

# John Neil Cape

## List of Publications by Year in descending order

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196  
papers

10,915  
citations

31976

53  
h-index

38395

95  
g-index

205  
all docs

205  
docs citations

205  
times ranked

10160  
citing authors

#	ARTICLE	IF	CITATIONS
1	The global nitrogen cycle in the twenty-first century. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130164.	4.0	1,114
2	Atmospheric composition change: Ecosystemsâ€™ Atmosphere interactions. <i>Atmospheric Environment</i> , 2009, 43, 5193-5267.	4.1	609
3	Organic nitrogen deposition on land and coastal environments: a review of methods and data. <i>Atmospheric Environment</i> , 2003, 37, 2173-2191.	4.1	356
4	Impacts of climate change on the fate and behaviour of pesticides in surface and groundwaterâ€™a UK perspective. <i>Science of the Total Environment</i> , 2006, 369, 163-177.	8.0	278
5	Nitrous acid and nitrite in the atmosphere. <i>Chemical Society Reviews</i> , 1996, 25, 361.	38.1	274
6	The Global Exposure of Forests to Air Pollutants. <i>Water, Air, and Soil Pollution</i> , 1999, 116, 5-32.	2.4	243
7	Organic nitrogen in the atmosphere â€™ Where does it come from? A review of sources and methods. <i>Atmospheric Research</i> , 2011, 102, 30-48.	4.1	210
8	Concentrations of ammonia and nitrogen dioxide at roadside verges, and their contribution to nitrogen deposition. <i>Environmental Pollution</i> , 2004, 132, 469-478.	7.5	191
9	Agricultural ammonia emissions inventory and spatial distribution in the North China Plain. <i>Environmental Pollution</i> , 2010, 158, 490-501.	7.5	184
10	Elemental and organic carbon in PM <sub>10</sub> ; a one year measurement campaign within the European Monitoring and Evaluation Programme EMEP. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5711-5725.	4.9	177
11	The influence of altitude on rainfall composition at great dun fell. <i>Atmospheric Environment</i> , 1988, 22, 1355-1362.	1.0	173
12	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.	1.4	168
13	Effects of global change during the 21st century on the nitrogen cycle. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13849-13893.	4.9	168
14	Quantification of frost damage in plant tissues by rates of electrolyte leakage. <i>New Phytologist</i> , 1989, 113, 307-311.	7.3	166
15	Responses of herbaceous plants to urban air pollution: Effects on growth, phenology and leaf surface characteristics. <i>Environmental Pollution</i> , 2009, 157, 1279-1286.	7.5	163
16	Evidence for organic N deposition and its anthropogenic sources in China. <i>Atmospheric Environment</i> , 2008, 42, 1035-1041.	4.1	160
17	Evidence for changing the critical level for ammonia. <i>Environmental Pollution</i> , 2009, 157, 1033-1037.	7.5	137
18	CONTACT ANGLES OF WATER DROPLETS ON NEEDLES OF SCOTS PINE (PINUS SYLVESTEIS) GROWING IN POLLUTED ATMOSPHERES. <i>New Phytologist</i> , 1983, 93, 293-299.	7.3	134

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19	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 63-74.	2.4	132
20	Effects of acid mist on the frost hardiness of red spruce seedlings. New Phytologist, 1989, 113, 321-335.	7.3	130
21	Occurrence and formation of nitrated phenols in and out of cloud. Atmospheric Environment, 1997, 31, 2637-2648.	4.1	123
22	The cycling of organic nitrogen through the atmosphere. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130115.	4.0	119
23	The atmospheric lifetime of black carbon. Atmospheric Environment, 2012, 59, 256-263.	4.1	117
24	Dry deposition of ammonia gas drives species change faster than wet deposition of ammonium ions: evidence from a long-term field manipulation. Global Change Biology, 2011, 17, 3589-3607.	9.5	106
25	The atmospheric budget of oxidized nitrogen and its role in ozone formation and deposition. New Phytologist, 1998, 139, 11-23.	7.3	104
26	Biosphere-atmosphere exchange of reactive nitrogen and greenhouse gases at the NitroEurope core flux measurement sites: Measurement strategy and first data sets. Agriculture, Ecosystems and Environment, 2009, 133, 139-149.	5.3	104
27	An analysis of crystallization by homogeneous nucleation in a 4000-atom soft-sphere model. Journal of Chemical Physics, 1981, 75, 2366-2373.	3.0	99
28	Effects of airborne volatile organic compounds on plants. Environmental Pollution, 2003, 122, 145-157.	7.5	92
29	Ecological effects of sulfur dioxide, fluorides, and minor air pollutants: recent trends and research needs. Environment International, 2003, 29, 201-211.	10.0	91
30	Hydrochloric Acid: An Overlooked Driver of Environmental Change. Environmental Science & Technology, 2011, 45, 1887-1894.	10.0	89
31	Sources and fate of atmospheric HCl in the U.K. and Western Europe. Atmospheric Environment, 1988, 22, 7-15.	1.0	86
32	Long Term Trends in Sulphur and Nitrogen Deposition in Europe and the Cause of Non-linearities. Water, Air and Soil Pollution, 2007, 7, 41-47.	0.8	86
33	Glass transition in a soft-sphere model. Journal of Chemical Physics, 1980, 72, 976-985.	3.0	84
34	Surface ozone concentrations and ecosystem health: Past trends and a guide to future projections. Science of the Total Environment, 2008, 400, 257-269.	8.0	84
35	Direct ecosystem fluxes of volatile organic compounds from oil palms in South-East Asia. Atmospheric Chemistry and Physics, 2011, 11, 8995-9017.	4.9	82
36	Rainfall acidity in northern Britain. Nature, 1982, 297, 383-385.	27.8	81

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37	Melting in two dimensions: Determination of phase transition boundaries. <i>Journal of Chemical Physics</i> , 1980, 73, 913-922.	3.0	79
38	Concentrations and fluxes of biogenic volatile organic compounds above a Mediterranean macchia ecosystem in western Italy. <i>Biogeosciences</i> , 2009, 6, 1655-1670.	3.3	79
39	Vegetation composition of roadside verges in Scotland: the effects of nitrogen deposition, disturbance and management. <i>Environmental Pollution</i> , 2005, 136, 109-118.	7.5	78
40	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.	4.0	78
41	The nutritional status of <i>Picea abies</i> (L.) Karst. across Europe, and implications for 'forest decline'. <i>Trees - Structure and Function</i> , 1990, 4, 211.	1.9	77
42	Governing processes for reactive nitrogen compounds in the European atmosphere. <i>Biogeosciences</i> , 2012, 9, 4921-4954.	3.3	77
43	Sulphate and ammonium in mist impair the frost hardening of red spruce seedlings. <i>New Phytologist</i> , 1991, 118, 119-126.	7.3	72
44	Investigation and evaluation of the NO <sub>x</sub> /O <sub>3</sub> photochemical steady state. <i>Atmospheric Environment</i> , 1998, 32, 3353-3365.	4.1	72
45	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.	4.0	72
46	Interspecies comparisons of throughfall and stemflow at three sites in northern Britain. <i>Forest Ecology and Management</i> , 1991, 46, 165-177.	3.2	71
47	The great dun fell cloud experiment 1993: An overview. <i>Atmospheric Environment</i> , 1997, 31, 2393-2405.	4.1	71
48	Practical considerations for addressing uncertainties in monitoring bulk deposition. <i>Environmental Pollution</i> , 2005, 134, 535-548.	7.5	68
49	Modelling photochemical oxidant formation, transport, deposition and exposure of terrestrial ecosystems. <i>Environmental Pollution</i> , 1999, 100, 43-55.	7.5	66
50	Regional variation in surface properties of Norway spruce and scots pine needles in relation to forest decline. <i>Environmental Pollution</i> , 1989, 58, 325-342.	7.5	64
51	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.	3.0	58
52	Large estragole fluxes from oil palms in Borneo. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4343-4358.	4.9	58
53	Growth and tissue nitrogen of epiphytic Atlantic bryophytes: effects of increased and decreased atmospheric N deposition. <i>Functional Ecology</i> , 2004, 18, 322-329.	3.6	56
54	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.	7.5	55

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55	Observations and modelling of the processing of aerosol by a hill cap cloud. Atmospheric Environment, 1997, 31, 2527-2543.	4.1	54
56	Overestimation of urban nitrogen dioxide by passive diffusion tubes: a comparative exposure and model study. Atmospheric Environment, 1999, 33, 513-524.	4.1	53
57	Reactive uptake of ozone at simulated leaf surfaces: Implications for "non-stomatal" ozone flux. Atmospheric Environment, 2009, 43, 1116-1123.	4.1	53
58	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.	1.0	52
59	Atmospheric nitrogen deposition in south-east Scotland: Quantification of the organic nitrogen fraction in wet, dry and bulk deposition. Atmospheric Environment, 2009, 43, 4087-4094.	4.1	52
60	The contamination of rain samples by dry deposition on rain collectors. Atmospheric Environment, 1984, 18, 183-189.	1.0	51
61	Use of carotenoid ratios, ethylene emissions and buffer capacities for the early diagnosis of forest decline. New Phytologist, 1988, 109, 85-95.	7.3	51
62	Measurements of ozone deposition to a potato canopy. Agricultural and Forest Meteorology, 2009, 149, 655-666.	4.8	50
63	Aqueous-phase nitration of phenol by N <sub>2</sub> O <sub>5</sub> and ClNO <sub>2</sub> . Atmospheric Environment, 2007, 41, 3515-3520.	4.1	48
64	On the episodic nature of wet deposited sulphate and acidity. Atmospheric Environment, 1984, 18, 1859-1866.	1.0	46
65	Visible foliar injury of red spruce seedlings subjected to simulated acid mist. New Phytologist, 1989, 113, 313-320.	7.3	46
66	Environmental influences on the development of spruce needle cuticles. New Phytologist, 1993, 125, 787-799.	7.3	46
67	An Automated Wet Deposition System to Compare the Effects of Reduced and Oxidised N on Ombrotrophic Bog Species: Practical Considerations. Water, Air and Soil Pollution, 2004, 4, 197-205.	0.8	46
68	ACE-2 HILLCLOUD. An overview of the ACE-2 ground-based cloud experiment. Tellus, Series B: Chemical and Physical Meteorology, 2000, 52, 750-778.	1.6	44
69	A numerical evaluation of chemical interferences in the measurement of ambient nitrogen dioxide by passive diffusion samplers. Atmospheric Environment, 1997, 31, 1911-1923.	4.1	42
70	Quantifying Dry NH <sub>3</sub> Deposition to an Ombrotrophic Bog from an Automated NH <sub>3</sub> Field Release System. Water, Air and Soil Pollution, 2004, 4, 207-218.	0.8	42
71	Free radical addition to olefins. Part 14. "Addition to trifluoromethyl radicals to fluoroethylenes. Journal of the Chemical Society Faraday Transactions I, 1975, 71, 592.	1.0	41
72	Evaluation of the pathways of tropospheric nitrophenol formation from benzene and phenol using a multiphase model. Atmospheric Chemistry and Physics, 2005, 5, 1679-1695.	4.9	41

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73	Concentration-dependent NH <sub>3</sub> deposition processes for mixed moorland semi-natural vegetation. <i>Atmospheric Environment</i> , 2007, 41, 2049-2060.	4.1	41
74	Molecular dynamics calculation of phase coexistence properties: The soft-sphere melting transition. <i>Chemical Physics Letters</i> , 1978, 59, 271-274.	2.6	40
75	An evaluation of measurement methods for organic, elemental and black carbon in ambient air monitoring sites. <i>Atmospheric Environment</i> , 2009, 43, 5085-5091.	4.1	39
76	Water soluble aerosols and gases at a UK background site – Part 1: Controls of PM <sub>2.5</sub> and PM <sub>10</sub> aerosol composition. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8131-8145.	4.9	38
77	Influence of acidic mist on frost hardiness and nutrient concentrations in red spruce seedlings. <i>New Phytologist</i> , 1993, 124, 595-605.	7.3	37
78	Development of PTR-MS selectivity for structural isomers: Monoterpenes as a case study. <i>International Journal of Mass Spectrometry</i> , 2012, 310, 10-19.	1.5	37
79	Effects of air pollution on the chemistry of surface waxes of scots pine. <i>Water, Air, and Soil Pollution</i> , 1986, 31, 393-399.	2.4	35
80	Meteorology of the great dun fell cloud experiment 1993. <i>Atmospheric Environment</i> , 1997, 31, 2407-2420.	4.1	35
81	Organic Nitrogen in Precipitation Across the United Kingdom. <i>Water, Air and Soil Pollution</i> , 2004, 4, 25-35.	0.8	35
82	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.	3.5	35
83	Nitrogen processes in the atmosphere. , 2011, , 177-208.		35
84	Gaseous and particulate water-soluble organic and inorganic nitrogen in rural air in southern Scotland. <i>Atmospheric Environment</i> , 2010, 44, 1506-1514.	4.1	34
85	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.	7.5	33
86	Interactions of forests with secondary air pollutants: Some challenges for future research. <i>Environmental Pollution</i> , 2008, 155, 391-397.	7.5	32
87	Chemical composition of rainfall and wet deposition over northern Britain. <i>Atmospheric Environment</i> , 1984, 18, 1921-1932.	1.0	31
88	The Great Dun Fell Experiment 1995: an overview. <i>Atmospheric Research</i> , 1999, 50, 151-184.	4.1	31
89	Volatile organic compound emissions from <i>Miscanthus</i> and short rotation coppice willow bioenergy crops. <i>Atmospheric Environment</i> , 2012, 60, 327-335.	4.1	31
90	Organic nitrogen in precipitation across Europe. <i>Biogeosciences</i> , 2012, 9, 4401-4409.	3.3	30

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91	Budget of NO <sub>y</sub> species measured at a coastal site. <i>Atmospheric Environment</i> , 1999, 33, 4255-4272.	4.1	29
92	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.	4.1	29
93	Atmospheric nitrogen compounds—issues related to agricultural systems. <i>Environment International</i> , 2003, 29, 181-187.	10.0	29
94	Experimental field estimation of organic nitrogen formation in tree canopies. <i>Environmental Pollution</i> , 2010, 158, 2926-2933.	7.5	29
95	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.	9.5	29
96	The influence of acid mists on growth, dry matter partitioning, nutrient concentrations and mycorrhizal fruiting bodies in red spruce seedlings. <i>New Phytologist</i> , 1990, 115, 459-464.	7.3	28
97	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.	3.1	28
98	Peroxyacetyl nitrate in eastern Scotland. <i>Science of the Total Environment</i> , 2005, 337, 213-222.	8.0	27
99	Effects of air filtration at small SO <sub>2</sub> and NO <sub>2</sub> concentrations on the yield of barley. <i>Environmental Pollution</i> , 1988, 53, 135-149.	7.5	26
100	The interpretation of leaf-drying curves. <i>Plant, Cell and Environment</i> , 1996, 19, 356-361.	5.7	26
101	Surface/atmosphere exchange and chemical interactions of reactive nitrogen compounds above a managed grassland. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1488-1503.	4.8	26
102	Nitrite in orographic cloud as an indicator of nitrous acid in rural air. <i>Atmospheric Environment Part A General Topics</i> , 1992, 26, 2301-2307.	1.3	25
103	Systematic Biases in Measurement of Urban Nitrogen Dioxide using Passive Diffusion Samplers. <i>Environmental Monitoring and Assessment</i> , 2000, 62, 39-54.	2.7	25
104	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.	8.0	25
105	Nonlinearities in Source Receptor Relationships for Sulfur and Nitrogen Compounds. <i>Ambio</i> , 2005, 34, 41-46.	5.5	25
106	Influence of acidic mist on frost hardiness and nutrient concentrations in red spruce seedlings. <i>New Phytologist</i> , 1993, 124, 607-615.	7.3	24
107	Preservation of Throughfall Samples by Chloroform and Thymol. <i>International Journal of Environmental Analytical Chemistry</i> , 1995, 61, 103-116.	3.3	24
108	The reduced nitrogen budget of an orographic cloud. <i>Atmospheric Environment</i> , 1997, 31, 2599-2614.	4.1	24

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109	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.	7.5	23
110	Deposition of atmospheric pollutants to the LOIS area. <i>Science of the Total Environment</i> , 1997, 194-195, 71-85.	8.0	21
111	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.	4.1	21
112	Effects of ozone on species composition in an upland grassland. <i>Oecologia</i> , 2012, 168, 1137-1146.	2.0	21
113	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.	8.0	21
114	Pan-European rural monitoring network shows dominance of NH <sub>3</sub> gas and NH <sub>4</sub> /NO <sub>3</sub> aerosol in inorganic atmospheric pollution load. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 875-914.	4.9	21
115	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
116	Estimate of annual NH <sub>3</sub> dry deposition to a fumigated ombrotrophic bog using concentration-dependent deposition velocities. <i>Atmospheric Environment</i> , 2008, 42, 6637-6646.	4.1	20
117	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.	8.0	20
118	A Comparison of Element Fluxes in Throughfall beneath Larch and Sitka Spruce at Two Contrasting Sites in the United Kingdom. <i>Forestry</i> , 1989, 62, 29-39.	2.3	19
119	Particulate and dissolved organic carbon in cloud water in southern Scotland. <i>Environmental Pollution</i> , 1995, 88, 299-306.	7.5	19
120	Concentration-dependent NH <sub>3</sub> deposition processes for moorland plant species with and without stomata. <i>Atmospheric Environment</i> , 2007, 41, 8980-8994.	4.1	19
121	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.	4.2	18
122	The budget of oxidised nitrogen species in orographic clouds. <i>Atmospheric Environment</i> , 1997, 31, 2625-2636.	4.1	18
123	Enhancement of the dry deposition of sulphur dioxide to a forest in the presence of ammonia. <i>Atmospheric Environment</i> , 1998, 32, 519-524.	4.1	18
124	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1999, 33, 111-128.	3.2	18
125	Depletion of carbon monoxide from the nocturnal boundary layer. <i>Atmospheric Environment</i> , 1997, 31, 1147-1155.	4.1	17
126	Physical and chemical influences on PAN concentrations at a rural site. <i>Atmospheric Environment</i> , 1999, 33, 2929-2940.	4.1	17



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127	Molecular dynamics study of a dense fluid at a hard wall. Journal of the Chemical Society, Faraday Transactions 2, 1982, 78, 317.	1.1	16
128	Observation on great dun fell of the pathways by which oxides of nitrogen are converted to nitrate. Atmospheric Environment, 1994, 28, 397-408.	4.1	16
129	Leaf surface properties of Norway spruce needles exposed to sulphur dioxide and ozone in an open-air fumigation system at Liphook. Plant, Cell and Environment, 1995, 18, 285-28.	5.7	16
130	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 1043-1048.	2.4	16
131	Atmospheric Concentrations and Deposition of Trichloroacetic Acid in Scotland: Results from a 2-Year Sampling Campaign. Environmental Science & Technology, 2003, 37, 2627-2633.	10.0	16
132	Measurement of dry deposition to bulk precipitation collectors using a novel flushing sampler. Journal of Environmental Monitoring, 2009, 11, 353-358.	2.1	16
133	Key unknowns in estimating atmospheric emissions from UK land management. Atmospheric Environment, 2011, 45, 1067-1074.	4.1	16
134	The reaction of nitrogen dioxide at low concentrations with natural waters. Atmospheric Environment Part A General Topics, 1993, 27, 2613-2621.	1.3	15
135	Source identification during the Great Dun Fell cloud experiment 1993. Atmospheric Environment, 1997, 31, 2441-2451.	4.1	15
136	The influence of nitrogen in stemflow and precipitation on epiphytic bryophytes, Isothecium myosuroides Brid., Dicranum scoparium Hewd. and Thuidium tamariscinum (Hewd.) Schimp of Atlantic oakwoods. Environmental Pollution, 2008, 155, 237-246.	7.5	15
137	Ammonia concentrations in houses and public buildings. Atmospheric Environment Part A General Topics, 1993, 27, 2235-2237.	1.3	14
138	Direct analysis of polycyclic aromatic hydrocarbons in cloud-water aerosol filtrates using laser desorption mass spectrometry. Environmental Pollution, 1995, 89, 123-129.	7.5	14
139	Measurement of the NO + O3 Reaction Rate at Atmospheric Pressure Using Realistic Mixing Ratios. Journal of Atmospheric Chemistry, 1998, 29, 299-314.	3.2	14
140	Use of needle epicuticular wax chemical composition in the early diagnosis of Norway Spruce (Picea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.2	14
141	Progress in Understanding the Sources, Deposition and Above-ground Fate of Trichloroacetic Acid (11) Tj ETQq1 1 0.784314 rgBT /Over	5.3	14
142	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 619-624.	2.4	13
143	Fluxes and Reservoirs of Trichloroacetic Acid at a Forest and Moorland Catchment. Environmental Science & Technology, 2004, 38, 1639-1647.	10.0	13
144	The importance of solution equilibria in studying the effects of sulphite on plants. Environmental Pollution Series A, Ecological and Biological, 1984, 34, 259-274.	0.7	12

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145	Partitioning of chlorinated solvents between pine needles and air. <i>Chemosphere</i> , 1998, 36, 1799-1810.	8.2	12
146	The routes and kinetics of trichloroacetic acid uptake and elimination in Sitka spruce ( <i>Picea</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 T 4447-4452.	4.1	12
147	Effects of VOCs on herbaceous plants in an open-top chamber experiment. <i>Environmental Pollution</i> , 2003, 124, 341-353.	7.5	12
148	The production and degradation of trichloroacetic acid in soil: Results from in situ soil column experiments. <i>Chemosphere</i> , 2010, 79, 401-407.	8.2	12
149	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.	4.9	12
150	Acid inputs from the atmosphere in the United Kingdom. <i>Soil Use and Management</i> , 1985, 1, 3-5.	4.9	11
151	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.	4.1	11
152	Long-Term Exposure of Sitka Spruce Seedlings to Trichloroacetic Acid. <i>Environmental Science &amp; Technology</i> , 2003, 37, 2953-2957.	10.0	11
153	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
154	Processing of oxidised nitrogen compounds by passage through winter-time orographic cloud. <i>Journal of Atmospheric Chemistry</i> , 1996, 24, 211.	3.2	10
155	Harmful effects of atmospheric nitrous acid on the physiological status of Scots pine trees. <i>Environmental Pollution</i> , 2007, 147, 532-534.	7.5	10
156	Patterns and source analysis for atmospheric mercury at Auchencorth Moss, Scotland. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1112-1123.	3.5	10
157	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.	2.4	9
158	New data for water losses from mature Sitka spruce plantations in temperate upland catchments / Nouvelles donn�es pour les pertes d'eau de plantations adultes de sapins de Sitka en bassins versants temp�r�s d'altitude. <i>Hydrological Sciences Journal</i> , 2004, 49, .	2.6	9
159	Volatile organic compound speciation above and within a Douglas fir forest. <i>Atmospheric Environment</i> , 2014, 94, 86-95.	4.1	9
160	Long-term trends in rain and cloud chemistry in a region of complex topography. <i>Atmospheric Research</i> , 2015, 153, 335-347.	4.1	9
161	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.	4.1	9
162	Field observations of SIV in cloud. <i>Atmospheric Research</i> , 1999, 50, 345-358.	4.1	8

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163	Trichloroacetic acid cycling in Sitka spruce saplings and effects on sapling health following long term exposure. <i>Environmental Pollution</i> , 2004, 130, 165-176.	7.5	8
164	Fluxes of trichloroacetic acid through a conifer forest canopy. <i>Environmental Pollution</i> , 2004, 132, 73-84.	7.5	8
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