

Armin Wisthaler

List of Publications by Year in descending order

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161
papers

9,854
citations

28274

55
h-index

48315

88
g-index

196
all docs

196
docs citations

196
times ranked

8096
citing authors

#	ARTICLE	IF	CITATIONS
1	Observations of atmospheric oxidation and ozone production in South Korea. <i>Atmospheric Environment</i> , 2022, 269, 118854.	4.1	6
2	Field observational constraints on the controllers in glyoxal (CHOCHO) reactive uptake to aerosol. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 805-821.	4.9	5
3	Evaluation of Secondary Organic Aerosol (SOA) Simulations for Seoul, Korea. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	10
4	An Inversion Framework for Optimizing Non-Methane VOC Emissions Using Remote Sensing and Airborne Observations in Northeast Asia During the KORUS-AQ Field Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	8
5	Next-Generation Isoprene Measurements From Space: Detecting Daily Variability at High Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	11
6	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4253-4275.	4.9	9
7	Atmospheric Chemistry of <i>N</i> -Methylmethanimine (CH ₃ NH-CH ₂): A Theoretical and Experimental Study. <i>Journal of Physical Chemistry A</i> , 2022, 126, 3247-3264.	2.5	6
8	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires. <i>Environmental Science & Technology</i> , 2022, 56, 7564-7577.	10.0	15
9	Evaluating the Impact of Chemical Complexity and Horizontal Resolution on Tropospheric Ozone Over the Conterminous US With a Global Variable Resolution Chemistry Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	20
10	The role of a suburban forest in controlling vertical trace gas and OH reactivity distributions – a case study for the Seoul metropolitan area. <i>Faraday Discussions</i> , 2021, 226, 537-550.	3.2	3
11	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1545-1559.	3.1	20
12	Introducing the extended volatility range proton-transfer-reaction mass spectrometer (EVR PTR-MS). <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1355-1363.	3.1	17
13	Factors controlling marine aerosol size distributions and their climate effects over the northwest Atlantic Ocean region. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1889-1916.	4.9	14
14	Future changes in isoprene-epoxydiol-derived secondary organic aerosol (IEPOX SOA) under the Shared Socioeconomic Pathways: the importance of physicochemical dependency. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3395-3425.	4.9	16
15	Wintertime Nitrous Oxide Emissions in the San Joaquin Valley of California Estimated from Aircraft Observations. <i>Environmental Science & Technology</i> , 2021, 55, 4462-4473.	10.0	4
16	Validation of IASI Satellite Ammonia Observations at the Pixel Scale Using In Situ Vertical Profiles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033475.	3.3	28
17	Revisiting Acetonitrile as Tracer of Biomass Burning in Anthropogenic-Influenced Environments. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092322.	4.0	21
18	Ammonia Dry Deposition in an Alpine Ecosystem Traced to Agricultural Emission Hotspots. <i>Environmental Science & Technology</i> , 2021, 55, 7776-7785.	10.0	13

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19	Atmospheric Chemistry of 2-Amino-2-methyl-1-propanol: A Theoretical and Experimental Study of the OH-Initiated Degradation under Simulated Atmospheric Conditions. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7502-7519.	2.5	5
20	Top-down estimates of anthropogenic VOC emissions in South Korea using formaldehyde vertical column densities from aircraft during the KORUS-AQ campaign. <i>Elementa</i> , 2021, 9, .	3.2	16
21	Experimental and Theoretical Study of the OH-Initiated Degradation of Piperazine under Simulated Atmospheric Conditions. <i>Journal of Physical Chemistry A</i> , 2021, 125, 411-422.	2.5	10
22	Online monitoring of volatile organic compounds emitted from human bronchial epithelial cells as markers for oxidative stress. <i>Journal of Breath Research</i> , 2021, 15, 016015.	3.0	2
23	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16293-16317.	4.9	34
24	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. <i>Environmental Science & Technology</i> , 2021, 55, 15646-15657.	10.0	11
25	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , 2021, 7, eabl3648.	10.3	45
26	A novel method for producing NH ₄ ⁺ reagent ions in the hollow cathode glow discharge ion source of PTR-MS instruments. <i>International Journal of Mass Spectrometry</i> , 2020, 447, 116254.	1.5	25
27	Atmospheric Chemistry of Methyl Isocyanide—An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6562-6571.	2.5	3
28	High Concentrations of Atmospheric Isocyanic Acid (HNCO) Produced from Secondary Sources in China. <i>Environmental Science & Technology</i> , 2020, 54, 11818-11826.	10.0	20
29	Satellite isoprene retrievals constrain emissions and atmospheric oxidation. <i>Nature</i> , 2020, 585, 225-233.	27.8	53
30	Atmospheric chemistry of diazomethane — an experimental and theoretical study. <i>Molecular Physics</i> , 2020, 118, e1718227.	1.7	3
31	Modeling air quality in the San Joaquin valley of California during the 2013 Discover-AQ field campaign. <i>Atmospheric Environment: X</i> , 2020, 5, 100067.	1.4	9
32	Comprehensive isoprene and terpene gas-phase chemistry improves simulated surface ozone in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3739-3776.	4.9	47
33	Airborne formaldehyde and volatile organic compound measurements over the Daesan petrochemical complex on Korea's northwest coast during the Korea-United States Air Quality study. <i>Elementa</i> , 2020, 8, .	3.2	21
34	Observation-based modeling of ozone chemistry in the Seoul metropolitan area during the Korea-United States Air Quality Study (KORUS-AQ). <i>Elementa</i> , 2020, 8, .	3.2	32
35	Characterization, sources and reactivity of volatile organic compounds (VOCs) in Seoul and surrounding regions during KORUS-AQ. <i>Elementa</i> , 2020, 8, .	3.2	44
36	An inversion of NO _x and non-methane volatile organic compound (NMVOC) emissions using satellite observations during the KORUS-AQ campaign and implications for surface ozone over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9837-9854.	4.9	30

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37	Time-Resolved Intermediate-Volatility and Semivolatile Organic Compound Emissions from Household Coal Combustion in Northern China. <i>Environmental Science & Technology</i> , 2019, 53, 9269-9278.	10.0	44
38	On the sources and sinks of atmospheric VOCs: an integrated analysis of recent aircraft campaigns over North America. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9097-9123.	4.9	32
39	Bulk Organic Aerosol Analysis by Proton-Transfer-Reaction Mass Spectrometry: An Improved Methodology for the Determination of Total Organic Mass, O:C and H:C Elemental Ratios, and the Average Molecular Formula. <i>Analytical Chemistry</i> , 2019, 91, 12619-12624.	6.5	11
40	Towards a satellite formaldehyde "in situ hybrid estimate for organic aerosol abundance. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2765-2785.	4.9	15
41	Taehwa Research Forest: a receptor site for severe domestic pollution events in Korea during 2016. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5051-5067.	4.9	7
42	The North Atlantic Aerosol and Marine Ecosystem Study (NAAMES): Science Motive and Mission Overview. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	111
43	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. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14875-14899.	4.9	92
44	Airborne measurements of particulate organic matter by proton-transfer-reaction mass spectrometry (PTR-MS): a pilot study. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5947-5958.	3.1	9
45	Evaluation of simulated O ₃ production efficiency during the KORUS-AQ campaign: Implications for anthropogenic NO _x emissions in Korea. <i>Elementa</i> , 2019, 7, .	3.2	38
46	Substantial Seasonal Contribution of Observed Biogenic Sulfate Particles to Cloud Condensation Nuclei. <i>Scientific Reports</i> , 2018, 8, 3235.	3.3	103
47	Theoretical and Experimental Study on the Reaction of <i>tert</i> -Butylamine with OH Radicals in the Atmosphere. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4470-4480.	2.5	13
48	Impact of Alternative Jet Fuels on Engine Exhaust Composition During the 2015 ECLIF Ground-Based Measurements Campaign. <i>Environmental Science & Technology</i> , 2018, 52, 4969-4978.	10.0	46
49	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14493-14510.	4.9	18
50	Estimating Source Region Influences on Black Carbon Abundance, Microphysics, and Radiative Effect Observed Over South Korea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,527.	3.3	24
51	Is there an aerosol signature of chemical cloud processing?. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16099-16119.	4.9	30
52	A compact and easy-to-use mass spectrometer for online monitoring of amines in the flue gas of a post-combustion carbon capture plant. <i>International Journal of Greenhouse Gas Control</i> , 2018, 78, 349-353.	4.6	12
53	New Perspectives on CO ₂ , Temperature, and Light Effects on BVOC Emissions Using Online Measurements by PTR-MS and Cavity Ring-Down Spectroscopy. <i>Environmental Science & Technology</i> , 2018, 52, 13811-13823.	10.0	31
54	Gas-to-particle partitioning of major biogenic oxidation products: a study on freshly formed and aged biogenic SOA. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12969-12989.	4.9	18

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55	High-resolution inversion of OMI formaldehyde columns to quantify isoprene emission on ecosystem-relevant scales: application to the southeast US. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5483-5497.	4.9	64
56	Comparison of three aerosol chemical characterization techniques utilizing PTR-ToF-MS: a study on freshly formed and aged biogenic SOA. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1481-1500.	3.1	17
57	Eddy-covariance flux measurements in an Italian deciduous forest using PTR-ToF-MS, PTR-QMS and FIS. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 758-788.	3.3	9
58	Modeling NH ₄ NO ₃ Over the San Joaquin Valley During the 2013 DISCOVER-AQ Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4727-4745.	3.3	18
59	Lubricating Oil as a Major Constituent of Ship Exhaust Particles. <i>Environmental Science and Technology Letters</i> , 2017, 4, 54-58.	8.7	34
60	Airborne measurements of western U.S. wildfire emissions: Comparison with prescribed burning and air quality implications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6108-6129.	3.3	184
61	In situ measurements of water uptake by black carbon-containing aerosol in wildfire plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1086-1097.	3.3	21
62	Chemical kinetics of multiphase reactions between ozone and human skin lipids: Implications for indoor air quality and health effects. <i>Indoor Air</i> , 2017, 27, 816-828.	4.3	64
63	Degradation and Emission Results of Amine Plant Operations from MEA Testing at the CO ₂ Technology Centre Mongstad. <i>Energy Procedia</i> , 2017, 114, 1245-1262.	1.8	40
64	Atmospheric Chemistry of tert-butylamine and AMP. <i>Energy Procedia</i> , 2017, 114, 1026-1032.	1.8	3
65	Direct Sampling and Analysis of Atmospheric Particulate Organic Matter by Proton-Transfer-Reaction Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 10889-10897.	6.5	34
66	A Sampling Line Artifact in Stack Emission Measurement of Alkanolamine-enabled Carbon Capture Facility: Surface Reaction of Amines with Formaldehyde. <i>Energy Procedia</i> , 2017, 114, 1022-1025.	1.8	4
67	Using Observations and Source-specific Model Tracers to Characterize Pollutant Transport During FRAPP ₂₀₁₀ and DISCOVER-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10510-10538.	3.3	22
68	New insights into the column CH ₂ O/NO ₂ ratio as an indicator of near-surface ozone sensitivity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8885-8907.	3.3	87
69	Higher measured than modeled ozone production at increased NO _x levels in the Colorado Front Range. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11273-11292.	4.9	18
70	Biogenic isoprene emissions driven by regional weather predictions using different initialization methods: case studies during the SEAC _{4RS} and DISCOVER-AQ airborne campaigns. <i>Geoscientific Model Development</i> , 2017, 10, 3085-3104.	3.6	6
71	Formaldehyde column density measurements as a suitable pathway to estimate near-surface ozone tendencies from space. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13088-13112.	3.3	19
72	Convective transport of formaldehyde to the upper troposphere and lower stratosphere and associated scavenging in thunderstorms over the central United States during the 2012 DC3 study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7430-7460.	3.3	28

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73	Airborne characterization of subsaturated aerosol hygroscopicity and dry refractive index from the surface to 6.5 km during the SEAC ⁴ RS campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4188-4210.	3.3	67
74	Ambient observations of hygroscopic growth factor and $f(RH)$ below 1: Case studies from surface and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 661-677.	3.3	25
75	Airborne quantification of upper tropospheric NO _x production from lightning in deep convective storms over the United States Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2002-2028.	3.3	25
76	Atmospheric benzene observations from oil and gas production in the Denver-Julesburg Basin in July and August 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,055.	3.3	70
77	Large vertical gradient of reactive nitrogen oxides in the boundary layer: Modeling analysis of DISCOVER ^{AQ} 2011 observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1922-1934.	3.3	38
78	Intercomparison and evaluation of satellite peroxyacetyl nitrate observations in the upper troposphere-lower stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13541-13559.	4.9	15
79	Sensitivity to grid resolution in the ability of a chemical transport model to simulate observed oxidant chemistry under high-isoprene conditions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4369-4378.	4.9	60
80	In situ measurements and modeling of reactive trace gases in a small biomass burning plume. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3813-3824.	4.9	81
81	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEAC ⁴ RS) and ground-based (SOAS) observations in the Southeast US. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5969-5991.	4.9	173
82	Large-eddy simulation of biogenic VOC chemistry during the DISCOVER ^{AQ} 2011 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 8083-8105.	3.3	17
83	Agricultural fires in the southeastern U.S. during SEAC ⁴ RS: Emissions of trace gases and particles and evolution of ozone, reactive nitrogen, and organic aerosol. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7383-7414.	3.3	93
84	Airborne observations of bioaerosol over the Southeast United States using a Wideband Integrated Bioaerosol Sensor. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 8506-8524.	3.3	40
85	Simulating reactive nitrogen, carbon monoxide, and ozone in California during ARCTAS-CARB 2008 with high wildfire activity. <i>Atmospheric Environment</i> , 2016, 128, 28-44.	4.1	26
86	Airborne measurements and emission estimates of greenhouse gases and other trace constituents from the 2013 California Yosemite Rim wildfire. <i>Atmospheric Environment</i> , 2016, 127, 293-302.	4.1	20
87	Experimental and Theoretical Study of the OH-Initiated Photo-oxidation of Formamide. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1222-1230.	2.5	23
88	Observational Constraints on the Oxidation of NO _x in the Upper Troposphere. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1468-1478.	2.5	23
89	Upper tropospheric ozone production from lightning NO _x -impacted convection: Smoke ingestion case study from the DC3 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2505-2523.	3.3	88
90	Validation of TES ammonia observations at the single pixel scale in the San Joaquin Valley during DISCOVER ^{AQ} . <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5140-5154.	3.3	31

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91	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6721-6744.	4.9	62
92	Brown carbon aerosol in the North American continental troposphere: sources, abundance, and radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7841-7858.	4.9	96
93	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11807-11833.	4.9	185
94	In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEAC<sup>4</sup</sup>RS: observations of a modest aerosol enhancement aloft. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7085-7102.	4.9	50
95	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1281-1309.	3.3	165
96	Quantifying sources and sinks of reactive gases in the lower atmosphere using airborne flux observations. <i>Geophysical Research Letters</i> , 2015, 42, 8231-8240.	4.0	53
97	Aerosol transport and wet scavenging in deep convective clouds: A case study and model evaluation using a multiple passive tracer analysis approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8448-8468.	3.3	56
98	Airborne measurements of organosulfates over the continental U.S.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2990-3005.	3.3	96
99	The Molecular Identification of Organic Compounds in the Atmosphere: State of the Art and Challenges. <i>Chemical Reviews</i> , 2015, 115, 3919-3983.	47.7	417
100	The reactions of N-methylformamide and N,N-dimethylformamide with OH and their photo-oxidation under atmospheric conditions: experimental and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7046-7059.	2.8	34
101	A novel inlet system for online chemical analysis of semi-volatile submicron particulate matter. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1353-1360.	3.1	58
102	Emissions of C ₆ -C ₈ aromatic compounds in the United States: Constraints from tall tower and aircraft measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 826-842.	3.3	44
103	A compact PTR-ToF-MS instrument for airborne measurements of volatile organic compounds at high spatiotemporal resolution. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3763-3772.	3.1	95
104	Emission Results of Amine Plant Operations from MEA Testing at the CO2 Technology Centre Mongstad. <i>Energy Procedia</i> , 2014, 63, 6023-6038.	1.8	45
105	Atmospheric Fate of Nitramines: An Experimental and Theoretical Study of the OH Reactions with CH ₃ NHNO ₂ and (CH ₃) ₂ NNO ₂ . <i>Journal of Physical Chemistry A</i> , 2014, 118, 3450-3462.	2.5	15
106	Conversion of hydroperoxides to carbonyls in field and laboratory instrumentation: Observational bias in diagnosing pristine versus anthropogenically controlled atmospheric chemistry. <i>Geophysical Research Letters</i> , 2014, 41, 8645-8651.	4.0	99
107	Brown carbon in the continental troposphere. <i>Geophysical Research Letters</i> , 2014, 41, 2191-2195.	4.0	113
108	A new software tool for the analysis of high resolution PTR-TOF mass spectra. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 127, 158-165.	3.5	102

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109	Observations of total RONO ₂ over the boreal forest: NO _x sinks and HNO ₃ sources. Atmospheric Chemistry and Physics, 2013, 13, 4543-4562.	4.9	76
110	Source attributions of pollution to the Western Arctic during the NASA ARCTAS field campaign. Atmospheric Chemistry and Physics, 2013, 13, 4707-4721.	4.9	67
111	Spectral absorption of biomass burning aerosol determined from retrieved single scattering albedo during ARCTAS. Atmospheric Chemistry and Physics, 2012, 12, 10505-10518.	4.9	41
112	Analysis of high mass resolution PTR-TOF mass spectra from 1,3,5-trimethylbenzene (TMB) environmental chamber experiments. Atmospheric Chemistry and Physics, 2012, 12, 829-843.	4.9	37
113	Impact of the deep convection of isoprene and other reactive trace species on radicals and ozone in the upper troposphere. Atmospheric Chemistry and Physics, 2012, 12, 1135-1150.	4.9	33
114	Study of OH-initiated degradation of 2-aminoethanol. Atmospheric Chemistry and Physics, 2012, 12, 1881-1901.	4.9	51
115	An analysis of fast photochemistry over high northern latitudes during spring and summer using in-situ observations from ARCTAS and TOPSE. Atmospheric Chemistry and Physics, 2012, 12, 6799-6825.	4.9	38
116	Emission characteristics of black carbon in anthropogenic and biomass burning plumes over California during ARCTAS-CARB 2008. Journal of Geophysical Research, 2012, 117, .	3.3	73
117	Interactions of fire emissions and urban pollution over California: Ozone formation and air quality simulations. Atmospheric Environment, 2012, 56, 45-51.	4.1	92
118	Seasonal variation of the transport of black carbon aerosol from the Asian continent to the Arctic during the ARCTAS aircraft campaign. Journal of Geophysical Research, 2011, 116, .	3.3	104
119	Emissions of black carbon, organic, and inorganic aerosols from biomass burning in North America and Asia in 2008. Journal of Geophysical Research, 2011, 116, .	3.3	206
120	Patterns of CO ₂ and radiocarbon across high northern latitudes during International Polar Year 2008. Journal of Geophysical Research, 2011, 116, .	3.3	59
121	Effects of aging on organic aerosol from open biomass burning smoke in aircraft and laboratory studies. Atmospheric Chemistry and Physics, 2011, 11, 12049-12064.	4.9	520
122	Global and regional effects of the photochemistry of CH ₃ OO ₂ /NO ₂ and evidence from ARCTAS. Atmospheric Chemistry and Physics, 2011, 11, 4209-4219.	4.9	209
123	Boreal forest fire emissions in fresh Canadian smoke plumes: C ₁₀ volatile organic compounds (VOCs), CO ₂ , CO, NO ₂ , NO, HCN and CH ₃ CN. Atmospheric Chemistry and Physics, 2011, 11, 6445-6463.	4.9	209
124	Characterizing summertime chemical boundary conditions for airmasses entering the US West Coast. Atmospheric Chemistry and Physics, 2011, 11, 1769-1790.	4.9	90
125	CO source contribution analysis for California during ARCTAS-CARB. Atmospheric Chemistry and Physics, 2011, 11, 7515-7532.	4.9	79
126	Absorbing aerosol in the troposphere of the Western Arctic during the 2008 ARCTAS/ARCPAC airborne field campaigns. Atmospheric Chemistry and Physics, 2011, 11, 7561-7582.	4.9	70

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127	Observations of nonmethane organic compounds during ARCTAS â Part 1: Biomass burning emissions and plume enhancements. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11103-11130.	4.9	80
128	Comparison of chemical characteristics of 495 biomass burning plumes intercepted by the NASA DC-8 aircraft during the ARCTAS/CARB-2008 field campaign. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 13325-13337.	4.9	106
129	Accumulation-mode aerosol number concentrations in the Arctic during the ARCTAS aircraft campaign: Long-range transport of polluted and clean air from the Asian continent. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	22
130	Atmospheric chemistry of 2-aminoethanol (MEA). <i>Energy Procedia</i> , 2011, 4, 2245-2252.	1.8	65
131	Nitrogen oxides and PAN in plumes from boreal fires during ARCTAS-B and their impact on ozone: an integrated analysis of aircraft and satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9739-9760.	4.9	234
132	Reactions of ozone with human skin lipids: Sources of carbonyls, dicarbonyls, and hydroxycarbonyls in indoor air. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6568-6575.	7.1	341
133	Biogenic emission measurement and inventories determination of biogenic emissions in the eastern United States and Texas and comparison with biogenic emission inventories. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	89
134	Intercomparison of ammonia measurement techniques at an intensively managed grassland site (Oensingen, Switzerland). <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 2635-2645.	4.9	73
135	A multimethodological approach to study the spatial distribution of air pollution in an Alpine valley during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3385-3396.	4.9	35
136	A product study of the isoprene+NO<sub>2</sub> reaction. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4945-4956.	4.9	88
137	Geographical origin classification of olive oils by PTR-MS. <i>Food Chemistry</i> , 2008, 108, 374-383.	8.2	93
138	Desiccant wheels as gas-phase absorption (GPA) air cleaners: evaluation by PTR-MS and sensory assessment. <i>Indoor Air</i> , 2008, 18, 375-385.	4.3	40
139	Development of a Proton-Transfer Reaction-Linear Ion Trap Mass Spectrometer for Quantitative Determination of Volatile Organic Compounds. <i>Analytical Chemistry</i> , 2008, 80, 8171-8177.	6.5	44
140	On-Line Monitoring of Microbial Volatile Metabolites by Proton Transfer Reaction-Mass Spectrometry. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2179-2186.	3.1	199
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