

# Athanasios Nenes

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

413  
papers

23,974  
citations

81  
h-index

143  
g-index

579  
ext. papers

27,684  
ext. citations

6.7  
avg, IF

7  
L-index

#	Paper	IF	Citations
413	Secondary ice production processes in wintertime alpine mixed-phase clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 1965-1988	6.8	0
412	Multiphase processes in the EC-Earth model and their relevance to the atmospheric oxalate, sulfate, and iron cycles. <i>Geoscientific Model Development</i> , <b>2022</b> , 15, 3079-3120	6.3	2
411	Water soluble reactive phosphate (SRP) in atmospheric particles over East Mediterranean: The importance of dust and biomass burning events.. <i>Science of the Total Environment</i> , <b>2022</b> , 154263	10.2	
410	ISORROPIA-Lite: A Comprehensive Atmospheric Aerosol Thermodynamics Module for Earth System Models. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2022</b> , 74, 1-23	3.3	1
409	Impact of COVID-19 Lockdown on Oxidative Potential of Particulate Matter: Case of Athens (Greece). <i>Toxics</i> , <b>2022</b> , 10, 280	4.7	1
408	Machine Learning Uncovers Aerosol Size Information From Chemistry and Meteorology to Quantify Potential Cloud-Forming Particles. <i>Geophysical Research Letters</i> , <b>2021</b> , 48,	4.9	1
407	Bioaerosols and dust are the dominant sources of organic P in atmospheric particles. <i>Npj Climate and Atmospheric Science</i> , <b>2021</b> , 4,	8	1
406	Molecular-scale description of interfacial mass transfer in phase-separated aqueous secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 17687-17714	6.8	
405	Nighttime chemistry of biomass burning emissions in urban areas: A dual mobile chamber study. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 15337-15349	6.8	1
404	Confronting Uncertainties of Simulated Air Pollution Concentrations during Persistent Cold Air Pool Events in the Salt Lake Valley, Utah. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15072-15081	10.3	1
403	Aerosol acidity and liquid water content regulate the dry deposition of inorganic reactive nitrogen. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 6023-6033	6.8	10
402	Challenging and Improving the Simulation of Mid-Level Mixed-Phase Clouds Over the High-Latitude Southern Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033490	4.4	5
401	Determining the Role of Acidity, Fate and Formation of IEPOX-Derived SOA in CMAQ. <i>Atmosphere</i> , <b>2021</b> , 12, 707	2.7	2
400	Historical Changes in Seasonal Aerosol Acidity in the Po Valley (Italy) as Inferred from Fog Water and Aerosol Measurements. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7307-7315	10.3	4
399	Ice multiplication from ice-ice collisions in the high Arctic: sensitivity to ice habit, rimed fraction, ice type and uncertainties in the numerical description of the process. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 9741-9760	6.8	1
398	Developing a UV climatology for public health purposes using satellite data. <i>Environment International</i> , <b>2021</b> , 146, 106177	12.9	3
397	Secondary ice production in summer clouds over the Antarctic coast: an underappreciated process in atmospheric models. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 755-771	6.8	12

396	Size-resolved aerosol pH over Europe during summer. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 799-818	6.8	12
395	High-resolution hybrid inversion of IASI ammonia columns to constrain US ammonia emissions using the CMAQ adjoint model. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 2067-2082	6.8	5
394	An overview of the ORACLES (ObseRvations of Aerosols above CLouds and their intEractionS) project: aerosol-cloud-radiation interactions in the southeast Atlantic basin. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 1507-1563	6.8	37
393	Satellite-Based Personal UV Dose Estimation. <i>Atmosphere</i> , <b>2021</b> , 12, 268	2.7	1
392	The influence of chemical composition, aerosol acidity, and metal dissolution on the oxidative potential of fine particulate matter and redox potential of the lung lining fluid. <i>Environment International</i> , <b>2021</b> , 148, 106343	12.9	15
391	On the drivers of droplet variability in alpine mixed-phase clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 10993-11012	6.8	3
390	Changing atmospheric acidity as a modulator of nutrient deposition and ocean biogeochemistry. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	11
389	Acidity and the multiphase chemistry of atmospheric aqueous particles and clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21,	6.8	14
388	Annual exposure to polycyclic aromatic hydrocarbons in urban environments linked to wintertime wood-burning episodes. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 17865-17883	6.8	8
387	Fine Particle Iron in Soils and Road Dust Is Modulated by Coal-Fired Power Plant Sulfur. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 7088-7096	10.3	6
386	Biomass burning aerosol as a modulator of the droplet number in the southeast Atlantic region. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3029-3040	6.8	21
385	Constraining the Twomey effect from satellite observations: Issues and perspectives <b>2020</b> ,		1
384	The Acidity of Atmospheric Particles and Clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 4809-4888	6.8	165
383	The impact of secondary ice production on Arctic stratocumulus. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1301-1316	6.8	17
382	Aerosol pH and liquid water content determine when particulate matter is sensitive to ammonia and nitrate availability. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3249-3258	6.8	39
381	Aerosol absorption over the Aegean Sea under northern summer winds. <i>Atmospheric Environment</i> , <b>2020</b> , 231, 117533	5.3	
380	Using flow cytometry and light-induced fluorescence to characterize the variability and characteristics of bioaerosols in springtime in Metro Atlanta, Georgia. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1817-1838	6.8	4
379	Drivers of cloud droplet number variability in the summertime in the southeastern United States. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 12163-12176	6.8	3

378	Heterogeneous nucleation of water vapor on different types of black carbon particles. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13579-13589	6.8	8
377	Constraining the Twomey effect from satellite observations: issues and perspectives. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 15079-15099	6.8	14
376	A multiphase CMAQ version 5.0 adjoint. <i>Geoscientific Model Development</i> , <b>2020</b> , 13, 2925-2944	6.3	7
375	On the Importance of Organic Mass for Global Cloud Condensation Nuclei Distributions. <i>Springer Proceedings in Complexity</i> , <b>2020</b> , 395-400	0.3	
374	Rapid dark aging of biomass burning as an overlooked source of oxidized organic aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 33028-33033	11.5	21
373	Hybrid multiple-site mass closure and source apportionment of PM and aerosol acidity at major cities in the Po Valley. <i>Science of the Total Environment</i> , <b>2020</b> , 704, 135287	10.2	18
372	Fine particle pH and sensitivity to NH <sub>3</sub> and HNO <sub>3</sub> over summertime South Korea during KORUS-AQ <b>2020</b> ,		1
371	Greater Contribution From Agricultural Sources to Future Reactive Nitrogen Deposition in the United States. <i>Earth's Future</i> , <b>2020</b> , 8, e2019EF001453	7.9	1
370	Using High-Temporal-Resolution Ambient Data to Investigate Gas-Particle Partitioning of Ammonium over Different Seasons. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9834-9843	10.3	2
369	Effects of Water-soluble Organic Carbon on Aerosol pH <b>2019</b> ,		1
368	Retrieval of ice-nucleating particle concentrations from lidar observations and comparison with UAV in situ measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 11315-11342	6.8	31
367	Detailed Analysis of Estimated pH, Activity Coefficients, and Ion Concentrations between the Three Aerosol Thermodynamic Models. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 8903-8913	10.3	12
366	Cloud condensation nuclei activity of six pollenkitts and the influence of their surface activity. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 4741-4761	6.8	13
365	Regional new particle formation as modulators of cloud condensation nuclei and cloud droplet number in the eastern Mediterranean. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 6185-6203	6.8	15
364	Effects of Atmospheric Processing on the Oxidative Potential of Biomass Burning Organic Aerosols. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 6747-6756	10.3	30
363	Simultaneous Detection of Alkylamines in the Surface Ocean and Atmosphere of the Antarctic Sympagic Environment. <i>ACS Earth and Space Chemistry</i> , <b>2019</b> , 3, 854-862	3.2	23
362	Pyrogenic iron: The missing link to high iron solubility in aerosols. <i>Science Advances</i> , <b>2019</b> , 5, eaau7671	14.3	88
361	Yearlong variability of oxidative potential of particulate matter in an urban Mediterranean environment. <i>Atmospheric Environment</i> , <b>2019</b> , 206, 183-196	5.3	21

360	High-Resolution Data Sets Unravel the Effects of Sources and Meteorological Conditions on Nitrate and Its Gas-Particle Partitioning. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 3048-3057	10.3	24
359	Aerosols in an arid environment: The role of aerosol water content, particulate acidity, precursors, and relative humidity on secondary inorganic aerosols. <i>Science of the Total Environment</i> , <b>2019</b> , 646, 564-572	10.2	28
358	Dimensionality Reduction and Network Inference for Climate Data Using EMAPS: Application to the CESM Large Ensemble Sea Surface Temperature. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2019</b> , 11, 1479-1515	7.1	9
357	Atmospheric evolution of molecular-weight-separated brown carbon from biomass burning. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 7319-7334	6.8	57
356	Evaluation of global simulations of aerosol particle and cloud condensation nuclei number, with implications for cloud droplet formation. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 8591-8617	6.8	31
355	Thermodynamic Modeling Suggests Declines in Water Uptake and Acidity of Inorganic Aerosols in Beijing Winter Haze Events during 2014/2015-2018/2019. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 752-760	11	35
354	Effects of water-soluble organic carbon on aerosol pH. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 14607-14620	6.7	14620
353	The Acidity of Atmospheric Particles and Clouds <b>2019</b> ,		8
352	Effects of regional and local atmospheric dynamics on the aerosol and CCN load over Athens. <i>Atmospheric Environment</i> , <b>2019</b> , 197, 53-65	5.3	5
351	Long-term cloud condensation nuclei number concentration, particle number size distribution and chemical composition measurements at regionally representative observatories. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2853-2881	6.8	62
350	Modeling biogenic secondary organic aerosol (BSOA) formation from monoterpene reactions with NO <sub>3</sub> : A case study of the SOAS campaign using CMAQ. <i>Atmospheric Environment</i> , <b>2018</b> , 184, 146-155	5.3	9
349	Advancing climate science with knowledge-discovery through data mining. <i>Npj Climate and Atmospheric Science</i> , <b>2018</b> , 1,	8	7
348	A new method to retrieve the real part of the equivalent refractive index of atmospheric aerosols. <i>Journal of Aerosol Science</i> , <b>2018</b> , 117, 54-62	4.3	11
347	Hygroscopic properties of atmospheric particles emitted during wintertime biomass burning episodes in Athens. <i>Atmospheric Environment</i> , <b>2018</b> , 178, 66-72	5.3	8
346	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. <i>Bulletin of the American Meteorological Society</i> , <b>2018</b> , 99, 547-567	6.1	50
345	Initiation of secondary ice production in clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 1593-1610	6.8	37
344	A multi-year data set on aerosol-cloud-precipitation-meteorology interactions for marine stratocumulus clouds. <i>Scientific Data</i> , <b>2018</b> , 5, 180026	8.2	18
343	A comprehensive approach for the simulation of the Urban Heat Island effect with the WRF/SLUCM modeling system: The case of Athens (Greece). <i>Atmospheric Research</i> , <b>2018</b> , 201, 86-101	5.4	30

342	Solar Irradiance Prediction over the Aegean Sea: Shortwave Parameterization Schemes and Aerosol Radiation Feedback. <i>Springer Proceedings in Complexity</i> , <b>2018</b> , 141-145	0.3	
341	Understanding nitrate formation in a world with less sulfate <b>2018</b> ,		2
340	Linked Response of Aerosol Acidity and Ammonia to SO and NO Emissions Reductions in the United States. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 9861-9873	10.3	28
339	Studying the impact of radioactive charging on the microphysical evolution and transport of radioactive aerosols with the TOMAS-RC v1 Framework. <i>Journal of Environmental Radioactivity</i> , <b>2018</b> , 192, 150-159	2.4	0
338	Regional Similarities and NO-related Increases in Biogenic Secondary Organic Aerosol in Summertime Southeastern U.S. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 10620-10636	4.4	12
337	Characterization of aerosol composition, aerosol acidity, and organic acid partitioning at an agriculturally intensive rural southeastern US site. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 11471-11491	6.8	55
336	Lidar Ice nuclei estimates and how they relate with airborne in-situ measurements. <i>EPJ Web of Conferences</i> , <b>2018</b> , 176, 05018	0.3	
335	High Aerosol Acidity Despite Declining Atmospheric Sulfate Concentrations: Lessons from Observations and Implications for Models. <i>Springer Proceedings in Complexity</i> , <b>2018</b> , 171-176	0.3	
334	Aerosols in the Mediterranean Region and Their Role in Cloud Formation. <i>Springer Proceedings in Complexity</i> , <b>2018</b> , 551-557	0.3	1
333	The effect of secondary ice production parameterization on the simulation of a cold frontal rainband. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 16461-16480	6.8	15
332	Implementation of a comprehensive ice crystal formation parameterization for cirrus and mixed-phase clouds in the EMAC model (based on MESSy 2.53). <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 4021-4041	6.3	8
331	Regional New Particle Formation as Modulators of Cloud Condensation Nuclei and Cloud Droplet Number in the Eastern Mediterranean <b>2018</b> ,		1
330	Characterization of Aerosol Composition, Aerosol Acidity and Organic Acid Partitioning at an Agriculture-Intensive Rural Southeastern U.S. Site <b>2018</b> ,		1
329	CCN activity of six pollenkitts and the influence of their surface activity <b>2018</b> ,		1
328	Enhanced Iron Solubility at Low pH in Global Aerosols. <i>Atmosphere</i> , <b>2018</b> , 9, 201	2.7	22
327	The underappreciated role of nonvolatile cations in aerosol ammonium-sulfate molar ratios. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 17307-17323	6.8	39
326	Reviews and syntheses: the GESAMP atmospheric iron deposition model intercomparison study. <i>Biogeosciences</i> , <b>2018</b> , 15, 6659-6684	4.6	44
325	Organic aerosol in the summertime southeastern United States: components and their link to volatility distribution, oxidation state and hygroscopicity. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 5799-5819	6.8	12

324	Understanding nitrate formation in a world with less sulfate. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 12765-12775	6.8	45
323	Atmospheric Evolution of Molecular Weight Separated Brown Carbon from Biomass Burning <b>2018</b> ,		2
322	Effectiveness of ammonia reduction on control of fine particle nitrate. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 12241-12256	6.8	78
321	Simulating Biogenic Secondary Organic Aerosol During Summertime in China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 11,100	4.4	6
320	Source apportionment of organic carbon in Centreville, AL using organosulfates in organic tracer-based positive matrix factorization. <i>Atmospheric Environment</i> , <b>2018</b> , 186, 74-88	5.3	16
319	Highly Acidic Ambient Particles, Soluble Metals, and Oxidative Potential: A Link between Sulfate and Aerosol Toxicity. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 2611-2620	10.3	205
318	Air pollution-aerosol interactions produce more bioavailable iron for ocean ecosystems. <i>Science Advances</i> , <b>2017</b> , 3, e1601749	14.3	128
317	Simulating Aqueous-Phase Isoprene-Epoxydiol (IEPOX) Secondary Organic Aerosol Production During the 2013 Southern Oxidant and Aerosol Study (SOAS). <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 5026-5034	10.3	64
316	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 1857-1877	6.1	43
315	Microphysical explanation of the RH-dependent water affinity of biogenic organic aerosol and its importance for climate. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 5167-5177	4.9	56
314	Changes in Light Absorptivity of Molecular Weight Separated Brown Carbon Due to Photolytic Aging. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 8414-8421	10.3	107
313	Top-of-atmosphere radiative forcing affected by brown carbon in the upper troposphere. <i>Nature Geoscience</i> , <b>2017</b> , 10, 486-489	18.3	114
312	Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition. <i>Scientific Data</i> , <b>2017</b> , 4, 170003	8.2	27
311	pH of Aerosols in a Polluted Atmosphere: Source Contributions to Highly Acidic Aerosol. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 4289-4296	10.3	102
310	Incorporating radioactive decay into charging and coagulation of multicomponent radioactive aerosols. <i>Journal of Aerosol Science</i> , <b>2017</b> , 114, 283-300	4.3	7
309	High levels of ammonia do not raise fine particle pH sufficiently to yield nitrogen oxide-dominated sulfate production. <i>Scientific Reports</i> , <b>2017</b> , 7, 12109	4.9	115
308	Modeling regional air quality and climate: improving organic aerosol and aerosol activation processes in WRF/Chem version 3.7.1. <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 2333-2363	6.3	10
307	Profiling aerosol optical, microphysical and hygroscopic properties in ambient conditions by combining in situ and remote sensing. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 83-107	4	7

306	Studying the Impact of Radioactive Charging on the Microphysical Evolution and Transport of Radioactive Aerosols with the TOMAS-RC v1 framework <b>2017</b> ,		1
305	The underappreciated role of nonvolatile cations on aerosol ammonium-sulfate molar ratios <b>2017</b> ,		9
304	Fine particle pH and gas-particle phase partitioning of inorganic species in Pasadena, California, during the 2010 CalNex campaign <b>2017</b> ,		1
303	Investigating the contribution of secondary ice production to in-cloud ice crystal numbers. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 9391-9412	4.4	17
302	Revising the hygroscopicity of inorganic sea salt particles. <i>Nature Communications</i> , <b>2017</b> , 8, 15883	17.4	116
301	Validation of LIRIC aerosol concentration retrievals using airborne measurements during a biomass burning episode over Athens. <i>Atmospheric Research</i> , <b>2017</b> , 183, 255-267	5.4	8
300	From hygroscopic aerosols to cloud droplets: The HygrA-CD campaign in the Athens basin - An overview. <i>Science of the Total Environment</i> , <b>2017</b> , 574, 216-233	10.2	7
299	New particle formation in the southern Aegean Sea during the Etesians: importance for CCN production and cloud droplet number. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 175-192	6.8	33
298	On the implications of aerosol liquid water and phase separation for organic aerosol mass. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 343-369	6.8	122
297	Global impact of mineral dust on cloud droplet number concentration. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 5601-5621	6.8	42
296	Fine particle pH and gas-particle phase partitioning of inorganic species in Pasadena, California, during the 2010 CalNex campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 5703-5719	6.8	128
295	Aerosol Vertical Profiling Utilizing the Synergy of Lidar, Sunphotometry and In-Situ Measurements in the Framework of the ACTRIS-2 Campaign in Athens. <i>Springer Atmospheric Sciences</i> , <b>2017</b> , 891-897	0.7	1
294	CCN Activity, Variability and Influence on Droplet Formation during the HygrA-Cd Campaign in Athens. <i>Atmosphere</i> , <b>2017</b> , 8, 108	2.7	8
293	From Hygroscopic Aerosols to Cloud Droplets: The HygrA-CD Campaign in the Athens Basin - An Overview. <i>Springer Atmospheric Sciences</i> , <b>2017</b> , 781-787	0.7	1
292	Impact of Chemical Composition on NPF, CCN and Droplet Formation at South Aegean Sea During Summertime Etesians. <i>Springer Atmospheric Sciences</i> , <b>2017</b> , 875-881	0.7	0
291	Fine Particle Water and PH in an Urban and Remote Location and the Role of Biomass Burning. <i>Springer Atmospheric Sciences</i> , <b>2017</b> , 837-843	0.7	1
290	Global atmospheric particle formation from CERN CLOUD measurements. <i>Science</i> , <b>2016</b> , 354, 1119-1124	33.3	207
289	Enhanced formation of isoprene-derived organic aerosol in sulfur-rich power plant plumes during Southeast Nexus. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 11,137-11,153	4.4	38



288	Understanding cirrus ice crystal number variability for different heterogeneous ice nucleation spectra. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2611-2629	6.8	9
287	Biomass-burning impact on CCN number, hygroscopicity and cloud formation during summertime in the eastern Mediterranean. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7389-7409	6.8	58
286	Charging and coagulation of radioactive and nonradioactive particles in the atmosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 3449-3462	6.8	8
285	Chemical and physical influences on aerosol activation in liquid clouds: a study based on observations from the Jungfrauoch, Switzerland. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 4043-4061	6.8	10
284	Particle water and pH in the eastern Mediterranean: source variability and implications for nutrient availability. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 4579-4591	6.8	115
283	Aircraft-measured indirect cloud effects from biomass burning smoke in the Arctic and subarctic. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 715-738	6.8	22
282	Aerosol water parameterisation: a single parameter framework. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7213-7237	6.8	16
281	Chapter 7. Secondary Ice Production - current state of the science and recommendations for the future. <i>Meteorological Monographs</i> , <b>2016</b> ,	5.7	74
280	Real-Time, Online Automated System for Measurement of Water-Soluble Reactive Phosphate Ions in Atmospheric Particles. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7163-70	7.8	7
279	Influence of Atmospheric Processes on the Solubility and Composition of Iron in Saharan Dust. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 6912-20	10.3	47
278	High aerosol acidity despite declining atmospheric sulfate concentrations over the past 15 years. <i>Nature Geoscience</i> , <b>2016</b> , 9, 282-285	18.3	250
277	Past, Present and Future Atmospheric Nitrogen Deposition. <i>Journals of the Atmospheric Sciences</i> , <b>2016</b> , 73, 2039-2047	2.1	147
276	Instrumentation and Measurement Strategy for the NOAA SENEX Aircraft Campaign as Part of the Southeast Atmosphere Study 2013. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 3063-3093	4	50
275	New Particle Formation in the South Aegean Sea during the Etesians: importance for CCN production and cloud droplet number <b>2016</b> ,		2
274	Reply to Comment on Premature deaths attributed to source-specific BC emissions in six urban US regions <i>Environmental Research Letters</i> , <b>2016</b> , 11, 098002	6.2	
273	Bioavailable atmospheric phosphorous supply to the global ocean: a 3-D global modeling study. <i>Biogeosciences</i> , <b>2016</b> , 13, 6519-6543	4.6	43
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