

John Neil Cape

List of Publications by Year in descending order

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196
papers

10,915
citations

36691

53
h-index

43601

95
g-index

205
all docs

205
docs citations

205
times ranked

11402
citing authors

#	ARTICLE	IF	CITATIONS
1	Pan-European rural monitoring network shows dominance of NH ₃ gas and NH ₄ NO ₃ aerosol in inorganic atmospheric pollution load. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 875-914.	1.9	21
2	P and K additions enhance canopy N retention and accelerate the associated leaching. <i>Biogeochemistry</i> , 2019, 142, 413-423.	1.7	6
3	Meteorological measurements at Auchencorth Moss from 1995 to 2016. <i>Geoscience Data Journal</i> , 2019, 6, 16-29.	1.8	4
4	Long-term interactive effects of N addition with P and K availability on N status of Sphagnum. <i>Environmental Pollution</i> , 2018, 237, 468-472.	3.7	7
5	The import and export of organic nitrogen species at a Scottish ombrotrophic peatland. <i>Biogeosciences</i> , 2016, 13, 2353-2365.	1.3	5
6	Regional and hemispheric influences on measured spring peroxyacetyl nitrate (PAN) mixing ratios at the Auchencorth UK EMEP supersite. <i>Atmospheric Research</i> , 2016, 174-175, 135-141.	1.8	9
7	Sphagnum can filter N deposition, but effects on the plant and pore water depend on the N form. <i>Science of the Total Environment</i> , 2016, 559, 113-120.	3.9	21
8	Consistent ozone-induced decreases in pasture forage quality across several grassland types and consequences for UK lamb production. <i>Science of the Total Environment</i> , 2016, 543, 336-346.	3.9	20
9	Throughfall and bulk deposition of dissolved organic nitrogen to holm oak forests in the Iberian Peninsula: Flux estimation and identification of potential sources. <i>Environmental Pollution</i> , 2016, 210, 104-112.	3.7	33
10	The impact of speciated VOCs on regional ozone increment derived from measurements at the UK EMEP supersites between 1999 and 2012. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8361-8380.	1.9	12
11	Effects of global change during the 21st century on the nitrogen cycle. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13849-13893.	1.9	168
12	Water soluble aerosols and gases at a UK background site – Part 1: Controls of PM _{2.5} and PM ₁₀ aerosol composition. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8131-8145.	1.9	38
13	ACTRIS non-methane hydrocarbon intercomparison experiment in Europe to support WMO GAW and EMEP observation networks. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2715-2736.	1.2	28
14	Missing data in spatiotemporal datasets: the UK rainfall chemistry network. <i>Geoscience Data Journal</i> , 2015, 2, 25-30.	1.8	2
15	Influences on and patterns in total gaseous mercury (TGM) at Harwell, England. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 586-595.	1.7	3
16	Long-term trends in rain and cloud chemistry in a region of complex topography. <i>Atmospheric Research</i> , 2015, 153, 335-347.	1.8	9
17	Volatile organic compound speciation above and within a Douglas fir forest. <i>Atmospheric Environment</i> , 2014, 94, 86-95.	1.9	9
18	Inertia in an ombrotrophic bog ecosystem in response to 9 years' realistic perturbation by wet deposition of nitrogen, separated by form. <i>Global Change Biology</i> , 2014, 20, 566-580.	4.2	29

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19	Patterns and source analysis for atmospheric mercury at Auchencorth Moss, Scotland. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1112-1123.	1.7	10
20	The global nitrogen cycle in the twenty-first century. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130164.	1.8	1,114
21	The cycling of organic nitrogen through the atmosphere. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130115.	1.8	119
22	Volatile organic compound emissions from <i>Miscanthus</i> and short rotation coppice willow bioenergy crops. <i>Atmospheric Environment</i> , 2012, 60, 327-335.	1.9	31
23	Governing processes for reactive nitrogen compounds in the European atmosphere. <i>Biogeosciences</i> , 2012, 9, 4921-4954.	1.3	77
24	Organic nitrogen in precipitation across Europe. <i>Biogeosciences</i> , 2012, 9, 4401-4409.	1.3	30
25	Effects of ozone on species composition in an upland grassland. <i>Oecologia</i> , 2012, 168, 1137-1146.	0.9	21
26	Development of PTR-MS selectivity for structural isomers: Monoterpenes as a case study. <i>International Journal of Mass Spectrometry</i> , 2012, 310, 10-19.	0.7	37
27	The atmospheric lifetime of black carbon. <i>Atmospheric Environment</i> , 2012, 59, 256-263.	1.9	117
28	An analysis of total gaseous mercury (TGM) concentrations across the UK from a rural sampling network. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1653.	2.1	11
29	Hydrochloric Acid: An Overlooked Driver of Environmental Change. <i>Environmental Science & Technology</i> , 2011, 45, 1887-1894.	4.6	89
30	Organic nitrogen in the atmosphere – Where does it come from? A review of sources and methods. <i>Atmospheric Research</i> , 2011, 102, 30-48.	1.8	210
31	Surface/atmosphere exchange and chemical interactions of reactive nitrogen compounds above a manured grassland. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1488-1503.	1.9	26
32	Nitrogen processes in the atmosphere. , 2011, , 177-208.		35
33	Direct ecosystem fluxes of volatile organic compounds from oil palms in South-East Asia. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8995-9017.	1.9	82
34	Dry deposition of ammonia gas drives species change faster than wet deposition of ammonium ions: evidence from a long-term field manipulation. <i>Global Change Biology</i> , 2011, 17, 3589-3607.	4.2	106
35	Key unknowns in estimating atmospheric emissions from UK land management. <i>Atmospheric Environment</i> , 2011, 45, 1067-1074.	1.9	16
36	Effects of land use on surface-atmosphere exchanges of trace gases and energy in Borneo: comparing fluxes over oil palm plantations and a rainforest. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3196-3209.	1.8	78

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37	Large estragole fluxes from oil palms in Borneo. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4343-4358.	1.9	58
38	Agricultural ammonia emissions inventory and spatial distribution in the North China Plain. <i>Environmental Pollution</i> , 2010, 158, 490-501.	3.7	184
39	Experimental field estimation of organic nitrogen formation in tree canopies. <i>Environmental Pollution</i> , 2010, 158, 2926-2933.	3.7	29
40	Gaseous and particulate water-soluble organic and inorganic nitrogen in rural air in southern Scotland. <i>Atmospheric Environment</i> , 2010, 44, 1506-1514.	1.9	34
41	The production and degradation of trichloroacetic acid in soil: Results from in situ soil column experiments. <i>Chemosphere</i> , 2010, 79, 401-407.	4.2	12
42	Concentrations and fluxes of biogenic volatile organic compounds above a Mediterranean macchia ecosystem in western Italy. <i>Biogeosciences</i> , 2009, 6, 1655-1670.	1.3	79
43	The Use of Passive Diffusion Tubes for Measuring Concentrations of Nitrogen Dioxide in Air. <i>Critical Reviews in Analytical Chemistry</i> , 2009, 39, 289-310.	1.8	35
44	Reactive uptake of ozone at simulated leaf surfaces: Implications for $\tilde{\nu}$ -non-stomatal $\tilde{\nu}$ ozone flux. <i>Atmospheric Environment</i> , 2009, 43, 1116-1123.	1.9	53
45	Atmospheric nitrogen deposition in south-east Scotland: Quantification of the organic nitrogen fraction in wet, dry and bulk deposition. <i>Atmospheric Environment</i> , 2009, 43, 4087-4094.	1.9	52
46	An evaluation of measurement methods for organic, elemental and black carbon in ambient air monitoring sites. <i>Atmospheric Environment</i> , 2009, 43, 5085-5091.	1.9	39
47	Atmospheric composition change: Ecosystems $\tilde{\nu}$ Atmosphere interactions. <i>Atmospheric Environment</i> , 2009, 43, 5193-5267.	1.9	609
48	Biosphere $\tilde{\nu}$ atmosphere exchange of reactive nitrogen and greenhouse gases at the NitroEurope core flux measurement sites: Measurement strategy and first data sets. <i>Agriculture, Ecosystems and Environment</i> , 2009, 133, 139-149.	2.5	104
49	Evidence for changing the critical level for ammonia. <i>Environmental Pollution</i> , 2009, 157, 1033-1037.	3.7	137
50	Responses of herbaceous plants to urban air pollution: Effects on growth, phenology and leaf surface characteristics. <i>Environmental Pollution</i> , 2009, 157, 1279-1286.	3.7	163
51	Measurements of ozone deposition to a potato canopy. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 655-666.	1.9	50
52	Measurement of dry deposition to bulk precipitation collectors using a novel flushing sampler. <i>Journal of Environmental Monitoring</i> , 2009, 11, 353-358.	2.1	16
53	Chapter 3 Plants as Accumulators of Atmospheric Emissions. <i>Developments in Environmental Science</i> , 2009, 9, 61-98.	0.5	2
54	Critical Levels for Ammonia. , 2009, , 375-382.		7

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55	Evidence for organic N deposition and its anthropogenic sources in China. <i>Atmospheric Environment</i> , 2008, 42, 1035-1041.	1.9	160
56	Estimate of annual NH ₃ dry deposition to a fumigated ombrotrophic bog using concentration-dependent deposition velocities. <i>Atmospheric Environment</i> , 2008, 42, 6637-6646.	1.9	20
57	Surface ozone concentrations and ecosystem health: Past trends and a guide to future projections. <i>Science of the Total Environment</i> , 2008, 400, 257-269.	3.9	84
58	Short-term flux chamber experiment to quantify the deposition of gaseous ¹⁵ N-NH ₃ to <i>Calluna vulgaris</i> . <i>Agricultural and Forest Meteorology</i> , 2008, 148, 893-901.	1.9	8
59	The influence of nitrogen in stemflow and precipitation on epiphytic bryophytes, <i>Isothecium myosuroides</i> Brid., <i>Dicranum scoparium</i> Hewd. and <i>Thuidium tamariscinum</i> (Hewd.) Schimp of Atlantic oakwoods. <i>Environmental Pollution</i> , 2008, 155, 237-246.	3.7	15
60	Interactions of forests with secondary air pollutants: Some challenges for future research. <i>Environmental Pollution</i> , 2008, 155, 391-397.	3.7	32
61	Challenges in Understanding the Risks to Natural and Semi-Natural Vegetation from Ozone Exposure. <i>Italian Journal of Agronomy</i> , 2008, 3, 53.	0.4	1
62	Elemental and organic carbon in PM ₁₀ : a one year measurement campaign within the European Monitoring and Evaluation Programme EMEP. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5711-5725.	1.9	177
63	Dry and wet deposition of nutrients from the tropical Atlantic atmosphere: Links to primary productivity and nitrogen fixation. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1704-1720.	0.6	168
64	Harmful effects of atmospheric nitrous acid on the physiological status of Scots pine trees. <i>Environmental Pollution</i> , 2007, 147, 532-534.	3.7	10
65	Secondary Air Pollutants and Forests – New Perspectives. <i>Scientific World Journal, The</i> , 2007, 7, 9-14.	0.8	5
66	Concentration-dependent NH ₃ deposition processes for mixed moorland semi-natural vegetation. <i>Atmospheric Environment</i> , 2007, 41, 2049-2060.	1.9	41
67	Aqueous-phase nitration of phenol by N ₂ O ₅ and ClNO ₂ . <i>Atmospheric Environment</i> , 2007, 41, 3515-3520.	1.9	48
68	Concentration-dependent NH ₃ deposition processes for moorland plant species with and without stomata. <i>Atmospheric Environment</i> , 2007, 41, 8980-8994.	1.9	19
69	Long Term Trends in Sulphur and Nitrogen Deposition in Europe and the Cause of Non-linearities. <i>Water, Air and Soil Pollution</i> , 2007, 7, 41-47.	0.8	86
70	Progress in Understanding the Sources, Deposition and Above-ground Fate of Trichloroacetic Acid (11) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.75	14
71	Impacts of climate change on the fate and behaviour of pesticides in surface and groundwater – a UK perspective. <i>Science of the Total Environment</i> , 2006, 369, 163-177.	3.9	278
72	Evaluation of the pathways of tropospheric nitrophenol formation from benzene and phenol using a multiphase model. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1679-1695.	1.9	41

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73	A study of the epiphytic communities of Atlantic oak woods along an atmospheric nitrogen deposition gradient. <i>Journal of Ecology</i> , 2005, 93, 482-492.	1.9	72
74	Peroxyacetyl nitrate in eastern Scotland. <i>Science of the Total Environment</i> , 2005, 337, 213-222.	3.9	27
75	Nonlinearities in Source Receptor Relationships for Sulfur and Nitrogen Compounds. <i>Ambio</i> , 2005, 34, 41-46.	2.8	25
76	Addressing analytical uncertainties in the determination of trichloroacetic acid in soil. <i>Journal of Environmental Monitoring</i> , 2005, 7, 137.	2.1	7
77	Practical considerations for addressing uncertainties in monitoring bulk deposition. <i>Environmental Pollution</i> , 2005, 134, 535-548.	3.7	68
78	Vegetation composition of roadside verges in Scotland: the effects of nitrogen deposition, disturbance and management. <i>Environmental Pollution</i> , 2005, 136, 109-118.	3.7	78
79	Nonlinearities in source receptor relationships for sulfur and nitrogen compounds. <i>Ambio</i> , 2005, 34, 41-6.	2.8	3
80	Growth and tissue nitrogen of epiphytic Atlantic bryophytes: effects of increased and decreased atmospheric N deposition. <i>Functional Ecology</i> , 2004, 18, 322-329.	1.7	56
81	Organic Nitrogen in Precipitation Across the United Kingdom. <i>Water, Air and Soil Pollution</i> , 2004, 4, 25-35.	0.8	35
82	An Automated Wet Deposition System to Compare the Effects of Reduced and Oxidised N on Ombrotrophic Bog Species: Practical Considerations. <i>Water, Air and Soil Pollution</i> , 2004, 4, 197-205.	0.8	46
83	Quantifying Dry NH ₃ Deposition to an Ombrotrophic Bog from an Automated NH ₃ Field Release System. <i>Water, Air and Soil Pollution</i> , 2004, 4, 207-218.	0.8	42
84	Fluxes and Reservoirs of Trichloroacetic Acid at a Forest and Moorland Catchment. <i>Environmental Science & Technology</i> , 2004, 38, 1639-1647.	4.6	13
85	Trichloroacetic acid cycling in Sitka spruce saplings and effects on sapling health following long term exposure. <i>Environmental Pollution</i> , 2004, 130, 165-176.	3.7	8
86	Fluxes of trichloroacetic acid through a conifer forest canopy. <i>Environmental Pollution</i> , 2004, 132, 73-84.	3.7	8
87	Concentrations of ammonia and nitrogen dioxide at roadside verges, and their contribution to nitrogen deposition. <i>Environmental Pollution</i> , 2004, 132, 469-478.	3.7	191
88	Throughfall chemistry and canopy interactions in a Sitka spruce plantation sprayed with six different simulated polluted mist treatments. <i>Environmental Pollution</i> , 2004, 127, 57-64.	3.7	55
89	New data for water losses from mature Sitka spruce plantations in temperate upland catchments / Nouvelles données pour les pertes d'eau de plantations adultes de sapins de Sitka en bassins versants tempérés d'altitude. <i>Hydrological Sciences Journal</i> , 2004, 49, .	1.2	9
90	Organic nitrogen deposition on land and coastal environments: a review of methods and data. <i>Atmospheric Environment</i> , 2003, 37, 2173-2191.	1.9	356

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91	The routes and kinetics of trichloroacetic acid uptake and elimination in Sitka spruce (<i>Picea</i>) Tj ETQq1 1 0.784314 4447-4452.	1.9	12
92	Atmospheric Concentrations and Deposition of Trichloroacetic Acid in Scotland: Results from a 2-Year Sampling Campaign. <i>Environmental Science & Technology</i> , 2003, 37, 2627-2633.	4.6	16
93	Long-Term Exposure of Sitka Spruce Seedlings to Trichloroacetic Acid. <i>Environmental Science & Technology</i> , 2003, 37, 2953-2957.	4.6	11
94	Effects of airborne volatile organic compounds on plants. <i>Environmental Pollution</i> , 2003, 122, 145-157.	3.7	92
95	Effects of VOCs on herbaceous plants in an open-top chamber experiment. <i>Environmental Pollution</i> , 2003, 124, 341-353.	3.7	12
96	Atmospheric nitrogen compounds issues related to agricultural systems. <i>Environment International</i> , 2003, 29, 181-187.	4.8	29
97	Ecological effects of sulfur dioxide, fluorides, and minor air pollutants: recent trends and research needs. <i>Environment International</i> , 2003, 29, 201-211.	4.8	91
98	Exchange of organic solvents between the atmosphere and grass the use of open top chambers. <i>Science of the Total Environment</i> , 2002, 285, 53-67.	3.9	25
99	Experimentally determined Henry's Law coefficients of phenol, 2-methylphenol and 2-nitrophenol in the temperature range 281-302K. <i>Atmospheric Environment</i> , 2002, 36, 1843-1851.	1.9	29
100	The contribution of dry deposited ammonia and sulphur dioxide to the composition of precipitation from continuously open gauges. <i>Atmospheric Environment</i> , 2002, 36, 5983-5992.	1.9	21
101	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2001, 130, 953-958.	1.1	6
102	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2001, 130, 63-74.	1.1	132
103	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2001, 130, 619-624.	1.1	13
104	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2001, 130, 1043-1048.	1.1	16
105	The influence of simplified peroxy radical chemistry on the interpretation of NO ₂ -NO ₃ surface exchange. <i>Atmospheric Environment</i> , 2001, 35, 1687-1696.	1.9	7
106	ACE-2 HILLCLOUD. An overview of the ACE-2 ground-based cloud experiment. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000, 52, 750-778.	0.8	44
107	Influence of airmass back trajectory upon nitrogen compound composition. <i>Atmospheric Environment</i> , 2000, 34, 1519-1527.	1.9	7
108	Systematic Biases in Measurement of Urban Nitrogen Dioxide using Passive Diffusion Samplers. <i>Environmental Monitoring and Assessment</i> , 2000, 62, 39-54.	1.3	25

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109	A new method for the determination of trichloroacetic acid in spruce foliage and other environmental media. <i>Journal of Environmental Monitoring</i> , 2000, 2, 447-450.	2.1	6
110	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1999, 116, 443-448.	1.1	6
111	The Global Exposure of Forests to Air Pollutants. <i>Water, Air, and Soil Pollution</i> , 1999, 116, 5-32.	1.1	243
112	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1999, 33, 111-128.	1.4	18
113	Overestimation of urban nitrogen dioxide by passive diffusion tubes: a comparative exposure and model study. <i>Atmospheric Environment</i> , 1999, 33, 513-524.	1.9	53
114	Physical and chemical influences on PAN concentrations at a rural site. <i>Atmospheric Environment</i> , 1999, 33, 2929-2940.	1.9	17
115	Budget of NO _y species measured at a coastal site. <i>Atmospheric Environment</i> , 1999, 33, 4255-4272.	1.9	29
116	Modelling photochemical oxidant formation, transport, deposition and exposure of terrestrial ecosystems. <i>Environmental Pollution</i> , 1999, 100, 43-55.	3.7	66
117	Field observations of SIV in cloud. <i>Atmospheric Research</i> , 1999, 50, 345-358.	1.8	8
118	Spring time sources and sinks of Peroxyacetyl Nitrate in the UK and its contribution to acidification and nitrification of cloud water. <i>Atmospheric Research</i> , 1999, 50, 359-371.	1.8	11
119	The Great Dun Fell Experiment 1995: an overview. <i>Atmospheric Research</i> , 1999, 50, 151-184.	1.8	31
120	Chlorinated hydrocarbons in Scots pine needles in northern Britain. <i>Chemosphere</i> , 1999, 38, 795-806.	4.2	6
121	Measurement of the NO + O ₃ Reaction Rate at Atmospheric Pressure Using Realistic Mixing Ratios. <i>Journal of Atmospheric Chemistry</i> , 1998, 29, 299-314.	1.4	14
122	Enhancement of the dry deposition of sulphur dioxide to a forest in the presence of ammonia. <i>Atmospheric Environment</i> , 1998, 32, 519-524.	1.9	18
123	Investigation and evaluation of the NO _x /O ₃ photochemical steady state. <i>Atmospheric Environment</i> , 1998, 32, 3353-3365.	1.9	72
124	The response of Norway spruce seedlings to simulated acid mist. <i>New Phytologist</i> , 1998, 138, 709-723.	3.5	7
125	The atmospheric budget of oxidized nitrogen and its role in ozone formation and deposition. <i>New Phytologist</i> , 1998, 139, 11-23.	3.5	104
126	Uptake and fate of gaseous pollutants in leaves. <i>New Phytologist</i> , 1998, 139, 221-223.	3.5	3

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127	Partitioning of chlorinated solvents between pine needles and air. <i>Chemosphere</i> , 1998, 36, 1799-1810.	4.2	12
128	Use of needle epicuticular wax chemical composition in the early diagnosis of Norway Spruce (<i>Picea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.2	14
129	Deposition of atmospheric pollutants to the LOIS area. <i>Science of the Total Environment</i> , 1997, 194-195, 71-85.	3.9	21
130	Stem growth reduction in mature Sitka spruce trees exposed to acid mist. <i>Environmental Pollution</i> , 1997, 96, 185-193.	3.7	6
131	Open-top chamber and field exposure of Sitka spruce to simulated acid mist: a comparison of results. <i>Environmental Pollution</i> , 1997, 98, 185-194.	3.7	3
132	Field application of acid mist to a single clone of sitka spruce: effects on foliar nutrition and frost hardiness. <i>Environmental Pollution</i> , 1997, 98, 175-184.	3.7	6
133	Meteorology of the great dun fell cloud experiment 1993. <i>Atmospheric Environment</i> , 1997, 31, 2407-2420.	1.9	35
134	Source identification during the Great Dun Fell cloud experiment 1993. <i>Atmospheric Environment</i> , 1997, 31, 2441-2451.	1.9	15
135	The reduced nitrogen budget of an orographic cloud. <i>Atmospheric Environment</i> , 1997, 31, 2599-2614.	1.9	24
136	The budget of oxidised nitrogen species in orographic clouds. <i>Atmospheric Environment</i> , 1997, 31, 2625-2636.	1.9	18
137	Occurrence and formation of nitrated phenols in and out of cloud. <i>Atmospheric Environment</i> , 1997, 31, 2637-2648.	1.9	123
138	Depletion of carbon monoxide from the nocturnal boundary layer. <i>Atmospheric Environment</i> , 1997, 31, 1147-1155.	1.9	17
139	The great dun fell cloud experiment 1993: An overview. <i>Atmospheric Environment</i> , 1997, 31, 2393-2405.	1.9	71
140	Observations and modelling of the processing of aerosol by a hill cap cloud. <i>Atmospheric Environment</i> , 1997, 31, 2527-2543.	1.9	54
141	A numerical evaluation of chemical interferences in the measurement of ambient nitrogen dioxide by passive diffusion samplers. <i>Atmospheric Environment</i> , 1997, 31, 1911-1923.	1.9	42
142	Nitrous acid and nitrite in the atmosphere. <i>Chemical Society Reviews</i> , 1996, 25, 361.	18.7	274
143	Processing of oxidised nitrogen compounds by passage through winter-time orographic cloud. <i>Journal of Atmospheric Chemistry</i> , 1996, 24, 211.	1.4	10
144	The interpretation of leaf-drying curves. <i>Plant, Cell and Environment</i> , 1996, 19, 356-361.	2.8	26

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145	Throughfall deposition of ammonium and sulphate during ammonia fumigation of a scots pine forest. <i>Water, Air, and Soil Pollution</i> , 1995, 85, 2247-2252.	1.1	9
146	The use of individual tree statistics to quantify effects in an 'acid mist' experiment with mature trees. <i>Water, Air, and Soil Pollution</i> , 1995, 85, 1367-1372.	1.1	2
147	Frost hardiness of Norway spruce treated with acid mist. Evaluation of the electrolyte leakage rate technique. <i>Environmental and Experimental Botany</i> , 1995, 35, 139-149.	2.0	18
148	Direct analysis of polycyclic aromatic hydrocarbons in cloud-water aerosol filtrates using laser desorption mass spectrometry. <i>Environmental Pollution</i> , 1995, 89, 123-129.	3.7	14
149	Effects of acid mist on needles from mature Sitka spruce grafts. Part II. Influence of developmental stage, age and needle morphology on visible damage. <i>Environmental Pollution</i> , 1995, 90, 363-370.	3.7	5
150	Particulate and dissolved organic carbon in cloud water in southern Scotland. <i>Environmental Pollution</i> , 1995, 88, 299-306.	3.7	19
151	Preservation of Throughfall Samples by Chloroform and Thymol. <i>International Journal of Environmental Analytical Chemistry</i> , 1995, 61, 103-116.	1.8	24
152	Leaf surface properties of Norway spruce needles exposed to sulphur dioxide and ozone in an open-air fumigation system at Liphook. <i>Plant, Cell and Environment</i> , 1995, 18, 285-28.	2.8	16
153	Effects of acid mist on mature grafts of Sitka spruce. Part I. Frost hardiness and foliar nutrient concentrations. <i>Environmental Pollution</i> , 1994, 85, 229-238.	3.7	23
154	Observation on great dun fell of the pathways by which oxides of nitrogen are converted to nitrate. <i>Atmospheric Environment</i> , 1994, 28, 397-408.	1.9	16
155	Influence of acidic mist on frost hardiness and nutrient concentrations in red spruce seedlings. <i>New Phytologist</i> , 1993, 124, 595-605.	3.5	37
156	Environmental influences on the development of spruce needle cuticles. <i>New Phytologist</i> , 1993, 125, 787-799.	3.5	46
157	Influence of acidic mist on frost hardiness and nutrient concentrations in red spruce seedlings. <i>New Phytologist</i> , 1993, 124, 607-615.	3.5	24
158	The use of ³⁵ S to study sulphur cycling in forests. <i>Environmental Geochemistry and Health</i> , 1993, 15, 113-118.	1.8	6
159	The reaction of nitrogen dioxide at low concentrations with natural waters. <i>Atmospheric Environment Part A General Topics</i> , 1993, 27, 2613-2621.	1.3	15
160	Ammonia concentrations in houses and public buildings. <i>Atmospheric Environment Part A General Topics</i> , 1993, 27, 2235-2237.	1.3	14
161	Deposition of Acidifying Compounds. <i>Studies in Environmental Science</i> , 1992, , 553-572.	0.0	2
162	Methodological development for combined analysis of S and ³⁵ S in a Scots pine forest study. <i>Communications in Soil Science and Plant Analysis</i> , 1992, 23, 1575-1589.	0.6	2

#	ARTICLE	IF	CITATIONS
163	Nitrite in orographic cloud as an indicator of nitrous acid in rural air. Atmospheric Environment Part A General Topics, 1992, 26, 2301-2307.	1.3	25
164	Interspecies comparisons of throughfall and stemflow at three sites in northern Britain. Forest Ecology and Management, 1991, 46, 165-177.	1.4	71
165	Sulphate and ammonium in mist impair the frost hardening of red spruce seedlings. New Phytologist, 1991, 118, 119-126.	3.5	72
166	The influence of acid mists on growth, dry matter partitioning, nutrient concentrations and mycorrhizal fruiting bodies in red spruce seedlings. New Phytologist, 1990, 115, 459-464.	3.5	28
167	The nutritional status of <i>Picea abies</i> (L.) Karst. across Europe, and implications for 'forest decline?'. Trees - Structure and Function, 1990, 4, 211.	0.9	77
168	A Comparison of Element Fluxes in Throughfall beneath Larch and Sitka Spruce at Two Contrasting Sites in the United Kingdom. Forestry, 1989, 62, 29-39.	1.2	19
169	Quantification of frost damage in plant tissues by rates of electrolyte leakage. New Phytologist, 1989, 113, 307-311.	3.5	166
170	Effects of acid mist on the frost hardiness of red spruce seedlings. New Phytologist, 1989, 113, 321-335.	3.5	130
171	Visible foliar injury of red spruce seedlings subjected to simulated acid mist. New Phytologist, 1989, 113, 313-320.	3.5	46
172	Regional variation in surface properties of Norway spruce and scots pine needles in relation to forest decline. Environmental Pollution, 1989, 58, 325-342.	3.7	64
173	Use of carotenoid ratios, ethylene emissions and buffer capacities for the early diagnosis of forest decline. New Phytologist, 1988, 109, 85-95.	3.5	51
174	The influence of altitude on rainfall composition at great dun fell. Atmospheric Environment, 1988, 22, 1355-1362.	1.1	173
175	The influence of altitude on wet deposition comparison between field measurements at great dun fell and the predictions of a seeder-feeder model. Atmospheric Environment, 1988, 22, 1363-1371.	1.1	52
176	Sources and fate of atmospheric HCl in the U.K. and Western Europe. Atmospheric Environment, 1988, 22, 7-15.	1.1	86
177	Effects of air filtration at small SO ₂ and NO ₂ concentrations on the yield of barley. Environmental Pollution, 1988, 53, 135-149.	3.7	26
178	Microcomputers in analysis. Analytical Proceedings, 1986, 23, 153.	0.4	0
179	Rainfall acidity in northern Britain ? Exploring the data. Water, Air, and Soil Pollution, 1986, 30, 239-244.	1.1	6
180	Effects of air pollution on the chemistry of surface waxes of scots pine. Water, Air, and Soil Pollution, 1986, 31, 393-399.	1.1	35

#	ARTICLE	IF	CITATIONS
181	Acid inputs from the atmosphere in the United Kingdom. <i>Soil Use and Management</i> , 1985, 1, 3-5.	2.6	11
182	The contamination of rain samples by dry deposition on rain collectors. <i>Atmospheric Environment</i> , 1984, 18, 183-189.	1.1	51
183	On the episodic nature of wet deposited sulphate and acidity. <i>Atmospheric Environment</i> , 1984, 18, 1859-1866.	1.1	46
184	Chemical composition of rainfall and wet deposition over northern Britain. <i>Atmospheric Environment</i> , 1984, 18, 1921-1932.	1.1	31
185	The importance of solution equilibria in studying the effects of sulphite on plants. <i>Environmental Pollution Series A, Ecological and Biological</i> , 1984, 34, 259-274.	0.8	12
186	CONTACT ANGLES OF WATER DROPLETS ON NEEDLES OF SCOTS PINE (<i>PINUS SYLVESTEIS</i>) GROWING IN POLLUTED ATMOSPHERES. <i>New Phytologist</i> , 1983, 93, 293-299.	3.5	134
187	Molecular dynamics study of a dense fluid at a hard wall. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1982, 78, 317.	1.1	16
188	Rainfall acidity in northern Britain. <i>Nature</i> , 1982, 297, 383-385.	13.7	81
189	An analysis of crystallization by homogeneous nucleation in a 4000-atom soft-sphere model. <i>Journal of Chemical Physics</i> , 1981, 75, 2366-2373.	1.2	99
190	Molecular-dynamics simulation of a soft-disc system. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1980, 76, 1646.	1.1	2
191	Soft-sphere model for the crystal-liquid interface: A molecular dynamics calculation of the surface stress. <i>Journal of Chemical Physics</i> , 1980, 73, 2420-2429.	1.2	58
192	Glass transition in a soft-sphere model. <i>Journal of Chemical Physics</i> , 1980, 72, 976-985.	1.2	84
193	Melting in two dimensions: Determination of phase transition boundaries. <i>Journal of Chemical Physics</i> , 1980, 73, 913-922.	1.2	79
194	Molecular dynamics calculation of phase coexistence properties: The soft-sphere melting transition. <i>Chemical Physics Letters</i> , 1978, 59, 271-274.	1.2	40
195	Free radical addition to olefins. Part 14. Addition to trifluoromethyl radicals to fluoroethylenes. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1975, 71, 592.	1.0	41
196	Thermodynamic considerations in co-ordination. Part XIX. In vitro studies of complexing equilibria involved in oral iron(II) therapy. <i>Journal of the Chemical Society Dalton Transactions</i> , 1974, , 1849.	1.1	20