

Chris D Evans

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

195
papers

10,447
citations

54
h-index

97
g-index

200
ext. papers

11,875
ext. citations

7.6
avg, IF

6.03
L-index

#	Paper	IF	Citations
195	Dissolved organic carbon trends resulting from changes in atmospheric deposition chemistry. <i>Nature</i> , 2007 , 450, 537-40	50.4	1206
194	Export of organic carbon from peat soils. <i>Nature</i> , 2001 , 412, 785	50.4	707
193	Long-term increases in surface water dissolved organic carbon: observations, possible causes and environmental impacts. <i>Environmental Pollution</i> , 2005 , 137, 55-71	9.3	689
192	Alternative explanations for rising dissolved organic carbon export from organic soils. <i>Global Change Biology</i> , 2006 , 12, 2044-2053	11.4	373
191	Causes of concentration/discharge hysteresis and its potential as a tool for analysis of episode hydrochemistry. <i>Water Resources Research</i> , 1998 , 34, 129-137	5.4	278
190	The impact of nitrogen deposition on carbon sequestration by European forests and heathlands. <i>Forest Ecology and Management</i> , 2009 , 258, 1814-1823	3.9	270
189	Trends in Dissolved Organic Carbon in UK Rivers and Lakes. <i>Biogeochemistry</i> , 2004 , 70, 369-402	3.8	211
188	Recovery from acidification in European surface waters. <i>Hydrology and Earth System Sciences</i> , 2001 , 5, 283-298	5.5	204
187	Deep instability of deforested tropical peatlands revealed by fluvial organic carbon fluxes. <i>Nature</i> , 2013 , 493, 660-3	50.4	203
186	Acidity controls on dissolved organic carbon mobility in organic soils. <i>Global Change Biology</i> , 2012 , 18, 3317-3331	11.4	184
185	Critical review of the impacts of grazing intensity on soil organic carbon storage and other soil quality indicators in extensively managed grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 253, 62-81	5.7	181
184	The importance of the relationship between scale and process in understanding long-term DOC dynamics. <i>Science of the Total Environment</i> , 2010 , 408, 2768-75	10.2	174
183	UK land use and soil carbon sequestration. <i>Land Use Policy</i> , 2009 , 26, S274-S283	5.6	150
182	REVIEW: The role of ecosystems and their management in regulating climate, and soil, water and air quality. <i>Journal of Applied Ecology</i> , 2013 , 50, 812-829	5.8	123
181	Trends in nitrogen deposition and leaching in acid-sensitive streams in Europe. <i>Hydrology and Earth System Sciences</i> , 2001 , 5, 299-310	5.5	118
180	Carbon balance of UK peatlands: current state of knowledge and future research challenges. <i>Climate Research</i> , 2010 , 45, 13-29	1.6	114
179	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. <i>Biogeochemistry</i> , 2008 , 91, 13-35	3.8	108

178	Response of sulphur dynamics in European catchments to decreasing sulphate deposition. <i>Hydrology and Earth System Sciences</i> , 2001 , 5, 311-326	5.5	107
177	Major changes in forest carbon and nitrogen cycling caused by declining sulphur deposition. <i>Global Change Biology</i> , 2011 , 17, 3115-3129	11.4	98
176	Evidence against recent climate-induced destabilisation of soil carbon from 14C analysis of riverine dissolved organic matter. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	97
175	Are temporal variations in the nitrate content of UK upland freshwaters linked to the North Atlantic Oscillation?. <i>Hydrological Processes</i> , 2000 , 14, 1745-1749	3.3	94
174	Summer drought effects upon soil and litter extracellular phenol oxidase activity and soluble carbon release in an upland Calluna heathland. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 1519-1532	7.5	92
173	Methane emissions from soils: synthesis and analysis of a large UK data set. <i>Global Change Biology</i> , 2012 , 18, 1657-1669	11.4	88
172	The United Kingdom Acid Waters Monitoring Network: a review of the first 15 years and introduction to the special issue. <i>Environmental Pollution</i> , 2005 , 137, 3-13	9.3	84
171	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. <i>Science of the Total Environment</i> , 2001 , 265, 115-29	10.2	84
170	Estimating changes in Scottish soil carbon stocks using ECOSSE. I. Model description and uncertainties. <i>Climate Research</i> , 2010 , 45, 179-192	1.6	80
169	Acidic episodes retard the biological recovery of upland British streams from chronic acidification. <i>Global Change Biology</i> , 2007 , 13, 2439-2452	11.4	79
168	Trends in the hydrochemistry of acid-sensitive surface waters in the UK 1988-2008. <i>Ecological Indicators</i> , 2014 , 37, 287-303	5.8	78
167	The rate of loss of dissolved organic carbon (DOC) through a catchment. <i>Journal of Hydrology</i> , 2013 , 492, 139-150	6	77
166	Summer drought decreases soil fungal diversity and associated phenol oxidase activity in upland Calluna heathland soil. <i>FEMS Microbiology Ecology</i> , 2008 , 66, 426-36	4.3	75
165	Fluvial organic carbon losses from a Bornean blackwater river. <i>Biogeosciences</i> , 2011 , 8, 901-909	4.6	74
164	Investing in nature: Developing ecosystem service markets for peatland restoration. <i>Ecosystem Services</i> , 2014 , 9, 54-65	6.1	73
163	Improving the link between payments and the provision of ecosystem services in agri-environment schemes. <i>Ecosystem Services</i> , 2014 , 9, 44-53	6.1	73
162	Use of dynamic soil-vegetation models to assess impacts of nitrogen deposition on plant species composition: an overview 2010 , 20, 60-79		72
161	Diel Surface Temperature Range Scales with Lake Size. <i>PLoS ONE</i> , 2016 , 11, e0152466	3.7	72

160	Hydrochloric acid: an overlooked driver of environmental change. <i>Environmental Science & Technology</i> , 2011 , 45, 1887-94	10.3	71
159	Increasing Iron Concentrations in UK Upland Waters. <i>Aquatic Geochemistry</i> , 2008 , 14, 263-288	1.7	71
158	Chemical trends at lakes and streams in the UK Acid Waters Monitoring Network, 1988-2000: Evidence for recent recovery at a national scale. <i>Hydrology and Earth System Sciences</i> , 2001 , 5, 351-366	5.5	71
157	Trends in surface water chemistry of acidified UK freshwaters, 1988-2002. <i>Environmental Pollution</i> , 2005 , 137, 27-39	9.3	70
156	Effects of storm events on mobilisation and in-stream processing of dissolved organic matter (DOM) in a Welsh peatland catchment. <i>Biogeochemistry</i> , 2010 , 99, 157-173	3.8	69
155	Variability in organic carbon reactivity across lake residence time and trophic gradients. <i>Nature Geoscience</i> , 2017 , 10, 832-835	18.3	68
154	Nitrogen, organic carbon and sulphur cycling in terrestrial ecosystems: linking nitrogen saturation to carbon limitation of soil microbial processes. <i>Biogeochemistry</i> , 2013 , 115, 33-51	3.8	68
153	Denial of long-term issues with agriculture on tropical peatlands will have devastating consequences. <i>Global Change Biology</i> , 2017 , 23, 977-982	11.4	67
152	Evidence that Soil Carbon Pool Determines Susceptibility of Semi-Natural Ecosystems to Elevated Nitrogen Leaching. <i>Ecosystems</i> , 2006 , 9, 453-462	3.9	66
151	The role of waterborne carbon in the greenhouse gas balance of drained and re-wetted peatlands. <i>Aquatic Sciences</i> , 2016 , 78, 573-590	2.5	63
150	Increased temperature sensitivity of net DOC production from ombrotrophic peat due to water table draw-down. <i>Global Change Biology</i> , 2009 , 15, 794-807	11.4	63
149	Carbon sequestration and biogeochemical cycling in a saltmarsh subject to coastal managed realignment. <i>Estuarine, Coastal and Shelf Science</i> , 2013 , 120, 12-20	2.9	60
148	Nitrate leaching as a confounding factor in chemical recovery from acidification in UK upland waters. <i>Environmental Pollution</i> , 2005 , 137, 73-82	9.3	60
147	Modelling the effect of climate change on recovery of acidified freshwaters: relative sensitivity of individual processes in the MAGIC model. <i>Science of the Total Environment</i> , 2006 , 365, 154-66	10.2	59
146	Reconstructing pre-acidification pH for an acidified Scottish loch: a comparison of palaeolimnological and modelling approaches. <i>Environmental Pollution</i> , 2005 , 137, 135-49	9.3	59
145	What Have Stable Isotope Studies Revealed About the Nature and Mechanisms of N Saturation and Nitrate Leaching from Semi-Natural Catchments?. <i>Ecosystems</i> , 2011 , 14, 1021-1037	3.9	58
144	Contrasting vulnerability of drained tropical and high-latitude peatlands to fluvial loss of stored carbon. <i>Global Biogeochemical Cycles</i> , 2014 , 28, 1215-1234	5.9	57
143	UV-visible absorbance spectroscopy as a proxy for peatland dissolved organic carbon (DOC) quantity and quality: considerations on wavelength and absorbance degradation. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 1445-61	4.3	56

142	Relationships between anthropogenic pressures and ecosystem functions in UK blanket bogs: Linking process understanding to ecosystem service valuation. <i>Ecosystem Services</i> , 2014 , 9, 5-19	6.1	54
141	Modelling the effects of climate change on an acidic upland stream. <i>Biogeochemistry</i> , 2005 , 74, 21-46	3.8	53
140	Rates and spatial variability of peat subsidence in Acacia plantation and forest landscapes in Sumatra, Indonesia. <i>Geoderma</i> , 2019 , 338, 410-421	6.7	52
139	Buffering of recovery from acidification by organic acids. <i>Science of the Total Environment</i> , 2008 , 404, 316-25	10.2	51
138	Widespread Increases in Iron Concentration in European and North American Freshwaters. <i>Global Biogeochemical Cycles</i> , 2017 , 31, 1488-1500	5.9	49
137	Terrestrial export of organic carbon. <i>Nature</i> , 2002 , 415, 862-862	50.4	49
136	Modelling nitrogen saturation and carbon accumulation in heathland soils under elevated nitrogen deposition. <i>Environmental Pollution</i> , 2006 , 143, 468-78	9.3	48
135	The role of catchment characteristics in determining surface water nitrogen in four upland regions in the UK. <i>Hydrology and Earth System Sciences</i> , 2007 , 11, 356-371	5.5	44
134	Are there signs of acidification reversal in freshwaters of the low mountain ranges in Germany?. <i>Hydrology and Earth System Sciences</i> , 2001 , 5, 367-378	5.5	44
133	Infilled Ditches are Hotspots of Landscape Methane Flux Following Peatland Re-wetting. <i>Ecosystems</i> , 2014 , 17, 1227-1241	3.9	42
132	Boreal forest riparian zones regulate stream sulfate and dissolved organic carbon. <i>Science of the Total Environment</i> , 2016 , 560-561, 110-22	10.2	41
131	Terrestrial dissolved organic matter distribution in the North Sea. <i>Science of the Total Environment</i> , 2018 , 630, 630-647	10.2	40
130	Modelling soil nitrogen: the MAGIC model with nitrogen retention linked to carbon turnover using decomposer dynamics. <i>Environmental Pollution</i> , 2012 , 165, 158-66	9.3	40
129	Long-term drainage for forestry inhibits extracellular phenol oxidase activity in Finnish boreal mire peat. <i>European Journal of Soil Science</i> , 2010 , 61, 950-957	3.4	40
128	Nitrogen deposition increases the acquisition of phosphorus and potassium by heather <i>Calluna vulgaris</i> . <i>Environmental Pollution</i> , 2008 , 155, 201-7	9.3	40
127	Can the heterogeneity in stream dissolved organic carbon be explained by contributing landscape elements?. <i>Biogeosciences</i> , 2014 , 11, 1199-1213	4.6	39
126	N14C: A plant-soil nitrogen and carbon cycling model to simulate terrestrial ecosystem responses to atmospheric nitrogen deposition. <i>Ecological Modelling</i> , 2012 , 247, 11-26	3	36
125	Identifying drivers of species compositional change in a semi-natural upland grassland over a 40-year period. <i>Journal of Vegetation Science</i> , 2011 , 22, 346-356	3.1	36

124	Vegetation Type Affects the Relationship Between Soil Carbon to Nitrogen Ratio and Nitrogen Leaching. <i>Water, Air, and Soil Pollution</i> , 2006 , 177, 335-347	2.6	36
123	Estimating changes in Scottish soil carbon stocks using ECOSSE. II. Application. <i>Climate Research</i> , 2010 , 45, 193-205	1.6	35
122	Balancing macronutrient stoichiometry to alleviate eutrophication. <i>Science of the Total Environment</i> , 2018 , 634, 439-447	10.2	34
121	The importance of small artificial water bodies as sources of methane emissions in Queensland, Australia. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 5281-5298	5.5	34
120	Spatial patterns and environmental constraints on ecosystem services at a catchment scale. <i>Science of the Total Environment</i> , 2016 , 572, 1586-1600	10.2	33
119	Surface water acidification in the South Pennines I. Current status and spatial variability. <i>Environmental Pollution</i> , 2000 , 109, 11-20	9.3	33
118	Transformations in DOC along a source to sea continuum; impacts of photo-degradation, biological processes and mixing. <i>Aquatic Sciences</i> , 2016 , 78, 433-446	2.5	32
117	Methane indicator values for peatlands: a comparison of species and functional groups. <i>Global Change Biology</i> , 2013 , 19, 1141-50	11.4	32
116	Effects of decreasing acid deposition and climate change on acid extremes in an upland stream. <i>Hydrology and Earth System Sciences</i> , 2008 , 12, 337-351	5.5	32
115	Predicting nitrogen and acidity effects on long-term dynamics of dissolved organic matter. <i>Environmental Pollution</i> , 2014 , 184, 271-82	9.3	31
114	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. <i>Limnology and Oceanography</i> , 2019 , 64, 2328-2340	4.8	29
113	Predicting sulphur and nitrogen deposition using a simple statistical method. <i>Atmospheric Environment</i> , 2016 , 140, 456-468	5.3	29
112	Overriding water table control on managed peatland greenhouse gas emissions. <i>Nature</i> , 2021 , 593, 548-554	5.4	29
111	Evaluating effects of land management on greenhouse gas fluxes and carbon balances in boreo-temperate lowland peatland systems. <i>Environmental Evidence</i> , 2014 , 3, 5	3.3	28
110	Investigations of freezing and cold storage for the analysis of peatland dissolved organic carbon (DOC) and absorbance properties. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 1290-301	4.3	27
109	Direct Impacts of Climate Change on Freshwater Ecosystems 2010 , 38-64		26
108	Quantifying terrestrial carbon stocks: examining the spatial variation in two upland areas in the UK and a comparison to mapped estimates of soil carbon. <i>Soil Use and Management</i> , 2009 , 25, 320-332	3.1	26
107	Impeded drainage stimulates extracellular phenol oxidase activity in riparian peat cores. <i>Soil Use and Management</i> , 2008 , 24, 357-365	3.1	25

106	Comparison of the impacts of acid and nitrogen additions on carbon fluxes in European conifer and broadleaf forests. <i>Environmental Pollution</i> , 2018 , 238, 884-893	9.3	24
105	Soil solution partitioning of DOC in acid organic soils: results from a UK field acidification and alkalization experiment. <i>European Journal of Soil Science</i> , 2013 , 64, 787-796	3.4	24
104	Modelling impacts of atmospheric deposition and temperature on long-term DOC trends. <i>Science of the Total Environment</i> , 2017 , 578, 323-336	10.2	24
103	Component flow processes at four streams in the Catskill Mountains, New York, analysed using episodic concentration/discharge relationships. <i>Hydrological Processes</i> , 1999 , 13, 563-575	3.3	24
102	Is the Enzyme latch or Iron gate the key to protecting soil organic carbon in peatlands?. <i>Geoderma</i> , 2019 , 349, 107-113	6.7	23
101	Plant functional type affects nitrogen use efficiency in high-Arctic tundra. <i>Soil Biology and Biochemistry</i> , 2016 , 94, 19-28	7.5	23
100	Sporadic hotspots for physico-chemical retention of aquatic organic carbon: from peatland headwater source to sea. <i>Aquatic Sciences</i> , 2016 , 78, 491-504	2.5	23
99	Can on-site management mitigate nitrogen deposition impacts in non-wooded habitats?. <i>Biological Conservation</i> , 2017 , 212, 464-475	6.2	22
98	Long-term nitrogen deposition increases heathland carbon sequestration. <i>Science of the Total Environment</i> , 2017 , 592, 426-435	10.2	22
97	Spatial controls on dissolved organic carbon in upland waters inferred from a simple statistical model. <i>Biogeochemistry</i> , 2015 , 123, 363-377	3.8	22
96	Assessing recovery from acidification of European surface waters in the year 2010: evaluation of projections made with the MAGIC model in 1995. <i>Environmental Science & Technology</i> , 2014 , 48, 13280-8	10.3	22
95	Surface water acidification in the South Pennines II. Temporal trends. <i>Environmental Pollution</i> , 2000 , 109, 21-34	9.3	22
94	Quantifying tropical peatland dissolved organic carbon (DOC) using UV-visible spectroscopy. <i>Water Research</i> , 2017 , 115, 229-235	12.5	21
93	Impact of forest plantation on methane emissions from tropical peatland. <i>Global Change Biology</i> , 2020 , 26, 2477	11.4	21
92	Microbial utilization of low molecular weight organic carbon substrates in cultivated peats in response to warming and soil degradation. <i>Soil Biology and Biochemistry</i> , 2019 , 139, 107629	7.5	21
91	Effect of restoration on saltmarsh carbon accumulation in Eastern England. <i>Biology Letters</i> , 2019 , 15, 20180773	3.6	20
90	Empirical realised niche models for British higher and lower plants development and preliminary testing. <i>Journal of Vegetation Science</i> , 2010 , 21, 643	3.1	20
89	A linked spatial and temporal model of the chemical and biological status of a large, acid-sensitive river network. <i>Science of the Total Environment</i> , 2006 , 365, 167-85	10.2	20

88	The effect of peatland drainage and rewetting (ditch blocking) on extracellular enzyme activities and water chemistry. <i>Soil Use and Management</i> , 2015 , 31, 67-76	3.1	19
87	Derivation of greenhouse gas emission factors for peatlands managed for extraction in the Republic of Ireland and the United Kingdom. <i>Biogeosciences</i> , 2015 , 12, 5291-5308	4.6	19
86	The response of dissolved organic carbon (DOC) and the ecosystem carbon balance to experimental drought in a temperate shrubland. <i>European Journal of Soil Science</i> , 2010 , 61, 697-709	3.4	19
85	Rapid immobilisation and leaching of wet-deposited nitrate in upland organic soils. <i>Environmental Pollution</i> , 2008 , 156, 636-43	9.3	19
84	Assessing the Suitability of Acid Neutralising Capacity as a Measure of Long-Term Trends in Acidic Waters Based on Two Parallel Datasets. <i>Water, Air, and Soil Pollution</i> , 2001 , 130, 1541-1546	2.6	19
83	A comparison of methods for estimating soil characteristics in regional acidification models; an application of the MAGIC model to Scotland. <i>Hydrology and Earth System Sciences</i> , 1998 , 2, 509-520	5.5	19
82	Misinterpreting carbon accumulation rates in records from near-surface peat. <i>Scientific Reports</i> , 2019 , 9, 17939	4.9	19
81	Persistent surface water acidification in an organic soil-dominated upland region subject to high atmospheric deposition: The North York Moors, UK. <i>Ecological Indicators</i> , 2014 , 37, 304-316	5.8	18
80	Relationship between critical load exceedances and empirical impact indicators at Integrated Monitoring sites across Europe. <i>Ecological Indicators</i> , 2013 , 24, 256-265	5.8	18
79	Unified concepts for understanding and modelling turnover of dissolved organic matter from freshwaters to the ocean: the UniDOM model. <i>Biogeochemistry</i> , 2019 , 146, 105-123	3.8	18
78	Groundwater nitrogen composition and transformation within a moorland catchment, mid-Wales. <i>Science of the Total Environment</i> , 2008 , 390, 241-54	10.2	17
77	Fluvial organic carbon fluxes from oil palm plantations on tropical peatland. <i>Biogeosciences</i> , 2018 , 15, 7435-7450	4.6	17
76	Metrics for evaluating the ecological benefits of decreased nitrogen deposition. <i>Biological Conservation</i> , 2017 , 212, 454-463	6.2	16
75	Experimental simulation of the effects of extreme climatic events on major ions, acidity and dissolved organic carbon leaching from a forested catchment, Gårdsjö, Sweden. <i>Biogeochemistry</i> , 2012 , 107, 455-469	3.8	16
74	Predicting regional recovery from acidification; the MAGIC model applied to Scotland, England and Wales. <i>Hydrology and Earth System Sciences</i> , 1998 , 2, 543-554	5.5	16
73	The impact of ditch blocking on the hydrological functioning of blanket peatlands. <i>Hydrological Processes</i> , 2017 , 31, 525-539	3.3	15
72	Increased inorganic nitrogen leaching from a mountain grassland ecosystem following grazing removal: a hangover of past intensive land-use?. <i>Biogeochemistry</i> , 2014 , 119, 125-138	3.8	15
71	Quantifying dissolved organic carbon concentrations in upland catchments using phenolic proxy measurements. <i>Journal of Hydrology</i> , 2013 , 477, 251-260	6	14

70	Linking monitoring and modelling: can long-term datasets be used more effectively as a basis for large-scale prediction?. <i>Biogeochemistry</i> , 2010 , 101, 211-227	3.8	14
69	Monitoring Acid Waters in the UK: 1988-1998 Trends. <i>Water, Air, and Soil Pollution</i> , 2001 , 130, 1307-1312	2.6	14
68	Impacts of pollution and climate change on ombrotrophic Sphagnum species in the UK: analysis of uncertainties in two empirical niche models. <i>Climate Research</i> , 2010 , 45, 163-177	1.6	14
67	Historical peat loss explains limited short-term response of drained blanket bogs to rewetting. <i>Journal of Environmental Management</i> , 2017 , 188, 278-286	7.9	13
66	Time for responsible peatland agriculture. <i>Science</i> , 2016 , 354, 562	33.3	13
65	Changes in Soil Dissolved Organic Carbon Affect Reconstructed History and Projected Future Trends in Surface Water Acidification. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	13
64	Dominance of biologically produced nitrate in upland waters of Great Britain indicated by stable isotopes. <i>Biogeochemistry</i> , 2012 , 111, 535-554	3.8	13
63	Modelling the impacts of a nitrogen pollution event on the biogeochemistry of an Arctic glacier. <i>Annals of Glaciology</i> , 2010 , 51, 163-170	2.5	13
62	Natural revegetation of bog pools after peatland restoration involving ditch blocking—the influence of pool depth and implications for carbon cycling. <i>Ecological Engineering</i> , 2013 , 57, 297-301	3.9	12
61	Spatial and Seasonal Variations in Nitrogen Leaching and Acidity across Four Acid-impacted Regions of the UK. <i>Water, Air, and Soil Pollution</i> , 2007 , 185, 3-19	2.6	12
60	Methane and carbon dioxide fluxes from open and blocked ditches in a blanket bog. <i>Plant and Soil</i> , 2018 , 424, 619-638	4.2	11
59	Factors Affecting the Leaching of Dissolved Organic Carbon after Tree Dieback in an Unmanaged European Mountain Forest. <i>Environmental Science & Technology</i> , 2018 , 52, 6291-6299	10.3	11
58	Sustained Biogeochemical Impacts of Wildfire in a Mountain Lake Catchment. <i>Ecosystems</i> , 2017 , 20, 813-829	3.9	11
57	Management effects on greenhouse gas dynamics in fen ditches. <i>Science of the Total Environment</i> , 2017 , 578, 601-612	10.2	11
56	Modelling inorganic nitrogen in runoff: Seasonal dynamics at four European catchments as simulated by the MAGIC model. <i>Science of the Total Environment</i> , 2015 , 536, 1019-1028	10.2	10
55	Conservation slows down emission increase from a tropical peatland in Indonesia. <i>Nature Geoscience</i> , 2021 , 14, 484-490	18.3	10
54	The full carbon balance of a rewetted cropland fen and a conservation-managed fen. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 269, 1-12	5.7	10
53	Peatland initiation and carbon accumulation in the Falkland Islands. <i>Quaternary Science Reviews</i> , 2019 , 212, 213-218	3.9	9

52	Niche models for British plants and lichens obtained using an ensemble approach. <i>New Journal of Botany</i> , 2015 , 5, 89-100		9
51	Assessing the contribution of individual dissolved ions to depressions in acid neutralising capacity of streams in the adirondack and Catskill Mountains, New York. <i>Water, Air, and Soil Pollution</i> , 1995 , 85, 425-432	2.6	9
50	Model inter-comparison between statistical and dynamic model assessments of the long-term stability of blanket peat in Great Britain (1940-2009). <i>Climate Research</i> , 2010 , 45, 227-248	1.6	9
49	Global importance of methane emissions from drainage ditches and canals. <i>Environmental Research Letters</i> , 2021 , 16, 044010	6.2	9
48	Controls on the processing and fate of terrestrially-derived organic carbon in aquatic ecosystems: synthesis of special issue. <i>Aquatic Sciences</i> , 2016 , 78, 415-418	2.5	8
47	The impact of ditch blocking on fluvial carbon export from a UK blanket bog. <i>Hydrological Processes</i> , 2018 , 32, 2141-2154	3.3	8
46	Resilience of upland soils to long term environmental changes. <i>Geoderma</i> , 2013 , 197-198, 36-42	6.7	8
45	A Conceptual Model of Spatially Heterogeneous Nitrogen Leaching from a Welsh Moorland Catchment. <i>Water, Air and Soil Pollution</i> , 2004 , 4, 97-105		8
44	Impact of water table levels and winter cover crops on greenhouse gas emissions from cultivated peat soils. <i>Science of the Total Environment</i> , 2020 , 719, 135130	10.2	8
43	Raising the groundwater table in the non-growing season can reduce greenhouse gas emissions and maintain crop productivity in cultivated fen peats. <i>Journal of Cleaner Production</i> , 2020 , 262, 121179	10.3	8
42	Small artificial waterbodies are widespread and persistent emitters of methane and carbon dioxide. <i>Global Change Biology</i> , 2021 , 27, 5109-5123	11.4	8
41	Dynamics of dissolved organic matter in headwaters: comparison of headwater streams with contrasting DOM and nutrient composition. <i>Aquatic Sciences</i> , 2020 , 82, 1	2.5	7
40	Zones of influence for soil organic matter dynamics: A conceptual framework for data and models. <i>Global Change Biology</i> , 2019 , 25, 3996-4007	11.4	7
39	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. <i>Ecological Indicators</i> , 2014 , 37, 381-395	5.8	7
38	A Comparison of Loch Chemistry from 1955 and 1999 in the Cairngorms, N.E. Scotland. <i>Water, Air and Soil Pollution</i> , 2002 , 2, 47-59		7
37	Effects of decreasing acid deposition and climate change on acid extremes in an upland stream		7
36	Cleaner air reveals growing influence of climate on dissolved organic carbon trends in northern headwaters. <i>Environmental Research Letters</i> , 2021 , 16, 104009	6.2	7
35	The greenhouse gas (GHG) emissions associated with aquatic carbon removal during drinking water treatment. <i>Aquatic Sciences</i> , 2016 , 78, 561-572	2.5	6

34	Application of a simple multiplicative spatio-temporal stream water quality model to the river Conwy, North Wales. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 1600-7	4.3	6
33	Natural and Anthropogenic Changes in The Chemistry of Six UK Mountain Lakes, 1988 to 2000. <i>Water, Air and Soil Pollution</i> , 2002 , 2, 33-46		6
32	A Novel Low-Cost, High-Resolution Camera System for Measuring Peat Subsidence and Water Table Dynamics. <i>Frontiers in Environmental Science</i> , 2021 , 9,	4.8	6
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