Paul S Monks

List of Publications by Year
in descending order

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Version: 2024-02-01

238 papers	14,163 citations	31902 53 h-index	30010 103 g-index
299 all docs	299 docs citations	299 times ranked	11748 citing authors

#	Article	IF	Citations
1	The utility of a standardised breath sampler in school age children within a real-world prospective study. Journal of Breath Research, 2022, 16, 027104.	1.5	2
2	Carbonaceous aerosols in five European cities: Insights into primary emissions and secondary particle formation. Atmospheric Research, 2022, 274, 106180.	1.8	6
3	Air pollution induces Staphylococcus aureus USA300 respiratory tract colonization mediated by specific bacterial genetic responses involving the global virulence gene regulators Agr and Sae. Environmental Microbiology, 2022, 24, 4449-4465.	1.8	5
4	Changes in ambient air quality and atmospheric composition and reactivity in the South East of the UK as a result of the COVID-19 lockdown. Science of the Total Environment, 2021, 755, 142526.	3.9	48
5	Volatile organic compounds in a headspace sampling system and asthmatics sputum samples. Journal of Breath Research, 2021, 15, 027102.	1.5	4
6	Breathomics for the clinician: the use of volatile organic compounds in respiratory diseases. Thorax, 2021, 76, 514-521.	2.7	51
7	Enhanced wintertime oxidation of VOCs via sustained radical sources in the urban atmosphere. Environmental Pollution, 2021, 274, 116563.	3.7	15
8	A systematic review of the diagnostic accuracy of volatile organic compounds in airway diseases and their relation to markers of type-2 inflammation. ERJ Open Research, 2021, 7, 00030-2021.	1.1	5
9	Diagnosis of COVID-19 by exhaled breath analysis using gas chromatography-mass spectrometry. ERJ Open Research, 2021, 7, 00139-2021.	1.1	64
10	Opinion: Papers that shaped tropospheric chemistry. Atmospheric Chemistry and Physics, 2021, 21, 12909-12948.	1.9	4
11	Assessing the feasibility and acceptability of online measurements of exhaled volatile organic compounds (VOCs) in children with preschool wheeze: a pilot study. BMJ Paediatrics Open, 2021, 5, e001003.	0.6	2
12	Volatile Organic Compound Composition of Urban Air in Nairobi, Kenya and Lagos, Nigeria. Atmosphere, 2021, 12, 1329.	1.0	1
13	The variability of volatile organic compounds in the indoor air of clinical environments. Journal of Breath Research, 2021, 16, .	1.5	11
14	Automating and Extending Comprehensive Two-Dimensional Gas Chromatography Data Processing by Interfacing Open-Source and Commercial Software. Analytical Chemistry, 2020, 92, 13953-13960.	3.2	20
15	The spatio-temporal evolution of black carbon in the North-West European â€˜air pollution hotspotâ€™. Atmospheric Environment, 2020, 243, 117874.	1.9	14
16	LabPipe: an extensible bioinformatics toolkit to manage experimental data and metadata. BMC Bioinformatics, 2020, 21, 556.	1.2	1
17	Two Aldehyde Clearance Systems Are Essential to Prevent Lethal Formaldehyde Accumulation in Mice and Humans. Molecular Cell, 2020, 80, 996-1012.e9.	4.5	92
18	AtChem (version 1), an open-source box model for the Master Chemical Mechanism. Geoscientific Model Development, 2020, 13, 169-183.	1.3	42

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19	Investigating the regional contributions to air pollution in Beijing: aÂdispersion modelling study using CO as aÂtracer. Atmospheric Chemistry and Physics, 2020, 20, 2825-2838.	1.9	14
20	What does success look like for air quality policy? A perspective. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190326.	1.6	5
21	Use of the ReCIVA device in breath sampling of patients with acute breathlessness: a feasibility study. ERJ Open Research, 2020, 6, 00119-2020.	1.1	12
22	Differences in the composition of organic aerosols between winter and summer in Beijing: a study by direct-infusion ultrahigh-resolution mass spectrometry. Atmospheric Chemistry and Physics, 2020, 20, 13303-13318.	1.9	15
23	Discrete-wavelength DOAS NO₂ slant column retrievals from OMI and TROPOMI. Atmospheric Measurement Techniques, 2020, 13, 1735-1756.	1.2	2
24	Assessment of breath volatile organic compounds in acute cardiorespiratory breathlessness: a protocol describing a prospective real-world observational study. BMJ Open, 2019, 9, e025486.	0.8	24
25	Breath analysis by two-dimensional gas chromatography with dual flame ionisation and mass spectrometric detection â€“ Method optimisation and integration within a large-scale clinical study. Journal of Chromatography A, 2019, 1594, 160-172.	1.8	46
26	Quantitation of salbutamol using micro-volume blood sampling â€“ applications to exacerbations of pediatric asthma. Journal of Asthma, 2018, 55, 1205-1213.	0.9	10
27	Experimental and modeling assessment of a novel automotive cabin PM_{2.5} removal system. Aerosol Science and Technology, 2018, 52, 1249-1265.	1.5	7
28	Seasonal and geographical variability of nitryl chloride and its precursors in Northern Europe. Atmospheric Science Letters, 2018, 19, e844.	0.8	19
29	Chemical composition and source identification of PM10 in five North Western European cities. Atmospheric Research, 2018, 214, 135-149.	1.8	28
30	Air quality affected by trees in real street canyons: The case of Marylebone neighbourhood in central London. Urban Forestry and Urban Greening, 2017, 22, 41-53.	2.3	162
31	Effects of halogens on European air-quality. Faraday Discussions, 2017, 200, 75-100.	1.6	43
32	Air pollution alters Staphylococcus aureus and Streptococcus pneumoniae biofilms, antibiotic tolerance and colonisation. Environmental Microbiology, 2017, 19, 1868-1880.	1.8	65
33	Sub-micron particle number size distribution characteristics at two urban locations in Leicester. Atmospheric Research, 2017, 194, 1-16.	1.8	32
34	Ranking current and prospective NO 2 pollution mitigation strategies: An environmental and economic modelling investigation in Oxford Street, London. Environmental Pollution, 2017, 225, 587-597.	3.7	30
35	Lung deposited surface area in Leicester urban background site/UK: Sources and contribution of new particle formation. Atmospheric Environment, 2017, 151, 94-107.	1.9	26
36	Quantifying primary and secondary source contributions to ultrafine particles in the UK urban background. Atmospheric Environment, 2017, 166, 62-78.	1.9	42

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37	Exploration of the utility of CF3+ as a reagent for chemical ionisation reaction mass spectrometry. International Journal of Mass Spectrometry, 2017, 421, 224-233.	0.7	2
38	Mammals divert endogenous genotoxic formaldehyde into one-carbon metabolism. Nature, 2017, 548, 549-554.	13.7	246
39	Estimating daily surface NO₂ concentrations from satellite data â€“ a case study over Hong Kong using land use regression models. Atmospheric Chemistry and Physics, 2017, 17, 8211-8230.	1.9	37
40	Timescales of mixing and of chemistry: general discussion. Faraday Discussions, 2016, 189, 253-276.	1.6	0
41	Evaluation of biomass burning across North West Europe and its impact on air quality. Atmospheric Environment, 2016, 141, 276-286.	1.9	44
42	Chemical complexity of the urban atmosphere and its consequences: general discussion. Faraday Discussions, 2016, 189, 137-167.	1.6	1
43	Metabolite profiling of the ripening ofÂMangoes Mangifera indica L. cv. â€˜Tommy Atkinsâ€™ by real-time measurement of volatile organic compounds. Metabolomics, 2016, 12, 57.	1.4	33
44	Ultrafine particles in four European urban environments: Results from a new continuous long-term monitoring network. Atmospheric Environment, 2016, 136, 68-81.	1.9	92
45	Analysis of longâ€term observations of NO_x and CO in megacities and application to constraining emissions inventories. Geophysical Research Letters, 2016, 43, 9920-9930.	1.5	69
46	Modelling the effectiveness of urban trees and grass on PM2.5 reduction via dispersion and deposition at a city scale. Atmospheric Environment, 2016, 147, 1-10.	1.9	189
47	Urban case studies: general discussion. Faraday Discussions, 2016, 189, 473-514.	1.6	1
48	CF₃⁺and CF₂H⁺: new reagents for n-alkane determination in chemical ionisation reaction mass spectrometry. Analyst, The, 2016, 141, 6564-6570.	1.7	7
49	What effect does VOC sampling time have on derived OH reactivity?. Atmospheric Chemistry and Physics, 2016, 16, 6303-6318.	1.9	8
50	Essential medicines containing ethanol elevate blood acetaldehyde concentrations in neonates. European Journal of Pediatrics, 2016, 175, 841-847.	1.3	14
51	Air quality and climate change: Designing new win-win policies for Europe. Environmental Science and Policy, 2016, 65, 48-57.	2.4	60
52	PM10 Source Apportionment in Five North Western European Citiesâ€”Outcome of the Joaquin Project. Issues in Environmental Science and Technology, 2016, , 264-292.	0.4	3
53	International Geosphereâ€“Biosphere Programme and Earth system science: Three decades of co-evolution. Anthropocene, 2015, 12, 3-16.	1.6	57
54	Tropospheric ozone and its precursors from the urban to the global scale from air quality to short-lived climate forcer. Atmospheric Chemistry and Physics, 2015, 15, 8889-8973.	1.9	942

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55	Mapping gas-phase organic reactivity and concomitant secondary organic aerosol formation: chemometric dimension reduction techniques for the deconvolution of complex atmospheric data sets. Atmospheric Chemistry and Physics, 2015, 15, 8077-8100.	1.9	10
56	High-resolution measurements from the airborne Atmospheric Nitrogen Dioxide Imager (ANDI). Atmospheric Measurement Techniques, 2015, 8, 4735-4754.	1.2	15
57	The international global atmospheric chemistry (IGAC) project: Facilitating atmospheric chemistry research for 25 years. Anthropocene, 2015, 12, 17-28.	1.6	12
58	Instrument intercomparison of glyoxal, methyl glyoxal and NO₂ under simulated atmospheric conditions. Atmospheric Measurement Techniques, 2015, 8, 1835-1862.	1.2	50
59	An improved retrieval of tropospheric NO₂ from space over polluted regions using an Earth radiance reference. Atmospheric Measurement Techniques, 2015, 8, 1519-1535.	1.2	13
60	Chemistry and the Linkages between Air Quality and Climate Change. Chemical Reviews, 2015, 115, 3856-3897.	23.0	315
61	A CFD study on the effectiveness of trees to disperse road traffic emissions at a city scale. Atmospheric Environment, 2015, 120, 1-14.	1.9	114
62	Meteorology, Air Quality, and Health in London: The ClearfLo Project. Bulletin of the American Meteorological Society, 2015, 96, 779-804.	1.7	105
63	Metabolite profiling of Clostridium difficile ribotypes using small molecular weight volatile organic compounds. Metabolomics, 2015, 11, 251-260.	1.4	23
64	A smog chamber comparison of a microfluidic derivatisation measurement of gas-phase glyoxal and methylglyoxal with other analytical techniques. Atmospheric Measurement Techniques, 2014, 7, 373-389.	1.2	23
65	Observations of the Release of Non-methane Hydrocarbons from Fractured Shale. Environmental Science & Technology, 2014, 48, 8891-8896.	4.6	19
66	Validation of an assay for the determination of levoglucosan and associated monosaccharide anhydrides for the quantification of wood smoke in atmospheric aerosol. Analytical and Bioanalytical Chemistry, 2014, 406, 5283-5292.	1.9	23
67	Investigate smog to inform policy. Nature, 2014, 509, 427-427.	13.7	10
68	New Directions: Fundamentals of atmospheric chemistry: Keeping a three-legged stool balanced. Atmospheric Environment, 2014, 84, 390-391.	1.9	32
69	High spatial resolution NO₂tropospheric slant columns retrieved from OMI spatial-zoom spectra using an earthshine reference. Proceedings of SPIE, 2014, , .	0.8	0
70	Emissions of biogenic volatile organic compounds and subsequent photochemical production of secondary organic aerosol in mesocosm studies of temperate and tropical plant species. Atmospheric Chemistry and Physics, 2014, 14, 12781-12801.	1.9	27
71	Global Change and Urban Atmospheres, Introduction. , 2014, , 417-423.		0
72	GC-MS analysis of ethanol and other volatile compounds in micro-volume blood samplesâ€"quantifying neonatal exposure. Analytical and Bioanalytical Chemistry, 2013, 405, 4139-4147.	1.9	33

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73	Air quality and climate â€“ synergies and trade-offs. Environmental Sciences: Processes and Impacts, 2013, 15, 1315.	1.7	24
74	Online and offline mass spectrometric study of the impact of oxidation and ageing on glyoxal chemistry and uptake onto ammonium sulfate aerosols. Faraday Discussions, 2013, 165, 447.	1.6	30
75	Real-time multi-marker measurement of organic compounds in human breath: towards fingerprinting breath. Journal of Breath Research, 2013, 7, 017112.	1.5	21
76	Radical Product Yields from the Ozonolysis of Short Chain Alkenes under Atmospheric Boundary Layer Conditions. Journal of Physical Chemistry A, 2013, 117, 12468-12483.	1.1	39
77	Water uptake is independent of the inferred composition of secondary aerosols derived from multiple biogenic VOCs. Atmospheric Chemistry and Physics, 2013, 13, 11769-11789.	1.9	50
78	HOx and ROx Radicals in Atmospheric Chemistry. NATO Science for Peace and Security Series C: Environmental Security, 2013, , 77-92.	0.1	2
79	Production of the Atmospheric Oxidant Radicals OH and HO2 from the Ozonolysis of Alkenes. NATO Science for Peace and Security Series C: Environmental Security, 2013, , 151-162.	0.1	0
80	The Cabauw Intercomparison campaign for Nitrogen Dioxide measuring Instruments (CINDI): design, execution, and early results. Atmospheric Measurement Techniques, 2012, 5, 457-485.	1.2	83
81	Have primary emission reduction measures reduced ozone across Europe? An analysis of European rural background ozone trends 1996â€“2005. Atmospheric Chemistry and Physics, 2012, 12, 437-454.	1.9	128
82	Development and chamber evaluation of the MCM v3.2 degradation scheme for Î²-caryophyllene. Atmospheric Chemistry and Physics, 2012, 12, 5275-5308.	1.9	110
83	The effect of photochemical ageing and initial precursor concentration on the composition and hygroscopic properties of Î²-caryophyllene secondary organic aerosol. Atmospheric Chemistry and Physics, 2012, 12, 6417-6436.	1.9	76
84	Atmospheric Composition Change. , 2012, , 309-365.		2
85	Increased Sensitivity in Proton Transfer Reaction Mass Spectrometry by Incorporation of a Radio Frequency Ion Funnel. Analytical Chemistry, 2012, 84, 5387-5391.	3.2	42
86	Earth observation: a revolutionary leap into the future. Astronomy and Geophysics, 2012, 53, 3.16-3.18.	0.1	1
87	Review: Untangling the influence of air-mass history in interpreting observed atmospheric composition. Atmospheric Research, 2012, 104-105, 1-39.	1.8	281
88	Regional Air Quality. , 2012, , 347-372.		0
89	Regional Air Quality regional air quality. , 2012, , 8879-8902.		0
90	Total radical yields from tropospheric ethene ozonolysis. Physical Chemistry Chemical Physics, 2011, 13, 11002.	1.3	90

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91	Impacts of HO_xregeneration and recycling in the oxidation of isoprene: Consequences for the composition of past, present and future atmospheres. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	78
92	How important is biogenic isoprene in an urban environment? A study in London and Paris. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	41
93	Ozone production in remote oceanic and industrial areas derived from ship based measurements of peroxy radicals during TexAQS 2006. Atmospheric Chemistry and Physics, 2011, 11, 2471-2485.	1.9	13
94	Quantifying the magnitude of a missing hydroxyl radical source in a tropical rainforest. Atmospheric Chemistry and Physics, 2011, 11, 7223-7233.	1.9	195
95	Corrigendum to "Oxidation photochemistry in the Southern Atlantic boundary layer: unexpected deviations of photochemical steady state" published in Atmos. Chem. Phys., 11, 8497â€“8513, 2011. Atmospheric Chemistry and Physics, 2011, 11, 8825-8826.	1.9	0
96	Investigating the use of secondary organic aerosol as seed particles in simulation chamber experiments. Atmospheric Chemistry and Physics, 2011, 11, 5917-5929.	1.9	44
97	Oxidation photochemistry in the Southern Atlantic boundary layer: unexpected deviations of photochemical steady state. Atmospheric Chemistry and Physics, 2011, 11, 8497-8513.	1.9	68
98	Isoprene oxidation mechanisms: measurements and modelling of OH and HO₂ over a South-East Asian tropical rainforest during the OP3 field campaign. Atmospheric Chemistry and Physics, 2011, 11, 6749-6771.	1.9	88
99	Modelled and measured concentrations of peroxy radicals and nitrate radical in the U.S. Gulf Coast region during TexAQS 2006. Journal of Atmospheric Chemistry, 2011, 68, 331-362.	1.4	11
100	The atmospheric chemistry of trace gases and particulate matter emitted by different land uses in Borneo. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3177-3195.	1.8	36
101	Applications of Satellite Observations of Tropospheric Composition. Physics of Earth and Space Environments, 2011, , 365-449.	0.5	10
102	Peroxy radical partitioning during the AMMA radical intercomparison exercise. Atmospheric Chemistry and Physics, 2010, 10, 10621-10638.	1.9	24
103	Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools. Atmospheric Chemistry and Physics, 2010, 10, 169-199.	1.9	130
104	Simulating atmospheric composition over a South-East Asian tropical rainforest: performance of a chemistry box model. Atmospheric Chemistry and Physics, 2010, 10, 279-298.	1.9	132
105	Distribution of gaseous and particulate organic composition during dark Î±-pinene ozonolysis. Atmospheric Chemistry and Physics, 2010, 10, 2893-2917.	1.9	122
106	Iodine-mediated coastal particle formation: an overview of the Reactive Halogens in the Marine Boundary Layer (RHaMBLe) Roscoff coastal study. Atmospheric Chemistry and Physics, 2010, 10, 2975-2999.	1.9	125
107	Measurements of iodine monoxide at a semi polluted coastal location. Atmospheric Chemistry and Physics, 2010, 10, 3645-3663.	1.9	19
108	Corrigendum to "Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools" published in Atmos. Chem. Phys., 10, 169â€“199, 2010. Atmospheric Chemistry and Physics, 2010, 10, 563-563.	1.9	5

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109	HO_x observations over West Africa during AMMA: impact of isoprene and NO_x. Atmospheric Chemistry and Physics, 2010, 10, 9415-9429.	1.9	59
110	Seasonal characteristics of tropical marine boundary layer air measured at the Cape Verde Atmospheric Observatory. Journal of Atmospheric Chemistry, 2010, 67, 87-140.	1.4	97
111	Gas phase precursors to anthropogenic secondary organic aerosol: Using the Master Chemical Mechanism to probe detailed observations of 1,3,5-trimethylbenzene photo-oxidation. Atmospheric Environment, 2010, 44, 5423-5433.	1.9	48
112	Alkyl nitrate photochemistry during the tropospheric organic chemistry experiment. Atmospheric Environment, 2010, 44, 773-785.	1.9	26
113	Global comparison of VOC and CO observations in urban areas. Atmospheric Environment, 2010, 44, 5053-5064.	1.9	175
114	A new technique for the selective measurement of atmospheric peroxy radical concentrations of HO₂ and RO₂ using a denuding method. Atmospheric Measurement Techniques, 2010, 3, 1547-1554.	1.2	20
115	Investigating Regional Scale Processes Using Remotely Sensed Atmospheric CO2 Column Concentrations from SCIAMACHY. Advances in Global Change Research, 2010, , 173-192.	1.6	0
116	Assessment of the performance of a compact concentric spectrometer system for Atmospheric Differential Optical Absorption Spectroscopy. Atmospheric Measurement Techniques, 2009, 2, 789-800.	1.2	10
117	Nitrogen management is essential to prevent tropical oil palm plantations from causing ground-level ozone pollution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18447-18451.	3.3	161
118	Atmospheric composition change: Ecosystemsâ€“Atmosphere interactions. Atmospheric Environment, 2009, 43, 5193-5267.	1.9	609
119	Atmospheric composition change: Climateâ€“Chemistry interactions. Atmospheric Environment, 2009, 43, 5138-5192.	1.9	243
120	Measuring atmospheric composition change. Atmospheric Environment, 2009, 43, 5351-5414.	1.9	160
121	Atmospheric composition change â€“ global and regional air quality. Atmospheric Environment, 2009, 43, 5268-5350.	1.9	714
122	Proton-Transfer Reaction Mass Spectrometry. Chemical Reviews, 2009, 109, 861-896.	23.0	612
123	Peroxy radicals in the summer free troposphere: seasonality and potential for heterogeneous loss. Atmospheric Chemistry and Physics, 2009, 9, 1989-2006.	1.9	13
124	Gas phase precursors to anthropogenic secondary organic aerosol: detailed observations of 1,3,5-trimethylbenzene photooxidation. Atmospheric Chemistry and Physics, 2009, 9, 635-665.	1.9	88
125	Aldehyde and ketone discrimination and quantification using two-stage proton transfer reaction mass spectrometry. International Journal of Mass Spectrometry, 2008, 278, 15-19.	0.7	19
126	Comparison of OMI and groundâ€based in situ and MAXâ€DOAS measurements of tropospheric nitrogen dioxide in an urban area. Journal of Geophysical Research, 2008, 113, .	3.3	76

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127	Intercomparison of oxygenated volatile organic compound measurements at the SAPHIR atmosphere simulation chamber. Journal of Geophysical Research, 2008, 113, .	3.3	78
128	Influence of clouds on the spectral actinic flux density in the lower troposphere (INSPECTRO): overview of the field campaigns. Atmospheric Chemistry and Physics, 2008, 8, 1789-1812.	1.9	24
129	Photolysis frequency measurement techniques: results of a comparison within the ACCENT project. Atmospheric Chemistry and Physics, 2008, 8, 5373-5391.	1.9	99
130	Interpreting the variability of space-borne CO₂ column-averaged volume mixing ratios over North America using a chemistry transport model. Atmospheric Chemistry and Physics, 2008, 8, 5855-5868.	1.9	23
131	Atmospheric Monitoring With Chemical Ionisation Reaction Time-of-Flight Mass Spectrometry (CIR-TOF-MS) and Future Developments: Hadamard Transform Mass Spectrometry. , 2008, , 64-76.		1
132	Free radical modelling studies during the UK TORCH Campaign in Summer 2003. Atmospheric Chemistry and Physics, 2007, 7, 167-181.	1.9	151
133	Spatially resolved measurements of nitrogen dioxide in an urban environment using concurrent multi-axis differential optical absorption spectroscopy. Atmospheric Chemistry and Physics, 2007, 7, 4751-4762.	1.9	19
134	Night-time radical chemistry during the NAMBLEX campaign. Atmospheric Chemistry and Physics, 2007, 7, 587-598.	1.9	28
135	Technical Note: Performance of Chemical Ionization Reaction Time-of-Flight Mass Spectrometry (CIR-TOF-MS) for the measurement of atmospherically significant oxygenated volatile organic compounds. Atmospheric Chemistry and Physics, 2007, 7, 609-620.	1.9	56
136	Assessing the near surface sensitivity of SCIAMACHY atmospheric CO₂ retrieved using (FSI) WFM-DOAS. Atmospheric Chemistry and Physics, 2007, 7, 3597-3619.	1.9	50
137	Detection of Chemical Weapon Agents and Simulants Using Chemical Ionization Reaction Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2007, 79, 8359-8366.	3.2	39
138	Forest fire plumes over the North Atlantic: p-TOMCAT model simulations with aircraft and satellite measurements from the ITOP/ICARTT campaign. Journal of Geophysical Research, 2007, 112, .	3.3	55
139	Chemical composition observed over the mid-Atlantic and the detection of pollution signatures far from source regions. Journal of Geophysical Research, 2007, 112, .	3.3	70
140	Fast fingerprinting of arson accelerants by proton transfer reaction time-of-flight mass spectrometry. International Journal of Mass Spectrometry, 2007, 263, 222-232.	0.7	20
141	Chapter 2. Chemistry of the Atmosphere. , 2007, , 8-79.		4
142	An improved dual channel PERCA instrument for atmospheric measurements of peroxy radicals. Journal of Environmental Monitoring, 2006, 8, 530.	2.1	51
143	MAX-DOAS O4measurements: A new technique to derive information on atmospheric aerosols: 2. Modeling studies. Journal of Geophysical Research, 2006, 111, .	3.3	244
144	Comparison of SCIAMACHY and AIRS CO2measurements over North America during the summer and autumn of 2003. Geophysical Research Letters, 2006, 33, .	1.5	48

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145	Establishing Lagrangian connections between observations within air masses crossing the Atlantic during the International Consortium for Atmospheric Research on Transport and Transformation experiment. Journal of Geophysical Research, 2006, 111, .	3.3	60
146	Concurrent multiaxis differential optical absorption spectroscopy system for the measurement of tropospheric nitrogen dioxide. Applied Optics, 2006, 45, 7504.	2.1	28
147	Peroxy radical chemistry and the control of ozone photochemistry at Mace Head, Ireland during the summer of 2002. Atmospheric Chemistry and Physics, 2006, 6, 2193-2214.	1.9	70
148	Comparisons between SCIAMACHY atmospheric CO₂ retrieved using (FSI) WFM-DOAS to ground based FTIR data and the TM3 chemistry transport model. Atmospheric Chemistry and Physics, 2006, 6, 4483-4498.	1.9	43
149	OH and HO₂ chemistry during NAMBLEX: roles of oxygenates, halogen oxides and heterogeneous uptake. Atmospheric Chemistry and Physics, 2006, 6, 1135-1153.	1.9	82
150	The North Atlantic Marine Boundary Layer Experiment(NAMBLEX). Overview of the campaign held at Mace Head, Ireland, in summer 2002. Atmospheric Chemistry and Physics, 2006, 6, 2241-2272.	1.9	65
151	Measuring atmospheric CO₂ from space using Full Spectral Initiation (FSI) WFM-DOAS. Atmospheric Chemistry and Physics, 2006, 6, 3517-3534.	1.9	64
152	Seasonal dependence of peroxy radical concentrations at a Northern hemisphere marine boundary layer site during summer and winter: evidence for radical activity in winter. Atmospheric Chemistry and Physics, 2006, 6, 5415-5433.	1.9	30
153	Chemical ionization reaction time-of-flight mass spectrometry: Multi-reagent analysis for determination of trace gas composition. International Journal of Mass Spectrometry, 2006, 254, 85-93.	0.7	81
154	Dichroic Filters For Astronomical X-Ray Polarimetry. Experimental Astronomy, 2006, 21, 1-12.	1.6	7
155	Ozone photochemistry and elevated isoprene during the UK heatwave of august 2003. Atmospheric Environment, 2006, 40, 7598-7613.	1.9	122
156	PTAT direct current converter for bias circuit applications. Electronics Letters, 2006, 42, 530.	0.5	2
157	Improved mid-infrared cross-sections for peroxyacetyl nitrate (PAN) vapour. Atmospheric Chemistry and Physics, 2005, 5, 47-56.	1.9	40
158	Gas-Phase Radical Chemistry in the Troposphere. ChemInform, 2005, 36, no.	0.1	0
159	Differentiation of isobaric compounds using chemical ionization reaction mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 3356-3362.	0.7	61
160	Gas-phase radical chemistry in the troposphere. Chemical Society Reviews, 2005, 34, 376.	18.7	458
161	PROTON TRANSFER REACTION TIME-OF-FLIGHT MASS SPECTROMETRY: A GOOD PROSPECT FOR DIAGNOSTIC BREATH ANALYSIS?. , 2005, , .		1
162	The geostationary tropospheric pollution explorer (GeoTROPE) mission: objectives, requirements and mission concept. Advances in Space Research, 2004, 34, 682-687.	1.2	28

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163	The geostationary scanning imaging absorption spectrometer (GeoSCIA) as part of the geostationary tropospheric pollution explorer (GeoTROPE) mission: requirements, concepts and capabilities. Advances in Space Research, 2004, 34, 694-699.	1.2	17
164	Mission, aims and scope: the audience for JEM now and in the future. Journal of Environmental Monitoring, 2004, 6, 67N.	2.1	0
165	Demonstration of Proton-Transfer Reaction Time-of-Flight Mass Spectrometry for Real-Time Analysis of Trace Volatile Organic Compounds. Analytical Chemistry, 2004, 76, 3841-3845.	3.2	183
166	Attenuation of spectral actinic flux and photolysis frequencies at the surface through homogenous cloud fields. Journal of Geophysical Research, 2004, 109, .	3.3	23
167	Photolysis frequency of O3to O(1D): Measurements and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). Journal of Geophysical Research, 2004, 109, .	3.3	33
168	Derivation and validation of photolysis rates of O3, NO2, and CH2O from a GUV-541 radiometer. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	4
169	Direct evidence for coastal iodine particles from Laminaria macroalgae â€“ linkage to emissions of molecular iodine. Atmospheric Chemistry and Physics, 2004, 4, 701-713.	1.9	252
170	The Development of Multi-platform Methods for Derivation of Tropospheric Composition from Space. , 2004, , 327-336.		0
171	Synergistic use of different instrumentation and platforms for tropospheric measurements. , 2004, , 35-41.		0
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