric Measurement Techniques*, **2017**, 10, 839-867	4	33
384	High reduction of ozone and particulate matter during the 2016 G-20 summit in Hangzhou by forced emission controls of industry and traffic. *Environmental Chemistry Letters*, **2017**, 15, 709-715	13.3	19
383	Relationships between giant sea salt particles and clouds inferred from aircraft physicochemical data. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 3421-3434	4.4	21
382	Constraining uncertainties in particle-wall deposition correction during SOA formation in chamber experiments. *Atmospheric Chemistry and Physics*, **2017**, 17, 2297-2310	6.8	41
381	Formation of highly oxygenated low-volatility products from cresol oxidation. *Atmospheric Chemistry and Physics*, **2017**, 17, 3453-3474	6.8	59
380	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. *Reviews of Geophysics*, **2017**, 55, 509-559	23.1	359
379	Constraining uncertainties in particle wall-deposition correction during SOA formation in chamber experiments **2016**,		1

378	Real-Time Studies of Iron Oxalate-Mediated Oxidation of Glycolaldehyde as a Model for Photochemical Aging of Aqueous Tropospheric Aerosols. *Environmental Science & Technology*, **2016**, 50, 12241-12249	10.3	29
377	Simulating secondary organic aerosol in a regional air quality model using the statistical oxidation model Part 2: Assessing the influence of vapor wall losses. *Atmospheric Chemistry and Physics*, **2016**, 16, 3041-3059	6.8	46
376	Influence of seed aerosol surface area and oxidation rate on vapor wall deposition and SOA mass yields: a case study with <i></i>-pinene ozonolysis. *Atmospheric Chemistry and Physics*, **2016**, 16, 9361-9379	6.8	62
375	SOA formation from the photooxidation of <i></i>-pinene: systematic exploration of the simulation of chamber data. *Atmospheric Chemistry and Physics*, **2016**, 16, 2785-2802	6.8	47
374	Discontinuities in hygroscopic growth below and above water saturation for laboratory surrogates of oligomers in organic atmospheric aerosols. *Atmospheric Chemistry and Physics*, **2016**, 16, 12767-12792	6.8	25
373	Simulating secondary organic aerosol in a regional air quality model using the statistical oxidation model Part 1: Assessing the influence of constrained multi-generational ageing. *Atmospheric Chemistry and Physics*, **2016**, 16, 2309-2322	6.8	26
372	Stratocumulus Cloud Clearings and Notable Thermodynamic and Aerosol Contrasts across the Clear Cloudy Interface. *Journals of the Atmospheric Sciences*, **2016**, 73, 1083-1099	2.1	20
371	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. *Physical Chemistry Chemical Physics*, **2016**, 18, 10241-54	3.6	130
370	Production and Fate of C4 Dihydroxycarbonyl Compounds from Isoprene Oxidation. *Journal of Physical Chemistry A*, **2016**, 120, 106-17	2.8	30
369	Meteorological and aerosol effects on marine cloud microphysical properties. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 4142-4161	4.4	16
368	Contrasting cloud composition between coupled and decoupled marine boundary layer clouds. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 11,679	4.4	17
367	Ion-induced nucleation of pure biogenic particles. *Nature*, **2016**, 533, 521-6	50.4	377
366	Improving our fundamental understanding of the role of aerosol-cloud interactions in the climate system. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 5781-90	11.5	314
365	Reduced anthropogenic aerosol radiative forcing caused by biogenic new particle formation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 12053-12058	11.5	79
364	A note on the effects of inorganic seed aerosol on the oxidation state of secondary organic aerosol Pinene ozonolysis. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 12,476-12,483	4.4	11
363	Formation of Low Volatility Organic Compounds and Secondary Organic Aerosol from Isoprene Hydroxyhydroperoxide Low-NO Oxidation. *Environmental Science & Technology*, **2015**, 49, 10330-9	10.3	139
362	Mechanism of the hydroxyl radical oxidation of methacryloyl peroxynitrate (MPAN) and its pathway toward secondary organic aerosol formation in the atmosphere. *Physical Chemistry Chemical Physics* , **2015**, 17, 17914-26	3.6	88
361	Isoprene NO3 Oxidation Products from the RO2 + HO2 Pathway. *Journal of Physical Chemistry A*, **2015**, 119, 10158-71	2.8	72

360	Under What Conditions Can Equilibrium Gas-Particle Partitioning Be Expected to Hold in the Atmosphere?. *Environmental Science & Technology*, **2015**, 49, 11485-91	10.3	32
359	On the presence of giant particles downwind of ships in the marine boundary layer. *Geophysical Research Letters*, **2015**, 42, 2024-2030	4.9	10
358	Primary marine aerosol-cloud interactions off the coast of California. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 4282-4303	4.4	66
357	Vapor wall deposition in Teflon chambers. *Atmospheric Chemistry and Physics*, **2015**, 15, 4197-4214	6.8	94
356	Influence of particle-phase state on the hygroscopic behavior of mixed organic□inorganic aerosols. *Atmospheric Chemistry and Physics*, **2015**, 15, 5027-5045	6.8	70
355	Precipitation effects of giant cloud condensation nuclei artificially introduced into stratocumulus clouds. *Atmospheric Chemistry and Physics*, **2015**, 15, 5645-5658	6.8	22
354	Investigating the links between ozone and organic aerosol chemistry in a biomass burning plume from a prescribed fire in California chaparral. *Atmospheric Chemistry and Physics*, **2015**, 15, 6667-6688	6.8	76
353	Multi-generational oxidation model to simulate secondary organic aerosol in a 3-D air quality model. *Geoscientific Model Development*, **2015**, 8, 2553-2567	6.3	30
352	CCN Properties of Organic Aerosol Collected Below and within Marine Stratocumulus Clouds near Monterey, California. *Atmosphere*, **2015**, 6, 1590-1607	2.7	5
351	Multi-generational oxidation model to simulate secondary organic aerosol in a 3-D air quality model **2015**,		1
350	Formation and evolution of molecular products in □pinene secondary organic aerosol. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14168-73	11.5	183
349	Secondary organic aerosol composition from C12 alkanes. *Journal of Physical Chemistry A*, **2015**, 119, 4281-97	2.8	42
348	Influence of vapor wall loss in laboratory chambers on yields of secondary organic aerosol. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 5802-7	11.5	319
347	Oxidation products of biogenic emissions contribute to nucleation of atmospheric particles. *Science* , **2014**, 344, 717-21	33.3	375
346	Gas phase production and loss of isoprene epoxydiols. *Journal of Physical Chemistry A*, **2014**, 118, 1237-46	2.8	125
345	Neutral molecular cluster formation of sulfuric acid-dimethylamine observed in real time under atmospheric conditions. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 15019-24	11.5	155
344	Vapor-wall deposition in chambers: theoretical considerations. *Environmental Science & Technology*, **2014**, 48, 10251-8	10.3	47
343	Analytical solution for transient partitioning and reaction of a condensing vapor species in a droplet. *Atmospheric Environment*, **2014**, 89, 651-654	5.3	7

342	Conversion of hydroperoxides to carbonyls in field and laboratory instrumentation: Observational bias in diagnosing pristine versus anthropogenically controlled atmospheric chemistry. *Geophysical Research Letters*, **2014**, 41, 8645-8651	4.9	83
341	Observations of continental biogenic impacts on marine aerosol and clouds off the coast of California. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 6724-6748	4.4	32
340	Aerosol emissions from prescribed fires in the United States: A synthesis of laboratory and aircraft measurements. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 11,826-11,849	4.4	81
339	Overview of the Focused Isoprene eXperiment at the California Institute of Technology (FIXCIT): mechanistic chamber studies on the oxidation of biogenic compounds. *Atmospheric Chemistry and Physics*, **2014**, 14, 13531-13549	6.8	50
338	Secondary organic aerosol yields of 12-carbon alkanes. *Atmospheric Chemistry and Physics*, **2014**, 14, 1423-1439	6.8	78
337	Role of ozone in SOA formation from alkane photooxidation. *Atmospheric Chemistry and Physics*, **2014**, 14, 1733-1753	6.8	36
336	Emission factor ratios, SOA mass yields, and the impact of vehicular emissions on SOA formation. *Atmospheric Chemistry and Physics*, **2014**, 14, 2383-2397	6.8	67
335	Organic aerosol formation from the reactive uptake of isoprene epoxydiols (IEPOX) onto non-acidified inorganic seeds. *Atmospheric Chemistry and Physics*, **2014**, 14, 3497-3510	6.8	172
334	Modeling kinetic partitioning of secondary organic aerosol and size distribution dynamics: representing effects of volatility, phase state, and particle-phase reaction. *Atmospheric Chemistry and Physics*, **2014**, 14, 5153-5181	6.8	97
333	Molecular corridors and kinetic regimes in the multiphase chemical evolution of secondary organic aerosol. *Atmospheric Chemistry and Physics*, **2014**, 14, 8323-8341	6.8	69
332	Oligomeric products and formation mechanisms from acid-catalyzed reactions of methyl vinyl ketone on acidic sulfate particles. *Journal of Atmospheric Chemistry*, **2013**, 70, 1-18	3.2	17
331	Observational insights into aerosol formation from isoprene. *Environmental Science & Technology*, **2013**, 47, 11403-13	10.3	95
330	The 2010 California Research at the Nexus of Air Quality and Climate Change (CalNex) field study. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 5830-5866	4.4	178
329	Gas-particle partitioning of atmospheric aerosols: interplay of physical state, non-ideal mixing and morphology. *Physical Chemistry Chemical Physics*, **2013**, 15, 11441-53	3.6	173
328	A practical method for the calculation of liquid–liquid equilibria in multicomponent organic–water–electrolyte systems using physicochemical constraints. *Fluid Phase Equilibria*, **2013**, 337, 201-213	2.5	42
327	On the mixing and evaporation of secondary organic aerosol components. *Environmental Science & Technology*, **2013**, 47, 6173-80	10.3	41
326	Ion mobility-mass spectrometry with a radial opposed migration ion and aerosol classifier (ROMIAC). *Analytical Chemistry*, **2013**, 85, 6319-26	7.8	13
325	Los Angeles Basin airborne organic aerosol characterization during CalNex. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 11,453-11,467	4.4	7

324	Size distribution dynamics reveal particle-phase chemistry in organic aerosol formation. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11746-50	11.5	126
323	Secondary Organic Aerosol Coating Formation and Evaporation: Chamber Studies Using Black Carbon Seed Aerosol and the Single-Particle Soot Photometer. *Aerosol Science and Technology*, **2013**, 47, 326-347	3.4	35
322	Eastern Pacific Emitted Aerosol Cloud Experiment. *Bulletin of the American Meteorological Society*, **2013**, 94, 709-729	6.1	71
321	Projected effect of 2000–2050 changes in climate and emissions on aerosol levels in China and associated transboundary transport. *Atmospheric Chemistry and Physics*, **2013**, 13, 7937-7960	6.8	41
320	Effect of chemical structure on secondary organic aerosol formation from C₁₂ alkanes. *Atmospheric Chemistry and Physics*, **2013**, 13, 11121-11140	6.8	37
319	Secondary organic aerosol formation from biomass burning intermediates: phenol and methoxyphenols. *Atmospheric Chemistry and Physics*, **2013**, 13, 8019-8043	6.8	134
318	Biogenic and biomass burning organic aerosol in a boreal forest at Hyytiälä, Finland, during HUMPPA-COPEC 2010. *Atmospheric Chemistry and Physics*, **2013**, 13, 12233-12256	6.8	46
317	Application of the Statistical Oxidation Model (SOM) to Secondary Organic Aerosol formation from photooxidation of C₁₂ alkanes. *Atmospheric Chemistry and Physics*, **2013**, 13, 1591-1606	6.8	38
316	A functional group oxidation model (FGOM) for SOA formation and aging. *Atmospheric Chemistry and Physics*, **2013**, 13, 5907-5926	6.8	32
315	Hygroscopic properties of smoke-generated organic aerosol particles emitted in the marine atmosphere. *Atmospheric Chemistry and Physics*, **2013**, 13, 9819-9835	6.8	27
314	Composition and hygroscopicity of the Los Angeles Aerosol: CalNex. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 3016-3036	4.4	78
313	Inorganic and black carbon aerosols in the Los Angeles Basin during CalNex. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 1777-1803	4.4	13
312	Equilibration timescale of atmospheric secondary organic aerosol partitioning. *Geophysical Research Letters*, **2012**, 39,	4.9	167
311	Secondary organic aerosol formation from low-NO(x) photooxidation of dodecane: evolution of multigeneration gas-phase chemistry and aerosol composition. *Journal of Physical Chemistry A*, **2012**, 116, 6211-30	2.8	65
310	Black carbon aerosol over the Los Angeles Basin during CalNex. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		70
309	Importance of composition and hygroscopicity of BC particles to the effect of BC mitigation on cloud properties: Application to California conditions. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		7
308	Diffusion-Limited Versus Quasi-Equilibrium Aerosol Growth. *Aerosol Science and Technology*, **2012**, 46, 874-885	3.4	43
307	Peroxy radical chemistry and OH radical production during the NO₃-initiated oxidation of isoprene. *Atmospheric Chemistry and Physics*, **2012**, 12, 7499-7515	6.8	57

306	Characterisation and airborne deployment of a new counterflow virtual impactor inlet. *Atmospheric Measurement Techniques*, **2012**, 5, 1259-1269	4	42
305	Characterization and airborne deployment of a new counterflow virtual impactor inlet **2012**,		6
304	Occurrence of lower cloud albedo in ship tracks. *Atmospheric Chemistry and Physics*, **2012**, 12, 8223-8235	6.8	75
303	Analysis of secondary organic aerosol formation and aging using positive matrix factorization of high-resolution aerosol mass spectra: application to the dodecane low-NO_x system. *Atmospheric Chemistry and Physics*, **2012**, 12, 11795-11817	6.8	35
302	Evolution of trace gases and particles emitted by a chaparral fire in California. *Atmospheric Chemistry and Physics*, **2012**, 12, 1397-1421	6.8	247
301	Modeling the gas-particle partitioning of secondary organic aerosol: the importance of liquid-liquid phase separation. *Atmospheric Chemistry and Physics*, **2012**, 12, 3857-3882	6.8	179
300	-pinene photooxidation under controlled chemical conditions -Part 1: Gas-phase composition in low- and high-NO_x environments. *Atmospheric Chemistry and Physics*, **2012**, 12, 6489-6504	6.8	66
299	-pinene photooxidation under controlled chemical conditions -Part 2: SOA yield and composition in low- and high-NO_x environments. *Atmospheric Chemistry and Physics*, **2012**, 12, 7413-7427	6.8	98
298	Ship impacts on the marine atmosphere: insights into the contribution of shipping emissions to the properties of marine aerosol and clouds. *Atmospheric Chemistry and Physics*, **2012**, 12, 8439-8458	6.8	62
297	Chemical aging of <i>m</i>-xylene secondary organic aerosol: laboratory chamber study. *Atmospheric Chemistry and Physics*, **2012**, 12, 151-167	6.8	71
296	Evaluation of an entraining droplet activation parameterization using in situ cloud data. *Journal of Geophysical Research*, **2011**, 116,		15
295	Analysis of photochemical and dark glyoxal uptake: Implications for SOA formation. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	50
294	Water-soluble organic aerosol in the Los Angeles Basin and outflow regions: Airborne and ground measurements during the 2010 CalNex field campaign. *Journal of Geophysical Research*, **2011**, 116,		45
293	Role of sulphuric acid, ammonia and galactic cosmic rays in atmospheric aerosol nucleation. *Nature*, **2011**, 476, 429-33	50.4	863
292	Yields of oxidized volatile organic compounds during the OH radical initiated oxidation of isoprene, methyl vinyl ketone, and methacrolein under high-NO_x conditions. *Atmospheric Chemistry and Physics*, **2011**, 11, 10779-10790	6.8	90
291	Influence of aerosol acidity on the chemical composition of secondary organic aerosol from -caryophyllene. *Atmospheric Chemistry and Physics*, **2011**, 11, 1735-1751	6.8	116
290	Changes in organic aerosol composition with aging inferred from aerosol mass spectra. *Atmospheric Chemistry and Physics*, **2011**, 11, 6465-6474	6.8	377
289	Explicit modelling of SOA formation from -pinene photooxidation: sensitivity to vapour pressure estimation. *Atmospheric Chemistry and Physics*, **2011**, 11, 6895-6910	6.8	91

288	The Pasadena Aerosol Characterization Observatory (PACO): chemical and physical analysis of the Western Los Angeles basin aerosol. *Atmospheric Chemistry and Physics*, **2011**, 11, 7417-7443	6.8	87
287	Impact of a large wildfire on water-soluble organic aerosol in a major urban area: the 2009 Station Fire in Los Angeles County. *Atmospheric Chemistry and Physics*, **2011**, 11, 8257-8270	6.8	51
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13	Biogenic and biomass burning organic aerosol in a boreal forest at Hyyti Finland, during HUMPPA-COPEC 2010		1
12	Secondary organic aerosol yields of 12-carbon alkanes		3
11	Organic aerosol formation from the reactive uptake of isoprene epoxydiols (IEPOX) onto non-acidified inorganic seeds		2
10	Emission factor ratios, SOA mass yields, and the impact of vehicular emissions on SOA formation		1
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