Chris D Evans

List of Publications by Year
in descending order

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192 papers	13,577 citations	23567 58 h-index	25787 108 g-index
201 all docs	201 docs citations	201 times ranked	11178 citing authors

#	Article	IF	Citations
1	Dissolved organic carbon trends resulting from changes in atmospheric deposition chemistry. Nature, 2007, 450, 537-540.	27.8	1,471
2	Export of organic carbon from peat soils. Nature, 2001, 412, 785-785.	27.8	837
3	Long-term increases in surface water dissolved organic carbon: Observations, possible causes and environmental impacts. Environmental Pollution, 2005, 137, 55-71.	7.5	817
4	Alternative explanations for rising dissolved organic carbon export from organic soils. Global Change Biology, 2006, 12, 2044-2053.	9.5	438
5	Causes of concentration/discharge hysteresis and its potential as a tool for analysis of episode hydrochemistry. Water Resources Research, 1998, 34, 129-137.	4.2	336
6	The impact of nitrogen deposition on carbon sequestration by European forests and heathlands. Forest Ecology and Management, 2009, 258, 1814-1823.	3.2	309
7	Critical review of the impacts of grazing intensity on soil organic carbon storage and other soil quality indicators in extensively managed grasslands. Agriculture, Ecosystems and Environment, 2018, 253, 62-81.	5.3	289
8	Deep instability of deforested tropical peatlands revealed by fluvial organic carbon fluxes. Nature, 2013, 493, 660-663.	27.8	270
9	Trends in Dissolved Organic Carbon in UK Rivers and Lakes. Biogeochemistry, 2004, 70, 369-402.	3.5	236
10	Recovery from acidification in European surface waters. Hydrology and Earth System Sciences, 2001, 5, 283-298.	4.9	226
11	Acidity controls on dissolved organic carbon mobility in organic soils. Global Change Biology, 2012, 18, 3317-3331.	9.5	221
12	Terrestrial export of organic carbon. Nature, 2002, 415, 862-862.	27.8	212
13	The importance of the relationship between scale and process in understanding long-term DOC dynamics. Science of the Total Environment, 2010, 408, 2768-2775.	8.0	211
14	UK land use and soil carbon sequestration. Land Use Policy, 2009, 26, S274-S283.	5.6	187
15	Overriding water table control on managed peatland greenhouse gas emissions. Nature, 2021, 593, 548-552.	27.8	172
16	REVIEW: The role of ecosystems and their management in regulating climate, and soil, water and air quality. Journal of Applied Ecology, 2013, 50, 812-829.	4.0	169
17	Trends in nitrogen deposition and leaching in acid-sensitive streams in Europe. Hydrology and Earth System Sciences, 2001, 5, 299-310.	4.9	140
18	Carbon balance of UK peatlands: current state of knowledge and future research challenges. Climate Research, 2010, 45, 13-29.	1.1	134

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19	Does elevated nitrogen deposition or ecosystem recovery from acidification drive increased dissolved organic carbon loss from upland soil? A review of evidence from field nitrogen addition experiments. Biogeochemistry, 2008, 91, 13-35.	3.5	126
20	Response of sulphur dynamics in European catchments to decreasing sulphate deposition. Hydrology and Earth System Sciences, 2001, 5, 311-326.	4.9	121
21	Major changes in forest carbon and nitrogen cycling caused by declining sulphur deposition. Global Change Biology, 2011, 17, 3115-3129.	9.5	119
22	Summer drought effects upon soil and litter extracellular phenol oxidase activity and soluble carbon release in an upland Calluna heathland. Soil Biology and Biochemistry, 2008, 40, 1519-1532.	8.8	116
23	Evidence against recent climate-induced destabilisation of soil carbon from14C analysis of riverine dissolved organic matter. Geophysical Research Letters, 2007, 34, .	4.0	115
24	Variability in organic carbon reactivity across lake residence time and trophic gradients. Nature Geoscience, 2017, 10, 832-835.	12.9	114
25	Denial of longâ€term issues with agriculture on tropical peatlands will have devastating consequences. Global Change Biology, 2017, 23, 977-982.	9.5	114
26	Methane emissions from soils: synthesis and analysis of a large <scp>UK</scp> data set. Global Change Biology, 2012, 18, 1657-1669.	9.5	107
27	The role of waterborne carbon in the greenhouse gas balance of drained and re-wetted peatlands. Aquatic Sciences, 2016, 78, 573-590.	1.5	105
28	Are temporal variations in the nitrate content of UK upland freshwaters linked to the North Atlantic Oscillation?. Hydrological Processes, 2000, 14, 1745-1749.	2.6	103
29	Estimating changes in Scottish soil carbon stocks using ECOSSE. I. Model description and uncertainties. Climate Research, 2010, 45, 179-192.	1.1	99
30	Summer drought decreases soil fungal diversity and associated phenol oxidase activity in upland Calluna heathland soil. FEMS Microbiology Ecology, 2008, 66, 426-436.	2.7	98
31	Investing in nature: Developing ecosystem service markets for peatland restoration. Ecosystem Services, 2014, 9, 54-65.	5.4	98
32	Long-term variability in the deposition of marine ions at west coast sites in the UK Acid Waters Monitoring Network: impacts on surface water chemistry and significance for trend determination. Science of the Total Environment, 2001, 265, 115-129.	8.0	96
33	Improving the link between payments and the provision of ecosystem services in agri-environment schemes. Ecosystem Services, 2014, 9, 44-53.	5.4	91
34	Trends in the hydrochemistry of acid-sensitive surface waters in the UK 1988â€“2008. Ecological Indicators, 2014, 37, 287-303.	6.3	91
35	The United Kingdom Acid Waters Monitoring Network: a review of the first 15 years and introduction to the special issue. Environmental Pollution, 2005, 137, 3-13.	7.5	89
36	Hydrochloric Acid: An Overlooked Driver of Environmental Change. Environmental Science & Technology, 2011, 45, 1887-1894.	10.0	89

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37	Diel Surface Temperature Range Scales with Lake Size. PLoS ONE, 2016, 11, e0152466.	2.5	89
38	Use of dynamic soilâ€“vegetation models to assess impacts of nitrogen deposition on plant species composition: an overview. Ecological Applications, 2010, 20, 60-79.	3.8	88
39	Nitrogen, organic carbon and sulphur cycling in terrestrial ecosystems: linking nitrogen saturation to carbon limitation of soil microbial processes. Biogeochemistry, 2013, 115, 33-51.	3.5	87
40	Acidic episodes retard the biological recovery of upland British streams from chronic acidification. Global Change Biology, 2007, 13, 2439-2452.	9.5	86
41	Fluvial organic carbon losses from a Bornean blackwater river. Biogeosciences, 2011, 8, 901-909.	3.3	86
42	The rate of loss of dissolved organic carbon (DOC) through a catchment. Journal of Hydrology, 2013, 492, 139-150.	5.4	85
43	Rates and spatial variability of peat subsidence in Acacia plantation and forest landscapes in Sumatra, Indonesia. Geoderma, 2019, 338, 410-421.	5.1	84
44	Carbon sequestration and biogeochemical cycling in a saltmarsh subject to coastal managed realignment. Estuarine, Coastal and Shelf Science, 2013, 120, 12-20.	2.1	82
45	Chemical trends at lakes and streams in the UK Acid Waters Monitoring Network, 1988-2000: Evidence for recent recovery at a national scale. Hydrology and Earth System Sciences, 2001, 5, 351-366.	4.9	81
46	Increasing Iron Concentrations in UK Upland Waters. Aquatic Geochemistry, 2008, 14, 263-288.	1.3	80
47	Increased temperature sensitivity of net DOC production from ombrotrophic peat due to water table drawâ€down. Global Change Biology, 2009, 15, 794-807.	9.5	79
48	Widespread Increases in Iron Concentration in European and North American Freshwaters. Global Biogeochemical Cycles, 2017, 31, 1488-1500.	4.9	79
49	Trends in surface water chemistry of acidified UK Freshwaters, 1988â€“2002. Environmental Pollution, 2005, 137, 27-39.	7.5	78
50	Effects of storm events on mobilisation and in-stream processing of dissolved organic matter (DOM) in a Welsh peatland catchment. Biogeochemistry, 2010, 99, 157-173.	3.5	77
51	UV-visible absorbance spectroscopy as a proxy for peatland dissolved organic carbon (DOC) quantity and quality: considerations on wavelength and absorbance degradation. Environmental Sciences: Processes and Impacts, 2014, 16, 1445.	3.5	74
52	Relationships between anthropogenic pressures and ecosystem functions in UK blanket bogs: Linking process understanding to ecosystem service valuation. Ecosystem Services, 2014, 9, 5-19.	5.4	72
53	Balancing macronutrient stoichiometry to alleviate eutrophication. Science of the Total Environment, 2018, 634, 439-447.	8.0	72
54	Evidence that Soil Carbon Pool Determines Susceptibility of Semi-Natural Ecosystems to Elevated Nitrogen Leaching. Ecosystems, 2006, 9, 453-462.	3.4	71

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55	Contrasting vulnerability of drained tropical and highâ€latitude peatlands to fluvial loss of stored carbon. Global Biogeochemical Cycles, 2014, 28, 1215-1234.	4.9	69
56	What Have Stable Isotope Studies Revealed About the Nature and Mechanisms of N Saturation and Nitrate Leaching from Semi-Natural Catchments?. Ecosystems, 2011, 14, 1021-1037.	3.4	67
57	Reconstructing pre-acidification pH for an acidified Scottish loch: A comparison of palaeolimnological and modelling approaches. Environmental Pollution, 2005, 137, 135-149.	7.5	64
58	Terrestrial dissolved organic matter distribution in the North Sea. Science of the Total Environment, 2018, 630, 630-647.	8.0	64
59	Nitrate leaching as a confounding factor in chemical recovery from acidification in UK upland waters. Environmental Pollution, 2005, 137, 73-82.	7.5	63
60	Modelling the effect of climate change on recovery of acidified freshwaters: Relative sensitivity of individual processes in the MAGIC model. Science of the Total Environment, 2006, 365, 154-166.	8.0	62
61	Modelling the effects of climate change on an acidic upland stream. Biogeochemistry, 2005, 74, 21-46.	3.5	57
62	Infilled Ditches are Hotspots of Landscape Methane Flux Following Peatland Re-wetting. Ecosystems, 2014, 17, 1227-1241.	3.4	57
63	Buffering of recovery from acidification by organic acids. Science of the Total Environment, 2008, 404, 316-325.	8.0	56
64	The importance of small artificial water bodies as sources of methane emissions in Queensland, Australia. Hydrology and Earth System Sciences, 2018, 22, 5281-5298.	4.9	53
65	Modelling nitrogen saturation and carbon accumulation in heathland soils under elevated nitrogen deposition. Environmental Pollution, 2006, 143, 468-478.	7.5	51
66	Are there signs of acidification reversal in freshwaters of the low mountain ranges in Germany?. Hydrology and Earth System Sciences, 2001, 5, 367-378.	4.9	50
67	The role of catchment characteristics in determining surface water nitrogen in four upland regions in the UK. Hydrology and Earth System Sciences, 2007, 11, 356-371.	4.9	50
68	Boreal forest riparian zones regulate stream sulfate and dissolved organic carbon. Science of the Total Environment, 2016, 560-561, 110-122.	8.0	50
69	Small artificial waterbodies are widespread and persistent emitters of methane and carbon dioxide. Global Change Biology, 2021, 27, 5109-5123.	9.5	50
70	Modelling soil nitrogen: The MAGIC model with nitrogen retention linked to carbon turnover using decomposer dynamics. Environmental Pollution, 2012, 165, 158-166.	7.5	49
71	Variation in dissolved organic matter (DOM) stoichiometry in U.K. freshwaters: Assessing the influence of land cover and soil C:N ratio on DOM composition. Limnology and Oceanography, 2019, 64, 2328-2340.	3.1	49
72	Is the â€˜enzyme latchâ€™ or â€˜iron gateâ€™ the key to protecting soil organic carbon in peatlands?. Geoderma, 2019, 349, 107-113.	5.1	49

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73	Can the heterogeneity in stream dissolved organic carbon be explained by contributing landscape elements?. Biogeosciences, 2014, 11, 1199-1213.	3.3	48
74	Nitrogen deposition increases the acquisition of phosphorus and potassium by heather Calluna vulgaris. Environmental Pollution, 2008, 155, 201-207.	7.5	47
75	Effect of restoration on saltmarsh carbon accumulation in Eastern England. Biology Letters, 2019, 15, 20180773.	2.3	47
76	Global importance of methane emissions from drainage ditches and canals. Environmental Research Letters, 2021, 16, 044010.	5.2	45
77	Longâ€term drainage for forestry inhibits extracellular phenol oxidase activity in Finnish boreal mire peat. European Journal of Soil Science, 2010, 61, 950-957.	3.9	44
78	Spatial patterns and environmental constraints on ecosystem services at a catchment scale. Science of the Total Environment, 2016, 572, 1586-1600.	8.0	44
79	Misinterpreting carbon accumulation rates in records from near-surface peat. Scientific Reports, 2019, 9, 17939.	3.3	44
80	Estimating changes in Scottish soil carbon stocks using ECOSSE. II. Application. Climate Research, 2010, 45, 193-205.	1.1	42
81	Identifying drivers of species compositional change in a semi-natural upland grassland over a 40-year period. Journal of Vegetation Science, 2011, 22, 346-356.	2.2	41
82	Transformations in DOC along a source to sea continuum; impacts of photo-degradation, biological processes and mixing. Aquatic Sciences, 2016, 78, 433-446.	1.5	41
83	Fluvial organic carbon fluxes from oil palm plantations on tropical peatland. Biogeosciences, 2018, 15, 7435-7450.	3.3	41
84	Vegetation Type Affects the Relationship Between Soil Carbon to Nitrogen Ratio and Nitrogen Leaching. Water, Air, and Soil Pollution, 2006, 177, 335-347.	2.4	40
85	N14C: A plantâ€“soil nitrogen and carbon cycling model to simulate terrestrial ecosystem responses to atmospheric nitrogen deposition. Ecological Modelling, 2012, 247, 11-26.	2.5	40
86	Derivation of greenhouse gas emission factors for peatlands managed for extraction in the Republic of Ireland and the United Kingdom. Biogeosciences, 2015, 12, 5291-5308.	3.3	39
87	Evaluating effects of land management on greenhouse gas fluxes and carbon balances in boreo-temperate lowland peatland systems. Environmental Evidence, 2014, 3, 5.	2.7	38
88	Investigations of freezing and cold storage for the analysis of peatland dissolved organic carbon (DOC) and absorbance properties. Environmental Sciences: Processes and Impacts, 2015, 17, 1290-1301.	3.5	37
89	Can on-site management mitigate nitrogen deposition impacts in non-wooded habitats?. Biological Conservation, 2017, 212, 464-475.	4.1	37
90	Cleaner air reveals growing influence of climate on dissolved organic carbon trends in northern headwaters. Environmental Research Letters, 2021, 16, 104009.	5.2	37

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91	Surface water acidification in the South Pennines I. Current status and spatial variability. Environmental Pollution, 2000, 109, 11-20.	7.5	36
92	Predicting sulphur and nitrogen deposition using a simple statistical method. Atmospheric Environment, 2016, 140, 456-468.	4.1	36
93	Methane indicator values for peatlands: a comparison of species and functional groups. Global Change Biology, 2013, 19, 1141-1150.	9.5	35
94	Quantifying tropical peatland dissolved organic carbon (DOC) using UV-visible spectroscopy. Water Research, 2017, 115, 229-235.	11.3	35
95	Conservation slows down emission increase from a tropical peatland in Indonesia. Nature Geoscience, 2021, 14, 484-490.	12.9	35
96	Predicting nitrogen and acidity effects on long-term dynamics of dissolved organic matter. Environmental Pollution, 2014, 184, 271-282.	7.5	34
97	Impact of forest plantation on methane emissions from tropical peatland. Global Change Biology, 2020, 26, 2477-2495.	9.5	34
98	Microbial utilization of low molecular weight organic carbon substrates in cultivated peats in response to warming and soil degradation. Soil Biology and Biochemistry, 2019, 139, 107629.	8.8	33
99	Unified concepts for understanding and modelling turnover of dissolved organic matter from freshwaters to the ocean: the UniDOM model. Biogeochemistry, 2019, 146, 105-123.	3.5	33
100	Effects of decreasing acid deposition and climate change on acid extremes in an upland stream. Hydrology and Earth System Sciences, 2008, 12, 337-351.	4.9	32
101	Long-term nitrogen deposition increases heathland carbon sequestration. Science of the Total Environment, 2017, 592, 426-435.	8.0	32
102	Modelling impacts of atmospheric deposition and temperature on long-term DOC trends. Science of the Total Environment, 2017, 578, 323-336.	8.0	31
103	Assessing Recovery from Acidification of European Surface Waters in the Year 2010: Evaluation of Projections Made with the MAGIC Model in 1995. Environmental Science & Technology, 2014, 48, 13280-13288.	10.0	30
104	Quantifying terrestrial carbon stocks: examining the spatial variation in two upland areas in the UK and a comparison to mapped estimates of soil carbon. Soil Use and Management, 2009, 25, 320-332.	4.9	29
105	Comparison of the impacts of acid and nitrogen additions on carbon fluxes in European conifer and broadleaf forests. Environmental Pollution, 2018, 238, 884-893.	7.5	29
106	Plant functional type affects nitrogen use efficiency in high-Arctic tundra. Soil Biology and Biochemistry, 2016, 94, 19-28.	8.8	28
107	Anthropogenic impacts on lowland tropical peatland biogeochemistry. Nature Reviews Earth & Environment, 2022, 3, 426-443.	29.7	28
108	Impeded drainage stimulates extracellular phenol oxidase activity in riparian peat cores. Soil Use and Management, 2008, 24, 357-365.	4.9	27

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109	Sporadic hotspots for physico-chemical retention of aquatic organic carbon: from peatland headwater source to sea. Aquatic Sciences, 2016, 78, 491-504.	1.5	27
110	Soilâ€“solution partitioning of <scp>DOC</scp> in acid organic soils: results from a <scp>UK</scp> field acidification and alkalization experiment. European Journal of Soil Science, 2013, 64, 787-796.	3.9	26
111	Spatial controls on dissolved organic carbon in upland waters inferred from a simple statistical model. Biogeochemistry, 2015, 123, 363-377.	3.5	26
112	Management effects on greenhouse gas dynamics in fen ditches. Science of the Total Environment, 2017, 578, 601-612.	8.0	26
113	Component flow processes at four streams in the Catskill Mountains, New York, analysed using episodic concentration/discharge relationships. Hydrological Processes, 1999, 13, 563-575.	2.6	25
114	Empirical realised niche models for British higher and lower plants - development and preliminary testing. Journal of Vegetation Science, 2010, 21, 643.	2.2	25
115	The impact of ditch blocking on the hydrological functioning of blanket peatlands. Hydrological Processes, 2017, 31, 525-539.	2.6	25
116	Surface water acidification in the South Pennines II. Temporal trends. Environmental Pollution, 2000, 109, 21-34.	7.5	24
117	A linked spatial and temporal model of the chemical and biological status of a large, acid-sensitive river network. Science of the Total Environment, 2006, 365, 167-185.	8.0	24
118	The response of dissolved organic carbon (DOC) and the ecosystem carbon balance to experimental drought in a temperate shrubland. European Journal of Soil Science, 2010, 61, 697-709.	3.9	24
119	The effect of peatland drainage and rewetting (ditch blocking) on extracellular enzyme activities and water chemistry. Soil Use and Management, 2015, 31, 67-76.	4.9	24
120	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 1541-1546.	2.4	23
121	Relationship between critical load exceedances and empirical impact indicators at Integrated Monitoring sites across Europe. Ecological Indicators, 2013, 24, 256-265.	6.3	23
122	Factors Affecting the Leaching of Dissolved Organic Carbon after Tree Dieback in an Unmanaged European Mountain Forest. Environmental Science & Technology, 2018, 52, 6291-6299.	10.0	23
123	Responsible agriculture must adapt to the wetland character of midâ€latitude peatlands. Global Change Biology, 2022, 28, 3795-3811.	9.5	23
124	Metrics for evaluating the ecological benefits of decreased nitrogen deposition. Biological Conservation, 2017, 212, 454-463.	4.1	22
125	Historical peat loss explains limited short-term response of drained blanket bogs to rewetting. Journal of Environmental Management, 2017, 188, 278-286.	7.8	20
126	Impacts of pollution and climate change on ombrotrophic Sphagnum species in the UK: analysis of uncertainties in two empirical niche models. Climate Research, 2010, 45, 163-177.	1.1	20

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127	A comparison of methods for estimating soil characteristics in regional acidification models; an application of the MAGIC model to Scotland. Hydrology and Earth System Sciences, 1998, 2, 509-520.	4.9	19
128	Groundwater nitrogen composition and transformation within a moorland catchment, mid-Wales. Science of the Total Environment, 2008, 390, 241-254.	8.0	19
129	Rapid immobilisation and leaching of wet-deposited nitrate in upland organic soils. Environmental Pollution, 2008, 156, 636-643.	7.5	19
130	Experimental simulation of the effects of extreme climatic events on major ions, acidity and dissolved organic carbon leaching from a forested catchment, GÃ¥rdsjÃ¶n, Sweden. Biogeochemistry, 2012, 107, 455-469.	3.5	19
131	Persistent surface water acidification in an organic soil-dominated upland region subject to high atmospheric deposition: The North York Moors, UK. Ecological Indicators, 2014, 37, 304-316.	6.3	19
132	Natural revegetation of bog pools after peatland restoration involving ditch blockingâ€"The influence of pool depth and implications for carbon cycling. Ecological Engineering, 2013, 57, 297-301.	3.6	18
133	Increased inorganic nitrogen leaching from a mountain grassland ecosystem following grazing removal: a hangover of past intensive land-use?. Biogeochemistry, 2014, 119, 125-138.	3.5	18
134	Time for responsible peatland agriculture. Science, 2016, 354, 562-562.	12.6	18
135	Linking monitoring and modelling: can long-term datasets be used more effectively as a basis for large-scale prediction?. Biogeochemistry, 2010, 101, 211-227.	3.5	17
136	Sustained Biogeochemical Impacts of Wildfire in a Mountain Lake Catchment. Ecosystems, 2017, 20, 813-829.	3.4	17
137	Predicting regional recovery from acidification; the MAGIC model applied to Scotland, England and Wales. Hydrology and Earth System Sciences, 1998, 2, 543-554.	4.9	16
138	Peatland ditch blocking has no effect on dissolved organic matter (<scp>DOM</scp>) quality. Hydrological Processes, 2018, 32, 3891-3906.	2.6	16
139	Peatland initiation and carbon accumulation in the Falkland Islands. Quaternary Science Reviews, 2019, 212, 213-218.	3.0	16
140	The full carbon balance of a rewetted cropland fen and a conservation-managed fen. Agriculture, Ecosystems and Environment, 2019, 269, 1-12.	5.3	16
141	Raising the groundwater table in the non-growing season can reduce greenhouse gas emissions and maintain crop productivity in cultivated fen peats. Journal of Cleaner Production, 2020, 262, 121179.	9.3	16
142	Monitoring Acid Waters in the UK: 1988â€"1998 Trends. Water, Air, and Soil Pollution, 2001, 130, 1307-1312.	2.4	15
143	Spatial and Seasonal Variations in Nitrogen Leaching and Acidity across Four Acid-impacted Regions of the UK. Water, Air, and Soil Pollution, 2007, 185, 3-19.	2.4	15
144	Quantifying dissolved organic carbon concentrations in upland catchments using phenolic proxy measurements. Journal of Hydrology, 2013, 477, 251-260.	5.4	15

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145	Extensive Remineralization of Peatlandâ€Derived Dissolved Organic Carbon and Ocean Acidification in the Sunda Shelf Sea, Southeast Asia. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017292.	2.6	15
146	Rising dissolved organic carbon concentrations in coastal waters of northwestern Borneo related to tropical peatland conversion. Science Advances, 2022, 8, eabi5688.	10.3	15
147	Modelling the impacts of a nitrogen pollution event on the biogeochemistry of an Arctic glacier. Annals of Glaciology, 2010, 51, 163-170.	1.4	14
148	Dominance of biologically produced nitrate in upland waters of Great Britain indicated by stable isotopes. Biogeochemistry, 2012, 111, 535-554.	3.5	14
149	Changes in Soil Dissolved Organic Carbon Affect Reconstructed History and Projected Future Trends in Surface Water Acidification. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	14
150	Niche models for British plants and lichens obtained using an ensemble approach. New Journal of Botany, 2015, 5, 89-100.	0.1	14
151	Methane and carbon dioxide fluxes from open and blocked ditches in a blanket bog. Plant and Soil, 2018, 424, 619-638.	3.7	13
152	The impact of ditch blocking on fluvial carbon export from a <scp>UK</scp> blanket bog. Hydrological Processes, 2018, 32, 2141-2154.	2.6	13
153	Zones of influence for soil organic matter dynamics: A conceptual framework for data and models. Global Change Biology, 2019, 25, 3996-4007.	9.5	13
154	Impact of water table levels and winter cover crops on greenhouse gas emissions from cultivated peat soils. Science of the Total Environment, 2020, 719, 135130.	8.0	13
155	A Novel Low-Cost, High-Resolution Camera System for Measuring Peat Subsidence and Water Table Dynamics. Frontiers in Environmental Science, 2021, 9, .	3.3	13
156	Contrasting Estuarine Processing of Dissolved Organic Matter Derived From Natural and Humanâ€Impacted Landscapes. Global Biogeochemical Cycles, 2021, 35, e2021GB007023.	4.9	12
157	Model inter-comparison between statistical and dynamic model assessments of the long-term stability of blanket peat in Great Britain (1940â€“2099). Climate Research, 2010, 45, 227-248.	1.1	12
158	Dynamics of dissolved organic matter in headwaters: comparison of headwater streams with contrasting DOM and nutrient composition. Aquatic Sciences, 2020, 82, 1.	1.5	11
159	Assessing the contribution of individual dissolved ions to depressions in acid neutralising capacity of streams in the adirondack and Catskill Mountains, New York. Water, Air, and Soil Pollution, 1995, 85, 425-432.	2.4	10
160	Modelling inorganic nitrogen in runoff: Seasonal dynamics at four European catchments as simulated by the MAGIC model. Science of the Total Environment, 2015, 536, 1019-1028.	8.0	10
161	Controls on the processing and fate of terrestrially-derived organic carbon in aquatic ecosystems: synthesis of special issue. Aquatic Sciences, 2016, 78, 415-418.	1.5	10
162	Conversion of Forest to Agriculture Increases Colored Dissolved Organic Matter in a Subtropical Catchment and Adjacent Coastal Environment. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006295.	3.0	10

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163	A Comparison of Loch Chemistry from 1955 and 1999 in the Cairngorms, N.E. Scotland. Water, Air and Soil Pollution, 2002, 2, 47-59.	0.8	9
164	Natural and Anthropogenic Changes in The Chemistry of Six UK Mountain Lakes, 1988 to 2000. Water, Air and Soil Pollution, 2002, 2, 33-46.	0.8	9
165	Resilience of upland soils to long term environmental changes. Geoderma, 2013, 197-198, 36-42.	5.1	9
166	Past acidification and recovery of surface waters, soils and ecology in the United Kingdom: Prospects for the future under current deposition and land use protocols. Ecological Indicators, 2014, 37, 381-395.	6.3	9
167	Validity of managing peatlands with fire. Nature Geoscience, 2019, 12, 884-885.	12.9	9
168	Falkland Island peatland development processes and the pervasive presence of fire. Quaternary Science Reviews, 2020, 240, 106391.	3.0	9
169	Dissolved and gaseous nitrogen losses in forests controlled by soil nutrient stoichiometry. Environmental Research Letters, 2021, 16, 064025.	5.2	9
170	The impact of wildfire on biogeochemical fluxes and water quality in boreal catchments. Biogeosciences, 2021, 18, 3243-3261.	3.3	9
171	A Conceptual Model of Spatially Heterogeneous Nitrogen Leaching from a Welsh Moorland Catchment. Water, Air and Soil Pollution, 2004, 4, 97-105.	0.8	8
172	The greenhouse gas (GHG) emissions associated with aquatic carbon removal during drinking water treatment. Aquatic Sciences, 2016, 78, 561-572.	1.5	8
173	Effects of acidity on dissolved organic carbon in organic soil extracts, pore water and surface litters. Science of the Total Environment, 2020, 703, 135585.	8.0	8
174	Freshwater Ecosystem Responses to Climate Change: The Euro-Limpacs Project. Water Quality Measurements Series, 0, , 313-354.	0.1	6
175	Application of a simple multiplicative spatio-temporal stream water quality model to the river Conwy, North Wales. Environmental Sciences: Processes and Impacts, 2014, 16, 1600-1607.	3.5	6
176	Nutrient Balance as a Tool for Maintaining Yield and Mitigating Environmental Impacts of Acacia Plantation in Drained Tropical Peatlandâ€"Description of Plantation Simulator. Forests, 2021, 12, 312.	2.1	6
177	Livestock-induced N2O emissions may limit the benefits of converting cropland to grazed grassland as a greenhouse gas mitigation strategy for agricultural peatlands. Resources, Conservation and Recycling, 2021, 174, 105764.	10.8	6
178	Constrained multivariate trend analysis applied to water quality variables. Environmetrics, 2002, 13, 43-53.	1.4	5
179	A conceptual model of spatially heterogeneous nitrogen leaching from a welsh moorland catchment. Water, Air and Soil Pollution, 2005, 4, 97-105.	0.8	5
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