Charles Nicholas Peter Hewitt

List of Publications by Year in Descending Order

238 papers	13,244 citations	55 h-index	110 g-index
271 ext. papers	14,656 ext. citations	7.2 avg, IF	6.08 L-index

#	Paper	IF	Citations
238	Spatially and temporally resolved measurements of NO_{<i>x</i>} fluxes by airborne eddy covariance over Greater London. *Atmospheric Chemistry and Physics*, **2021**, 21, 15283-15298	6.8	1
237	Observations of speciated isoprene nitrates in Beijing: implications for isoprene chemistry. *Atmospheric Chemistry and Physics*, **2021**, 21, 6315-6330	6.8	0
236	Avoiding high ozone pollution in Delhi, India. *Faraday Discussions*, **2021**, 226, 502-514	3.6	16
235	Sources of non-methane hydrocarbons in surface air in Delhi, India. *Faraday Discussions*, **2021**, 226, 409-431	3.6	11
234	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. *Faraday Discussions*, **2021**, 226, 382-408	3.6	3
233	Comprehensive organic emission profiles, secondary organic aerosol production potential, and OH reactivity of domestic fuel combustion in Delhi, India. *Environmental Science Atmospheres*, **2021**, 1, 104-117		6
232	Emissions of non-methane volatile organic compounds from combustion of domestic fuels in Delhi, India. *Atmospheric Chemistry and Physics*, **2021**, 21, 2383-2406	6.8	9
231	Low-NO atmospheric oxidation pathways in a polluted megacity. *Atmospheric Chemistry and Physics* , **2021**, 21, 1613-1625	6.8	6
230	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO_{<i>x</i>} in Beijing. *Atmospheric Chemistry and Physics*, **2021**, 21, 2125-2147	6.8	22
229	Emissions of intermediate-volatility and semi-volatile organic compounds from domestic fuels used in Delhi, India. *Atmospheric Chemistry and Physics*, **2021**, 21, 2407-2426	6.8	13
228	Seasonal analysis of submicron aerosol in Old Delhi using high-resolution aerosol mass spectrometry: chemical characterisation, source apportionment and new marker identification. *Atmospheric Chemistry and Physics*, **2021**, 21, 10133-10158	6.8	2
227	PM₁ composition and source apportionment at two sites in Delhi, India, across multiple seasons. *Atmospheric Chemistry and Physics*, **2021**, 21, 11655-11667	6.8	2
226	In situ ozone production is highly sensitive to volatile organic compounds in Delhi, India. *Atmospheric Chemistry and Physics*, **2021**, 21, 13609-13630	6.8	2
225	Emission estimates and inventories of non-methane volatile organic compounds from anthropogenic burning sources in India. *Atmospheric Environment: X*, **2021**, 11, 100115	2.8	4
224	Non-methane volatile organic compounds emitted from domestic fuels in Delhi: Emission factors and total city-wide emissions. *Atmospheric Environment: X*, **2021**, 11, 100127	2.8	0
223	Elevated levels of OH observed in haze events during wintertime in central Beijing **2020**,		2
222	Observations of speciated isoprene nitrates in Beijing: implications for isoprene chemistry **2020**,		3

221	Elevated levels of OH observed in haze events during wintertime in central Beijing. *Atmospheric Chemistry and Physics*, **2020**, 20, 14847-14871	6.8	29
220	Surface□tmosphere fluxes of volatile organic compounds in Beijing. *Atmospheric Chemistry and Physics*, **2020**, 20, 15101-15125	6.8	6
219	Measurements of traffic-dominated pollutant emissions in a Chinese megacity. *Atmospheric Chemistry and Physics*, **2020**, 20, 8737-8761	6.8	17
218	Using green infrastructure to improve urban air quality (GI4AQ). *Ambio*, **2020**, 49, 62-73	6.5	71
217	Reply to: Complexities between plants and the atmosphere. *Nature Geoscience*, **2019**, 12, 695-695	18.3	0
216	Introduction to the special issue □n-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing)□*Atmospheric Chemistry and Physics*, **2019**, 19, 7519-7546	6.8	73
215	Observations of highly oxidized molecules and particle nucleation in the atmosphere of Beijing. *Atmospheric Chemistry and Physics*, **2019**, 19, 14933-14947	6.8	17
214	Urban form strongly mediates the allometric scaling of airshed pollution concentrations. *Environmental Research Letters*, **2019**, 14, 124078	6.2	1
213	Hybrid life-cycle assessment for robust, best-practice carbon accounting. *Journal of Cleaner Production*, **2019**, 208, 35-43	10.3	11
212	Greenhouse gas emissions of food waste disposal options for UK retailers. *Food Policy*, **2018**, 77, 50-58	5	52
211	Enhanced global primary production by biogenic aerosol via diffuse radiation fertilization. *Nature Geoscience*, **2018**, 11, 640-644	18.3	59
210	Current global food production is sufficient to meet human nutritional needs in 2050 provided there is radical societal adaptation. *Elementa*, **2018**, 6,	3.6	79
209	Introduction to Special Issue □n-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) **2018**,		3
208	The effect of ozone fumigation on the biogenic volatile organic compounds (BVOCs) emitted from Brassica napus above- and below-ground. *PLoS ONE*, **2018**, 13, e0208825	3.7	13
207	VOC emission rates over London and South East England obtained by airborne eddy covariance. *Faraday Discussions*, **2017**, 200, 599-620	3.6	17
206	Forests and Their Canopies: Achievements and Horizons in Canopy Science. *Trends in Ecology and Evolution*, **2017**, 32, 438-451	10.9	93
205	Atmospheric chemistry and the biosphere: general discussion. *Faraday Discussions*, **2017**, 200, 195-228	3.6	1
204	Isoprene emission potentials from European oak forests derived from canopy flux measurements: an assessment of uncertainties and inter-algorithm variability. *Biogeosciences*, **2017**, 14, 5571-5594	4.6	9

203	Urban case studies: general discussion. *Faraday Discussions*, **2016**, 189, 473-514	3.6	1
202	Canopy-scale flux measurements and bottom-up emission estimates of volatile organic compounds from a mixed oak and hornbeam forest in northern Italy. *Atmospheric Chemistry and Physics*, **2016**, 16, 7149-7170	6.8	19
201	Atmospheric mixing ratios of methyl ethyl ketone (2-butanone) in tropical, boreal, temperate and marine environments. *Atmospheric Chemistry and Physics*, **2016**, 16, 10965-10984	6.8	24
200	Spatially resolved flux measurements of NOx from London suggest significantly higher emissions than predicted by inventories. *Faraday Discussions*, **2016**, 189, 455-72	3.6	33
199	Numerical modelling strategies for the urban atmosphere: general discussion. *Faraday Discussions*, **2016**, 189, 635-60	3.6	
198	Atmospheric benzenoid emissions from plants rival those from fossil fuels. *Scientific Reports*, **2015**, 5, 12064	4.9	79
197	Impact of Biofuel Poplar Cultivation on Ground-Level Ozone and Premature Human Mortality Depends on Cultivar Selection and Planting Location. *Environmental Science & Technology*, **2015**, 49, 8566-75	10.3	9
196	System to control indoor air quality in energy efficient buildings. *Urban Climate*, **2015**, 14, 475-485	6.8	5
195	Dimethyl sulfide in the Amazon rain forest. *Global Biogeochemical Cycles*, **2015**, 29, 19-32	5.9	49
194	Airborne determination of the temporo-spatial distribution of benzene, toluene, nitrogen oxides and ozone in the boundary layer across Greater London, UK. *Atmospheric Chemistry and Physics*, **2015**, 15, 5083-5097	6.8	20
193	Seasonal and diurnal trends in concentrations and fluxes of volatile organic compounds in central London. *Atmospheric Chemistry and Physics*, **2015**, 15, 7777-7796	6.8	28
192	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	6.8	8
191	Resource acquisition, distribution and end-use efficiencies and the growth of industrial society. *Earth System Dynamics*, **2015**, 6, 689-702	4.8	16
190	Isoprene emission protects photosynthesis but reduces plant productivity during drought in transgenic tobacco (Nicotiana tabacum) plants. *New Phytologist*, **2014**, 201, 205-216	9.8	44
189	Concentrations of selected volatile organic compounds at kerbside and background sites in central London. *Atmospheric Environment*, **2014**, 95, 456-467	5.3	21
188	Influence of future climate and cropland expansion on isoprene emissions and tropospheric ozone. *Atmospheric Chemistry and Physics*, **2014**, 14, 1011-1024	6.8	28
187	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	6.8	19
186	Spatially-varying surface roughness and ground-level air quality in an operational dispersion model. *Environmental Pollution*, **2014**, 185, 44-51	9.3	29

185	Effects of the spatial resolution of climate data on estimates of biogenic isoprene emissions. *Atmospheric Environment*, **2013**, 70, 1-6	5.3	21
184	Investigating the impacts of anthropogenic and biogenic VOC emissions and elevated temperatures during the 2003 ozone episode in the UK. *Atmospheric Environment*, **2013**, 74, 393-401	5.3	14
183	Mitigating the greenhouse gas emissions embodied in food through realistic consumer choices. *Energy Policy*, **2013**, 63, 1065-1074	7.2	109
182	Impacts of biofuel cultivation on mortality and crop yields. *Nature Climate Change*, **2013**, 3, 492-496	21.4	63
181	Photosynthesis-dependent isoprene emission from leaf to planet in a global carbon-chemistry-climate model. *Atmospheric Chemistry and Physics*, **2013**, 13, 10243-10269	6.8	64
180	Scaling Emissions from Agroforestry Plantations and Urban Habitats. *Tree Physiology*, **2013**, 415-450		5
179	The relative greenhouse gas impacts of realistic dietary choices. *Energy Policy*, **2012**, 43, 184-190	7.2	220
178	Benchmarking sustainability in cities: The role of indicators and future scenarios. *Global Environmental Change*, **2012**, 22, 245-254	10.1	87
177	Scenario Archetypes: Converging Rather than Diverging Themes. *Sustainability*, **2012**, 4, 740-772	3.6	120
176	Effectiveness of green infrastructure for improvement of air quality in urban street canyons. *Environmental Science & Technology*, **2012**, 46, 7692-9	10.3	355
175	Climate–society feedbacks and the avoidance of dangerous climate change. *Nature Climate Change*, **2012**, 2, 668-671	21.4	38
174	Reply to 'Circadian control of global isoprene emissions'. *Nature Geoscience*, **2012**, 5, 435-436	18.3	2
173	A Lagrangian model of air-mass photochemistry and mixing using a trajectory ensemble: the Cambridge Tropospheric Trajectory model of Chemistry And Transport (CiTTyCAT) version 4.2. *Geoscientific Model Development*, **2012**, 5, 193-221	6.3	20
172	A futures-based analysis for urban air quality remediation. *Proceedings of the Institution of Civil Engineers: Engineering Sustainability*, **2012**, 165, 21-36	0.9	9
171	Plant pest and disease diagnosis using electronic nose and support vector machine approach. *Journal of Plant Diseases and Protection*, **2012**, 119, 200-207	1.5	18
170	Impacts of near-future cultivation of biofuel feedstocks on atmospheric composition and local air quality. *Atmospheric Chemistry and Physics*, **2012**, 12, 919-939	6.8	50
169	Atmospheric chemistry and physics in the atmosphere of a developed megacity (London): an overview of the REPARTEE experiment and its conclusions. *Atmospheric Chemistry and Physics*, **2012** , 12, 3065-3114	6.8	102
168	Effects of Climate-induced Changes in Isoprene Emissions after the eruption of Mount Pinatubo. *Procedia Environmental Sciences*, **2011**, 6, 199-205		

167	Evidence for a significant proportion of Secondary Organic Aerosol from isoprene above a maritime tropical forest. *Atmospheric Chemistry and Physics*, **2011**, 11, 1039-1050	6.8	136
166	Simulated effects of changes in direct and diffuse radiation on canopy scale isoprene emissions from vegetation following volcanic eruptions. *Atmospheric Chemistry and Physics*, **2011**, 11, 11723-11731	6.8	15
165	The influence of small-scale variations in isoprene concentrations on atmospheric chemistry over a tropical rainforest. *Atmospheric Chemistry and Physics*, **2011**, 11, 4121-4134	6.8	33
164	Direct ecosystem fluxes of volatile organic compounds from oil palms in South-East Asia. *Atmospheric Chemistry and Physics*, **2011**, 11, 8995-9017	6.8	73
163	Global terrestrial isoprene emission models: sensitivity to variability in climate and vegetation. *Atmospheric Chemistry and Physics*, **2011**, 11, 8037-8052	6.8	143
162	Isoprene synthesis in plants: lessons from a transgenic tobacco model. *Plant, Cell and Environment*, **2011**, 34, 1043-1053	8.4	33
161	Isoprene emissions from plants are mediated by atmospheric CO2 concentrations. *Global Change Biology*, **2011**, 17, 1595-1610	11.4	66
160	The impact of local surface changes in Borneo on atmospheric composition at wider spatial scales: coastal processes, land-use change and air quality. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 3210-24	5.8	25
159	Quantification of VOC emission rates from the biosphere. *TrAC - Trends in Analytical Chemistry*, **2011**, 30, 937-944	14.6	12
158	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, 3177-95	5.8	32
157	Effects of land use on surface-atmosphere exchanges of trace gases and energy in Borneo: comparing fluxes over oil palm plantations and a rainforest. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 3196-209	5.8	55
156	Ground-level ozone influenced by circadian control of isoprene emissions. *Nature Geoscience*, **2011**, 4, 671-674	18.3	49
155	A Lagrangian model of air-mass photochemistry and mixing using a trajectory ensemble: the Cambridge Tropospheric Trajectory model of Chemistry And Transport (CiTTyCAT) version 4.2 **2011** ,		1
154	Sensitivity of isoprene emissions from the terrestrial biosphere to 20th century changes in atmospheric CO2 concentration, climate, and land use. *Global Biogeochemical Cycles*, **2010**, 24, n/a-n/a	5.9	70
153	Fluxes and concentrations of volatile organic compounds from a South-East Asian tropical rainforest. *Atmospheric Chemistry and Physics*, **2010**, 10, 8391-8412	6.8	102
152	NO_x and O₃ above a tropical rainforest: an analysis with a global and box model. *Atmospheric Chemistry and Physics*, **2010**, 10, 10607-10620	6.8	26
151	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	6.8	120
150	Simulating atmospheric composition over a South-East Asian tropical rainforest: performance of a chemistry box model. *Atmospheric Chemistry and Physics*, **2010**, 10, 279-298	6.8	118

149	Large estragole fluxes from oil palms in Borneo. *Atmospheric Chemistry and Physics*, **2010**, 10, 4343-4358	6.8	52
148	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, 169–199, 2010. *Atmospheric Chemistry and Physics* , **2010**, 10, 563-563	6.8	5
147	Effects of climate-induced changes in isoprene emissions after the eruption of Mount Pinatubo. *Atmospheric Chemistry and Physics*, **2010**, 10, 7117-7125	6.8	32
146	Sensitivity of isoprene emissions estimated using MEGAN to the time resolution of input climate data. *Atmospheric Chemistry and Physics*, **2010**, 10, 1193-1201	6.8	48
145	Fluxes and concentrations of volatile organic compounds above central London, UK. *Atmospheric Chemistry and Physics*, **2010**, 10, 627-645	6.8	80
144	Modelling chemistry in the nocturnal boundary layer above tropical rainforest and a generalised effective nocturnal ozone deposition velocity for sub-ppbv NOx conditions. *Journal of Atmospheric Chemistry*, **2010**, 65, 89-110	3.2	6
143	Genetic structure and regulation of isoprene synthase in Poplar (Populus spp.). *Plant Molecular Biology*, **2010**, 73, 547-58	4.6	38
142	Effects of fosmidomycin on plant photosynthesis as measured by gas exchange and chlorophyll fluorescence. *Photosynthesis Research*, **2010**, 104, 49-59	3.7	25
141	Development and application of a Lagrangian model to determine the origins of ozone episodes in the UK. *Atmospheric Environment*, **2010**, 44, 631-641	5.3	11
140	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, 18447-51	11.5	140
139	Gas exchange and photosynthetic performance of the tropical tree Acacia nigrescens when grown in different CO(2) concentrations. *Planta*, **2009**, 229, 837-46	4.7	28
138	Defining hybrid poplar (Populus deltoides x Populus trichocarpa) tolerance to ozone: identifying key parameters. *Plant, Cell and Environment*, **2009**, 32, 31-45	8.4	38
137	Isoprene synthesis protects transgenic tobacco plants from oxidative stress. *Plant, Cell and Environment*, **2009**, 32, 520-31	8.4	180
136	Biogenic volatile organic compounds in the Earth system. *New Phytologist*, **2009**, 183, 27-51	9.8	347
135	Uptake of aldehydes and ketones at typical indoor concentrations by houseplants. *Environmental Science & Technology*, **2009**, 43, 8338-43	10.3	42
134	Mixing ratios and eddy covariance flux measurements of volatile organic compounds from an urban canopy (Manchester, UK). *Atmospheric Chemistry and Physics*, **2009**, 9, 1971-1987	6.8	75
133	Concentrations and fluxes of biogenic volatile organic compounds above a Mediterranean macchia ecosystem in western Italy. *Biogeosciences*, **2009**, 6, 1655-1670	4.6	70
132	Isoprene emissions influence herbivore feeding decisions. *Plant, Cell and Environment*, **2008**, 31, 1410-5	8.4	101

131	Discrimination of plant volatile signatures by an electronic nose: aA potential technology for plant pest and disease monitoring. *Environmental Science & Technology*, **2008**, 42, 8433-9	10.3	103
130	The role of isoprene in insect herbivory. *Plant Signaling and Behavior*, **2008**, 3, 1141-2	2.5	11
129	The effect of trade between China and the UK on national and global carbon dioxide emissions. *Energy Policy*, **2008**, 36, 1907-1914	7.2	167
128	Assessing, mapping and quantifying the distribution of foliar biomass in Great Britain. *Biomass and Bioenergy*, **2008**, 32, 838-856	5.3	6
127	Volatile organic compounds emissions in Norway spruce (Picea abies) in response to temperature changes. *Physiologia Plantarum*, **2007**, 130, 58-66	4.6	64
126	A proton transfer reaction mass spectrometry based system for determining plant uptake of volatile organic compounds. *Atmospheric Environment*, **2007**, 41, 1736-1746	5.3	31
125	Quantifying the effect of urban tree planting on concentrations and depositions of PM10 in two UK conurbations. *Atmospheric Environment*, **2007**, 41, 8455-8467	5.3	265
124	Critical issues in trace gas biogeochemistry and global change. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2007**, 365, 1629-42	3	20
123	Application of multiple wind-roses to improve the modelling of ground-level ozone in the UK. *Atmospheric Environment*, **2006**, 40, 7480-7493	5.3	4
122	Urban land classification and its uncertainties using principal component and cluster analyses: A case study for the UK West Midlands. *Landscape and Urban Planning*, **2006**, 78, 311-321	7.7	48
121	Circadian control of isoprene emissions from oil palm (Elaeis guineensis). *Plant Journal*, **2006**, 47, 960-8	6.9	59
120	Development and application of an urban tree air quality score for photochemical pollution episodes using the Birmingham, United Kingdom, area as a case study. *Environmental Science & Technology*, **2005**, 39, 6730-8	10.3	75
119	The effects of glacial atmospheric CO2 concentrations and climate on isoprene emissions by vascular plants. *Global Change Biology*, **2005**, 11, 60-69	11.4	104
118	Online analysis of volatile organic compound emissions from Sitka spruce (Picea sitchensis). *Tree Physiology*, **2004**, 24, 721-8	4.2	50
117	Impact of rising CO2 on emissions of volatile organic compounds: isoprene emission from Phragmites australis growing at elevated CO2 in a natural carbon dioxide spring *Plant, Cell and Environment*, **2004**, 27, 393-401	8.4	76
116	Interactive effects of elevated CO2 and soil fertility on isoprene emissions from Quercus robur. *Global Change Biology*, **2004**, 10, 1835-1843	11.4	41
115	Effect of water vapour pressure on monoterpene measurements using proton transfer reaction-mass spectrometry (PTR-MS). *International Journal of Mass Spectrometry*, **2004**, 239, 161-169	1.9	80
114	Global Organic Emissions from Vegetation. *Advances in Global Change Research*, **2004**, 115-170	1.2	49

113	BIOGENIC VOLATILE ORGANIC COMPOUND (VOC) EMISSION ESTIMATES FROM AN URBAN TREE CANOPY **2003**, 13, 927-938		39
112	Measurement of monoterpenes and related compounds by proton transfer reaction-mass spectrometry (PTR-MS). *International Journal of Mass Spectrometry*, **2003**, 223-224, 561-578	1.9	155
111	The application of proton transfer reaction-mass spectrometry (PTR-MS) to the monitoring and analysis of volatile organic compounds in the atmosphere. *Journal of Environmental Monitoring*, **2003**, 5, 1-7		145
110	Eddy flux and leaf-level measurements of biogenic VOC emissions from mopane woodland of Botswana. *Journal of Geophysical Research*, **2003**, 108, n/a-n/a		46
109	A highly spatially and temporally resolved inventory for biogenic isoprene and monoterpene emissions: Model description and application to Great Britain. *Journal of Geophysical Research*, **2003** , 108,		49
108	Emission rates of C8□15 VOCs from seaweed and sand in the inter-tidal zone at Mace Head, Ireland. *Atmospheric Environment*, **2002**, 36, 5311-5321	5.3	10
107	Influence of Transport over a Mountain Ridge on the Chemical Composition of Marine Aerosols during the ACE-2 Hillcloud Experiment. *Journal of Atmospheric Chemistry*, **2002**, 41, 83-107	3.2	5
106	Performance characteristics and applications of a proton transfer reaction-mass spectrometer for measuring volatile organic compounds in ambient air. *Environmental Science & Technology*, **2002**, 36, 1554-60	10.3	90
105	A dedicated study of New Particle Formation and Fate in the Coastal Environment (PARFORCE): Overview of objectives and achievements. *Journal of Geophysical Research*, **2002**, 107, PAR 1-1		142
104	Temporal patterns, sources, and sinks of C8-C16 hydrocarbons in the atmosphere of Mace Head, Ireland. *Journal of Geophysical Research*, **2002**, 107, PAR 4-1		6
103	Determination of biogenic volatile organic compounds (C8□16) in the coastal atmosphere at Mace Head, Ireland. *Analytica Chimica Acta*, **2001**, 428, 61-72	6.6	27
102	The atmospheric chemistry of sulphur and nitrogen in power station plumes. *Atmospheric Environment*, **2001**, 35, 1155-1170	5.3	101
101	ACE-2 HILLCLOUD. An overview of the ACE-2 ground-based cloud experiment. *Tellus, Series B: Chemical and Physical Meteorology*, **2000**, 52, 750-778	3.3	41
100	Observations of new particle production in the atmosphere of a moderately polluted site in eastern England. *Journal of Geophysical Research*, **2000**, 105, 17819-17832		31
99	Quasi-Lagrangian investigation into dimethyl sulfide oxidation in maritime air using a combination of measurements and model. *Journal of Geophysical Research*, **2000**, 105, 26379-26392		10
98	Development of a calibration system to evaluate VOC losses in a branch enclosure. *Journal of Environmental Monitoring*, **2000**, 2, 133-8		2
97	Extrapolating branch enclosure measurements to estimates of regional scale biogenic VOC fluxes in the northwestern Mediterranean basin. *Journal of Geophysical Research*, **2000**, 105, 11573-11583		26
96	Atmosphere Hydrogen Peroxide and Organic Hydroperoxides: A Review. *Critical Reviews in Environmental Science and Technology*, **1999**, 29, 175-228	11.1	78

95	Inventorying emissions from nature in Europe. *Journal of Geophysical Research*, **1999**, 104, 8113-8152		375
94	An analysis of rapid increases in condensation nuclei concentrations at a remote coastal site in western Ireland. *Journal of Geophysical Research*, **1999**, 104, 13771-13780		37
93	The Sampling and Analysis of Volatile Organic Compounds in the Atmosphere **1999**, 119-157		4
92	Field studies of isoprene emissions from vegetation in the northwest Mediterranean region. *Journal of Geophysical Research*, **1998**, 103, 25499-25511		32
91	The impact of ozone, isoprene and propene on antioxidant levels in two leaf classes of velvet bean (Mucuna pruriens L.). *Journal of Experimental Botany*, **1998**, 49, 115-123	7	6
90	The impact of ozone, isoprene and propene on antioxidant levels in two leaf classes of velvet bean (Mucuna pruriens L.). *Journal of Experimental Botany*, **1998**, 49, 115-123	7	6
89	Field measurements of dimethyl sulphide and its oxidation products in the atmosphere. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1997**, 352, 183-189	5.8	9
88	Isoprene and monoterpene emissions from a eucalyptus plantation in Portugal. *Journal of Geophysical Research*, **1997**, 102, 15875-15887		53
87	Biogenic emissions of volatile organic compounds from gorse (Ulex europaeus): Diurnal emission fluxes at Kelling Heath, England. *Journal of Geophysical Research*, **1997**, 102, 18903-18915		21
86	Biogenic sulphur emissions and inferred non-sea-salt-sulphate cloud condensation nuclei in and around Antarctica. *Journal of Geophysical Research*, **1997**, 102, 12839-12854		94
85	Emissions of VOCs from Stressed and Unstressed Vegetation **1997**, 366-371		7
84	Dimethyl sulfide, methane sulfonic acid and physicochemical aerosol properties in Atlantic air from the United Kingdom to Halley Bay. *Journal of Geophysical Research*, **1996**, 101, 22855-22867		57
83	Laboratory and field studies of biogenic volatile organic compound emissions from Sitka spruce (Picea sitchensis Bong.) in the United Kingdom. *Journal of Geophysical Research*, **1996**, 101, 22799-22806		32
82	Measurement of carbon dioxide and hydrocarbon fluxes from a Sitka Spruce forest using micrometeorological techniques. *Journal of Geophysical Research*, **1996**, 101, 22807-22815		25
81	Gas chromatographic determination of volatile alkenes with on-column bromination and electron-capture detection. *Journal of Chromatography A*, **1995**, 690, 187-195	4.5	7
80	Detection methods for the analysis of biogenic non-methane hydrocarbons in air. *Journal of Chromatography A*, **1995**, 710, 39-50	4.5	13
79	Exposure to isoprene promotes flowering in plants. *Journal of Experimental Botany*, **1995**, 46, 1629-1631	7	39
78	PAHs in Air Adjacent to Two Inland Water Bodies. *Environmental Science & Technology*, **1995**, 29, 2405-13	10.3	35

77	A global model of natural volatile organic compound emissions. *Journal of Geophysical Research*, **1995**, 100, 8873		3022
76	Effects of reactive hydrocarbons and hydrogen peroxide on antioxidant activity in cherry leaves. *Environmental Pollution*, **1995**, 88, 19-26	9.3	6
75	Biogenic emissions in Europe: 1. Estimates and uncertainties. *Journal of Geophysical Research*, **1995**, 100, 22875		273
74	Study of the responses of a gas chromatography reduction gas detector system to gaseous hydrocarbons under different conditions. *Analytica Chimica Acta*, **1995**, 300, 193-200	6.6	4
73	The effects of reactive hydrocarbons on plants. *Proceedings of the Royal Society of Edinburgh Section B Biological Sciences*, **1994**, 102, 307-311		
72	Build-up of artifacts on adsorbents during storage and its effect on passive sampling and gas chromatography-flame ionization detection of low concentrations of volatile organic compounds in air. *Journal of Chromatography A*, **1994**, 688, 368-374	4.5	41
71	Determination of reactive hydrocarbons by capillary gas chromatography with the reduction gas detector. *Journal of Chromatography A*, **1994**, 679, 115-121	4.5	5
70	Kinetics of dissolution of lead and zinc from rural atmospheric aerosols in freshwater and synthetic solutions. *Water Research*, **1994**, 28, 1703-1709	12.5	7
69	Elucidation of the tropospheric reactions of biogenic sulfur species from a field measurement campaign in NW Scotland. *Chemosphere*, **1994**, 28, 543-557	8.4	9
68	Artefacts in sorption experiments with trace metals. *Science of the Total Environment*, **1994**, 152, 227-238	10.2	27
67	A model of environmental behaviour of contaminated dust and its application to determining dust fluxes and residence times. *Atmospheric Environment*, **1994**, 28, 679-687	5.3	13
66	Study of the Degradation by Ozone of Adsorbents and of Hydrocarbons Adsorbed during the Passive Sampling of Air. *Environmental Science & Technology*, **1994**, 28, 757-62	10.3	44
65	An exposure system for the calibration of passive samplers to volatile organic compounds at low (ppbv) concentrations. *Journal of the Air and Waste Management Association*, **1994**, 44, 1299-302		1
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