

Mhairi Coyle

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

5,207
citations

201674

27
h-index

243625

44
g-index

59
all docs

59
docs citations

59
times ranked

7022
citing authors

#	ARTICLE	IF	CITATIONS
1	Net carbon dioxide emissions from an eroding Atlantic blanket bog. <i>Biogeochemistry</i> , 2022, 159, 233-250.	3.5	1
2	Overriding water table control on managed peatland greenhouse gas emissions. <i>Nature</i> , 2021, 593, 548-552.	27.8	172
3	An evaluation of four years of nitrous oxide fluxes after application of ammonium nitrate and urea fertilisers measured using the eddy covariance method. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107812.	4.8	28
4	A chronology of global air quality. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190314.	3.4	87
5	Dry Deposition of Ozone Over Land: Processes, Measurement, and Modeling. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000670.	23.0	86
6	Neural Network Analysis to Evaluate Ozone Damage to Vegetation Under Different Climatic Conditions. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	6
7	Tropospheric Ozone Assessment Report. <i>Elementa</i> , 2020, 8, .	3.2	52
8	A Site-Specific Analysis of the Implications of a Changing Ozone Profile and Climate for Stomatal Ozone Fluxes in Europe. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	9
9	Meteorological measurements at Auchencorth Moss from 1995 to 2016. <i>Geoscience Data Journal</i> , 2019, 6, 16-29.	4.4	4
10	Ambient concentrations and deposition rates of selected reactive nitrogen species and their contribution to PM _{2.5} aerosols at three locations with contrasting land use in southwest China. <i>Environmental Pollution</i> , 2018, 233, 1164-1176.	7.5	14
11	Characterization of ozone deposition to a mixed oak-hornbeam forest - flux measurements at five levels above and inside the canopy and their interactions with nitric oxide. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17945-17961.	4.9	19
12	Seasonal fluxes of carbon monoxide from an intensively grazed grassland in Scotland. <i>Atmospheric Environment</i> , 2018, 194, 170-178.	4.1	10
13	The nitrogen, carbon and greenhouse gas budget of a grazed, cut and fertilised temperate grassland. <i>Biogeosciences</i> , 2017, 14, 2069-2088.	3.3	48
14	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
15	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
16	N-fixation in legumes - An assessment of the potential threat posed by ozone pollution. <i>Environmental Pollution</i> , 2016, 208, 909-918.	7.5	24
17	Tropospheric ozone and its precursors from the urban to the global scale from air quality to short-lived climate forcer. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8889-8973.	4.9	942
18	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

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19	Water soluble aerosols and gases at a UK background site â€” Part 1: Controls of PM _{2.5} and PM ₁₀ ; aerosol composition. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8131-8145.	4.9	38
20	Drivers of long-term variability in CO ₂ net ecosystem exchange in a temperate peatland. <i>Biogeosciences</i> , 2015, 12, 1799-1811.	3.3	75
21	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
22	Effects of ozone on species composition in an upland grassland. <i>Oecologia</i> , 2012, 168, 1137-1146.	2.0	21
23	The atmospheric lifetime of black carbon. <i>Atmospheric Environment</i> , 2012, 59, 256-263.	4.1	117
24	Effects of land use on surfaceâ€”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
25	Sources of uncertainty in eddy covariance ozone flux measurements made by dry chemiluminescence fast response analysers. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 163-176.	3.1	47
26	Model inter-comparison between statistical and dynamic model assessments of the long-term stability of blanket peat in Great Britain (1940â€”2009). <i>Climate Research</i> , 2010, 45, 227-248.	1.1	12
27	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
28	Atmospheric composition change: Ecosystemsâ€”Atmosphere interactions. <i>Atmospheric Environment</i> , 2009, 43, 5193-5267.	4.1	609
29	Comparison of ozone fluxes over grassland by gradient and eddy covariance technique. <i>Atmospheric Science Letters</i> , 2009, 10, 164-169.	1.9	21
30	Measurements of ozone deposition to a potato canopy. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 655-666.	4.8	50
31	Ammonia Emission and Deposition in Scotland and Its Potential Environmental Impacts. <i>Scientific World Journal</i> , The, 2004, 4, 795-810.	2.1	7
32	New Directions: Implications of increasing tropospheric background ozone concentrations for vegetation. <i>Atmospheric Environment</i> , 2003, 37, 153-154.	4.1	65
33	An ozone budget for the UK: using measurements from the national ozone monitoring network; measured and modelled meteorological data, and a â€”big-leafâ€” resistance analogy model of dry deposition. <i>Environmental Pollution</i> , 2003, 123, 115-123.	7.5	8
34	Quantifying the spatial distribution of surface ozone concentration in the UK. <i>Atmospheric Environment</i> , 2002, 36, 1013-1024.	4.1	88
35	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2001, 130, 63-74.	2.4	132
36	Title is missing!. <i>Water, Air and Soil Pollution</i> , 2001, 1, 39-48.	0.8	32

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37	Title is missing!. Plant and Soil, 2001, 228, 117-129.	3.7	65
38	Regional estimation of pollutant gas dry deposition in the UK: model description, sensitivity analyses and outputs. Atmospheric Environment, 2000, 34, 3757-3777.	4.1	224
39	The Global Exposure of Forests to Air Pollutants. Water, Air, and Soil Pollution, 1999, 116, 5-32.	2.4	243
40	Modelling photochemical oxidant formation, transport, deposition and exposure of terrestrial ecosystems. Environmental Pollution, 1999, 100, 43-55.	7.5	66
41	The Atmospheric Nitrogen Cycle and the Role of Anthropogenic Activity. , 1999, , 121-138.		2
42	The Global Exposure of Forests to Air Pollutants. , 1999, , 5-32.		10
43	The atmospheric budget of oxidized nitrogen and its role in ozone formation and deposition. New Phytologist, 1998, 139, 11-23.	7.3	104
44	Regional mass budgets of oxidized and reduced nitrogen and their relative contribution to the nitrogen inputs of sensitive ecosystems. Environmental Pollution, 1998, 102, 337-342.	7.5	57
45	The mass budget of atmospheric ammonia in woodland within 1 km of livestock buildings. Environmental Pollution, 1998, 102, 343-348.	7.5	133
46	Regional mass budgets of oxidized and reduced nitrogen and their relative contribution to the nitrogen inputs of sensitive ecosystems. , 1998, , 337-342.		1
47	The mass budget of atmospheric ammonia in woodland within 1 km of livestock buildings. , 1998, , 343-348.		0
48	Quantifying the fine scale (1km \times 1/2 1km) exposure and effects of ozone. Part 1. Methodology and application for effects on forests. Water, Air, and Soil Pollution, 1995, 85, 1479-1484.	2.4	16