Chris D Evans

List of Publications by Year in Descending Order

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	Rising dissolved organic carbon concentrations in coastal waters of northwestern Borneo related to tropical peatland conversion.. *Science Advances*, **2022**, 8, eabi5688	14.3	1
194	A Novel Low-Cost, High-Resolution Camera System for Measuring Peat Subsidence and Water Table Dynamics. *Frontiers in Environmental Science*, **2021**, 9,	4.8	6
193	Global importance of methane emissions from drainage ditches and canals. *Environmental Research Letters*, **2021**, 16, 044010	6.2	9
192	Overriding water table control on managed peatland greenhouse gas emissions. *Nature*, **2021**, 593, 548-552	3.4	29
191	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	3.7	0
190	The impact of wildfire on biogeochemical fluxes and water quality in boreal catchments. *Biogeosciences*, **2021**, 18, 3243-3261	4.6	1
189	Extensive Remineralization of Peatland-Derived Dissolved Organic Carbon and Ocean Acidification in the Sunda Shelf Sea, Southeast Asia. *Journal of Geophysical Research: Oceans*, **2021**, 126, e2021JC017292	3.3	3
188	Small artificial waterbodies are widespread and persistent emitters of methane and carbon dioxide. *Global Change Biology*, **2021**, 27, 5109-5123	11.4	8
187	Conservation slows down emission increase from a tropical peatland in Indonesia. *Nature Geoscience*, **2021**, 14, 484-490	18.3	10
186	Nutrient Balance as a Tool for Maintaining Yield and Mitigating Environmental Impacts of Acacia Plantation in Drained Tropical PeatlandDescription of Plantation Simulator. *Forests*, **2021**, 12, 312	2.8	2
185	Linking ecosystem changes to their social outcomes: Lost in translation. *Ecosystem Services*, **2021**, 50, 101327	6.1	0
184	Cleaner air reveals growing influence of climate on dissolved organic carbon trends in northern headwaters. *Environmental Research Letters*, **2021**, 16, 104009	6.2	7
183	Contrasting Estuarine Processing of Dissolved Organic Matter Derived From Natural and Human-Impacted Landscapes. *Global Biogeochemical Cycles*, **2021**, 35, e2021GB007023	5.9	2
182	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	11.9	1
181	Falkland Island peatland development processes and the pervasive presence of fire. *Quaternary Science Reviews*, **2020**, 240, 106391	3.9	5
180	Dynamics of dissolved organic matter in headwaters: comparison of headwater streams with contrasting DOM and nutrient composition. *Aquatic Sciences*, **2020**, 82, 1	2.5	7
179	Impact of forest plantation on methane emissions from tropical peatland. *Global Change Biology*, **2020**, 26, 2477	11.4	21

178	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	10.2	8
177	Effects of acidity on dissolved organic carbon in organic soil extracts, pore water and surface litters. *Science of the Total Environment*, **2020**, 703, 135585	10.2	5
176	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	10.3	8
175	Validity of managing peatlands with fire. *Nature Geoscience*, **2019**, 12, 884-885	18.3	5
174	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	4.8	29
173	Is the □enzyme latch□ or □iron gate□ the key to protecting soil organic carbon in peatlands?. *Geoderma* , **2019**, 349, 107-113	6.7	23
172	Peatland initiation and carbon accumulation in the Falkland Islands. *Quaternary Science Reviews*, **2019**, 212, 213-218	3.9	9
171	Effect of restoration on saltmarsh carbon accumulation in Eastern England. *Biology Letters*, **2019**, 15, 20180773	3.6	20
170	Dynamic Modeling and Target Loads of Sulfur and Nitrogen for Surface Waters in Finland, Norway, Sweden, and the United Kingdom. *Environmental Science & Technology*, **2019**, 53, 5062-5070	10.3	5
169	Zones of influence for soil organic matter dynamics: A conceptual framework for data and models. *Global Change Biology*, **2019**, 25, 3996-4007	11.4	7
168	Comment on: □eatland carbon stocks and burn history: Blanket bog peat core evidence highlights charcoal impacts on peat physical properties and long-term carbon storage,□by A. Heinemeyer, Q. Asena, W. L. Burn and A. L. Jones (Geo: Geography and Environment 2018; e00063). *Geo: Geography and Environment*, **2019**, 6, e00075	0.7	2
167	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	7.5	21
166	Misinterpreting carbon accumulation rates in records from near-surface peat. *Scientific Reports*, **2019**, 9, 17939	4.9	19
165	Unified concepts for understanding and modelling turnover of dissolved organic matter from freshwaters to the ocean: the UniDOM model. *Biogeochemistry*, **2019**, 146, 105-123	3.8	18
164	Rates and spatial variability of peat subsidence in Acacia plantation and forest landscapes in Sumatra, Indonesia. *Geoderma*, **2019**, 338, 410-421	6.7	52
163	The full carbon balance of a rewetted cropland fen and a conservation-managed fen. *Agriculture, Ecosystems and Environment*, **2019**, 269, 1-12	5.7	10
162	Terrestrial dissolved organic matter distribution in the North Sea. *Science of the Total Environment*, **2018**, 630, 630-647	10.2	40
161	Comparison of the impacts of acid and nitrogen additions on carbon fluxes in European conifer and broadleaf forests. *Environmental Pollution*, **2018**, 238, 884-893	9.3	24

160	Balancing macronutrient stoichiometry to alleviate eutrophication. *Science of the Total Environment* , **2018**, 634, 439-447	10.2	34
159	Methane and carbon dioxide fluxes from open and blocked ditches in a blanket bog. *Plant and Soil*, **2018**, 424, 619-638	4.2	11
158	Factors Affecting the Leaching of Dissolved Organic Carbon after Tree Dieback in an Unmanaged European Mountain Forest. *Environmental Science & Technology*, **2018**, 52, 6291-6299	10.3	11
157	The impact of ditch blocking on fluvial carbon export from a UK blanket bog. *Hydrological Processes*, **2018**, 32, 2141-2154	3.3	8
156	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	5.7	181
155	Fluvial organic carbon fluxes from oil palm plantations on tropical peatland. *Biogeosciences*, **2018**, 15, 7435-7450	4.6	17
154	Peatland ditch blocking has no effect on dissolved organic matter (DOM) quality. *Hydrological Processes*, **2018**, 32, 3891-3906	3.3	5
153	The importance of small artificial water bodies as sources of methane emissions in Queensland, Australia. *Hydrology and Earth System Sciences*, **2018**, 22, 5281-5298	5.5	34
152	Can on-site management mitigate nitrogen deposition impacts in non-wooded habitats?. *Biological Conservation*, **2017**, 212, 464-475	6.2	22
151	Historical peat loss explains limited short-term response of drained blanket bogs to rewetting. *Journal of Environmental Management*, **2017**, 188, 278-286	7.9	13
150	Metrics for evaluating the ecological benefits of decreased nitrogen deposition. *Biological Conservation*, **2017**, 212, 454-463	6.2	16
149	Managing for nitrogen, the lesser of two evils. A response to Maes et al.. *Biological Conservation*, **2017**, 212, 495-496	6.2	
148	Long-term nitrogen deposition increases heathland carbon sequestration. *Science of the Total Environment*, **2017**, 592, 426-435	10.2	22
147	Quantifying tropical peatland dissolved organic carbon (DOC) using UV-visible spectroscopy. *Water Research*, **2017**, 115, 229-235	12.5	21
146	Widespread Increases in Iron Concentration in European and North American Freshwaters. *Global Biogeochemical Cycles*, **2017**, 31, 1488-1500	5.9	49
145	Variability in organic carbon reactivity across lake residence time and trophic gradients. *Nature Geoscience*, **2017**, 10, 832-835	18.3	68
144	Sustained Biogeochemical Impacts of Wildfire in a Mountain Lake Catchment. *Ecosystems*, **2017**, 20, 813-829	3.9	11
143	Modelling impacts of atmospheric deposition and temperature on long-term DOC trends. *Science of the Total Environment*, **2017**, 578, 323-336	10.2	24

142	Management effects on greenhouse gas dynamics in fen ditches. *Science of the Total Environment*, **2017**, 578, 601-612	10.2	11
141	Denial of long-term issues with agriculture on tropical peatlands will have devastating consequences. *Global Change Biology*, **2017**, 23, 977-982	11.4	67
140	The impact of ditch blocking on the hydrological functioning of blanket peatlands. *Hydrological Processes*, **2017**, 31, 525-539	3.3	15
139	Predicting sulphur and nitrogen deposition using a simple statistical method. *Atmospheric Environment*, **2016**, 140, 456-468	5.3	29
138	Time for responsible peatland agriculture. *Science*, **2016**, 354, 562	33.3	13
137	Transformations in DOC along a source to sea continuum; impacts of photo-degradation, biological processes and mixing. *Aquatic Sciences*, **2016**, 78, 433-446	2.5	32
136	Controls on the processing and fate of terrestrially-derived organic carbon in aquatic ecosystems: synthesis of special issue. *Aquatic Sciences*, **2016**, 78, 415-418	2.5	8
135	Spatial patterns and environmental constraints on ecosystem services at a catchment scale. *Science of the Total Environment*, **2016**, 572, 1586-1600	10.2	33
134	Plant functional type affects nitrogen use efficiency in high-Arctic tundra. *Soil Biology and Biochemistry*, **2016**, 94, 19-28	7.5	23
133	The greenhouse gas (GHG) emissions associated with aquatic carbon removal during drinking water treatment. *Aquatic Sciences*, **2016**, 78, 561-572	2.5	6
132	The role of waterborne carbon in the greenhouse gas balance of drained and re-wetted peatlands. *Aquatic Sciences*, **2016**, 78, 573-590	2.5	63
131	Diel Surface Temperature Range Scales with Lake Size. *PLoS ONE*, **2016**, 11, e0152466	3.7	72
130	Sporadic hotspots for physico-chemical retention of aquatic organic carbon: from peatland headwater source to sea. *Aquatic Sciences*, **2016**, 78, 491-504	2.5	23
129	Boreal forest riparian zones regulate stream sulfate and dissolved organic carbon. *Science of the Total Environment*, **2016**, 560-561, 110-22	10.2	41
128	The effect of peatland drainage and rewetting (ditch blocking) on extracellular enzyme activities and water chemistry. *Soil Use and Management*, **2015**, 31, 67-76	3.1	19
127	Dynamic Geochemical Models to Assess Deposition Impacts and Target Loads of Acidity for Soils and Surface Waters. *Environmental Pollution*, **2015**, 225-251	0	3
126	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	10.2	10
125	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	4.6	19

124	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, 1290-301	4.3	27
123	Niche models for British plants and lichens obtained using an ensemble approach. *New Journal of Botany*, **2015**, 5, 89-100		9
122	Spatial controls on dissolved organic carbon in upland waters inferred from a simple statistical model. *Biogeochemistry*, **2015**, 123, 363-377	3.8	22
121	Relationships between anthropogenic pressures and ecosystem functions in UK blanket bogs: Linking process understanding to ecosystem service valuation. *Ecosystem Services*, **2014**, 9, 5-19	6.1	54
120	Application of a simple multiplicative spatio-temporal stream water quality model to the river Conwy, North Wales. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 1600-7	4.3	6
119	Investing in nature: Developing ecosystem service markets for peatland restoration. *Ecosystem Services*, **2014**, 9, 54-65	6.1	73
118	Improving the link between payments and the provision of ecosystem services in agri-environment schemes. *Ecosystem Services*, **2014**, 9, 44-53	6.1	73
117	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	2.6	13
116	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, 1445-61	4.3	56
115	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	5.8	18
114	Trends in the hydrochemistry of acid-sensitive surface waters in the UK 1988–2008. *Ecological Indicators*, **2014**, 37, 287-303	5.8	78
113	Predicting nitrogen and acidity effects on long-term dynamics of dissolved organic matter. *Environmental Pollution*, **2014**, 184, 271-82	9.3	31
112	Can the heterogeneity in stream dissolved organic carbon be explained by contributing landscape elements?. *Biogeosciences*, **2014**, 11, 1199-1213	4.6	39
111	Contrasting vulnerability of drained tropical and high-latitude peatlands to fluvial loss of stored carbon. *Global Biogeochemical Cycles*, **2014**, 28, 1215-1234	5.9	57
110	Infilled Ditches are Hotspots of Landscape Methane Flux Following Peatland Re-wetting. *Ecosystems*, **2014**, 17, 1227-1241	3.9	42
109	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, 13280-8	10.3	22
108	Evaluating effects of land management on greenhouse gas fluxes and carbon balances in boreo-temperate lowland peatland systems. *Environmental Evidence*, **2014**, 3, 5	3.3	28
107	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	5.8	7

106	Increased inorganic nitrogen leaching from a mountain grassland ecosystem following grazing removal: a hangover of past intensive land-use?. *Biogeochemistry*, **2014**, 119, 125-138	3.8	15
105	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	5.8	123
104	Carbon sequestration and biogeochemical cycling in a saltmarsh subject to coastal managed realignment. *Estuarine, Coastal and Shelf Science*, **2013**, 120, 12-20	2.9	60
103	Nitrogen, organic carbon and sulphur cycling in terrestrial ecosystems: linking nitrogen saturation to carbon limitation of soil microbial processes. *Biogeochemistry*, **2013**, 115, 33-51	3.8	68
102	Soil solution partitioning of DOC in acid organic soils: results from a UK field acidification and alkalization experiment. *European Journal of Soil Science*, **2013**, 64, 787-796	3.4	24
101	Resilience of upland soils to long term environmental changes. *Geoderma*, **2013**, 197-198, 36-42	6.7	8
100	Natural revegetation of bog pools after peatland restoration involving ditch blocking: The influence of pool depth and implications for carbon cycling. *Ecological Engineering*, **2013**, 57, 297-301	3.9	12
99	Methane indicator values for peatlands: a comparison of species and functional groups. *Global Change Biology*, **2013**, 19, 1141-50	11.4	32
98	Relationship between critical load exceedances and empirical impact indicators at Integrated Monitoring sites across Europe. *Ecological Indicators*, **2013**, 24, 256-265	5.8	18
97	Quantifying dissolved organic carbon concentrations in upland catchments using phenolic proxy measurements. *Journal of Hydrology*, **2013**, 477, 251-260	6	14
96	The rate of loss of dissolved organic carbon (DOC) through a catchment. *Journal of Hydrology*, **2013**, 492, 139-150	6	77
95	Deep instability of deforested tropical peatlands revealed by fluvial organic carbon fluxes. *Nature*, **2013**, 493, 660-3	50.4	203
94	Comment on "Soil CO₂, CH₄ and N₂O fluxes from an afforested lowland raised peat bog in Scotland: implications for drainage and restoration" by Yamulki et al. (2013). *Biogeosciences*, **2013**, 10, 7623-7630	4.6	3
93	Modelling soil nitrogen: the MAGIC model with nitrogen retention linked to carbon turnover using decomposer dynamics. *Environmental Pollution*, **2012**, 165, 158-66	9.3	40
92	Experimental simulation of the effects of extreme climatic events on major ions, acidity and dissolved organic carbon leaching from a forested catchment, Gårdsjön, Sweden. *Biogeochemistry*, **2012**, 107, 455-469	3.8	16
91	Acidity controls on dissolved organic carbon mobility in organic soils. *Global Change Biology*, **2012**, 18, 3317-3331	11.4	184
90	Dominance of biologically produced nitrate in upland waters of Great Britain indicated by stable isotopes. *Biogeochemistry*, **2012**, 111, 535-554	3.8	13
89	N14C: A plant soil nitrogen and carbon cycling model to simulate terrestrial ecosystem responses to atmospheric nitrogen deposition. *Ecological Modelling*, **2012**, 247, 11-26	3	36

88	Methane emissions from soils: synthesis and analysis of a large UK data set. *Global Change Biology*, **2012**, 18, 1657-1669	11.4	88
87	Fluvial organic carbon losses from a Bornean blackwater river. *Biogeosciences*, **2011**, 8, 901-909	4.6	74
86	Major changes in forest carbon and nitrogen cycling caused by declining sulphur deposition. *Global Change Biology*, **2011**, 17, 3115-3129	11.4	98
85	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	3.1	36
84	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	3.9	58
83	Hydrochloric acid: an overlooked driver of environmental change. *Environmental Science & Technology*, **2011**, 45, 1887-94	10.3	71
82	Empirical realised niche models for British higher and lower plants development and preliminary testing. *Journal of Vegetation Science*, **2010**, 21, 643	3.1	20
81	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	3.4	19
80	Long-term drainage for forestry inhibits extracellular phenol oxidase activity in Finnish boreal mire peat. *European Journal of Soil Science*, **2010**, 61, 950-957	3.4	40
79	Use of dynamic soil-vegetation models to assess impacts of nitrogen deposition on plant species composition: an overview **2010**, 20, 60-79		72
78	Direct Impacts of Climate Change on Freshwater Ecosystems **2010**, 38-64		26
77	Interaction of Climate Change and Acid Deposition **2010**, 152-179		5
76	Modelling the impacts of a nitrogen pollution event on the biogeochemistry of an Arctic glacier. *Annals of Glaciology*, **2010**, 51, 163-170	2.5	13
75	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	3.8	69
74	Linking monitoring and modelling: can long-term datasets be used more effectively as a basis for large-scale prediction?. *Biogeochemistry*, **2010**, 101, 211-227	3.8	14
73	The importance of the relationship between scale and process in understanding long-term DOC dynamics. *Science of the Total Environment*, **2010**, 408, 2768-75	10.2	174
72	Estimating changes in Scottish soil carbon stocks using ECOSSE. I. Model description and uncertainties. *Climate Research*, **2010**, 45, 179-192	1.6	80
71	Estimating changes in Scottish soil carbon stocks using ECOSSE. II. Application. *Climate Research*, **2010**, 45, 193-205	1.6	35

70	Carbon balance of UK peatlands: current state of knowledge and future research challenges. *Climate Research*, **2010**, 45, 13-29	1.6	114
69	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	1.6	14
68	Model inter-comparison between statistical and dynamic model assessments of the long-term stability of blanket peat in Great Britain (1940–2099). *Climate Research*, **2010**, 45, 227-248	1.6	9
67	Increased temperature sensitivity of net DOC production from ombrotrophic peat due to water table draw-down. *Global Change Biology*, **2009**, 15, 794-807	11.4	63
66	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	3.1	26
65	The impact of nitrogen deposition on carbon sequestration by European forests and heathlands. *Forest Ecology and Management*, **2009**, 258, 1814-1823	3.9	270
64	UK land use and soil carbon sequestration. *Land Use Policy*, **2009**, 26, S274-S283	5.6	150
63	Impeded drainage stimulates extracellular phenol oxidase activity in riparian peat cores. *Soil Use and Management*, **2008**, 24, 357-365	3.1	25
62	Groundwater nitrogen composition and transformation within a moorland catchment, mid-Wales. *Science of the Total Environment*, **2008**, 390, 241-54	10.2	17
61	Buffering of recovery from acidification by organic acids. *Science of the Total Environment*, **2008**, 404, 316-25	10.2	51
60	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	7.5	92
59	Nitrogen deposition increases the acquisition of phosphorus and potassium by heather Calluna vulgaris. *Environmental Pollution*, **2008**, 155, 201-7	9.3	40
58	Rapid immobilisation and leaching of wet-deposited nitrate in upland organic soils. *Environmental Pollution*, **2008**, 156, 636-43	9.3	19
57	Effects of decreasing acid deposition and climate change on acid extremes in an upland stream. *Hydrology and Earth System Sciences*, **2008**, 12, 337-351	5.5	32
56	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	3.8	108
55	Increasing Iron Concentrations in UK Upland Waters. *Aquatic Geochemistry*, **2008**, 14, 263-288	1.7	71
54	Summer drought decreases soil fungal diversity and associated phenol oxidase activity in upland Calluna heathland soil. *FEMS Microbiology Ecology*, **2008**, 66, 426-36	4.3	75
53	Evidence against recent climate-induced destabilisation of soil carbon from 14C analysis of riverine dissolved organic matter. *Geophysical Research Letters*, **2007**, 34,	4.9	97

52	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	5.5	44
51	Dissolved organic carbon trends resulting from changes in atmospheric deposition chemistry. *Nature*, **2007**, 450, 537-40	50.4	1206
50	Acidic episodes retard the biological recovery of upland British streams from chronic acidification. *Global Change Biology*, **2007**, 13, 2439-2452	11.4	79
49	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	2.6	12
48	Acidification of Lochnagar and Prospects for Recovery **2007**, 317-344		3
47	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, 167-85	10.2	20
46	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, 154-66	10.2	59
45	Modelling nitrogen saturation and carbon accumulation in heathland soils under elevated nitrogen deposition. *Environmental Pollution*, **2006**, 143, 468-78	9.3	48
44	Alternative explanations for rising dissolved organic carbon export from organic soils. *Global Change Biology*, **2006**, 12, 2044-2053	11.4	373
43	Vegetation Type Affects the Relationship Between Soil Carbon to Nitrogen Ratio and Nitrogen Leaching. *Water, Air, and Soil Pollution*, **2006**, 177, 335-347	2.6	36
42	Evidence that Soil Carbon Pool Determines Susceptibility of Semi-Natural Ecosystems to Elevated Nitrogen Leaching. *Ecosystems*, **2006**, 9, 453-462	3.9	66
41	Reconstructing pre-acidification pH for an acidified Scottish loch: a comparison of palaeolimnological and modelling approaches. *Environmental Pollution*, **2005**, 137, 135-49	9.3	59
40	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	9.3	84
39	Trends in surface water chemistry of acidified UK freshwaters, 1988-2002. *Environmental Pollution*, **2005**, 137, 27-39	9.3	70
38	Long-term increases in surface water dissolved organic carbon: observations, possible causes and environmental impacts. *Environmental Pollution*, **2005**, 137, 55-71	9.3	689
37	Nitrate leaching as a confounding factor in chemical recovery from acidification in UK upland waters. *Environmental Pollution*, **2005**, 137, 73-82	9.3	60
36	A conceptual model of spatially heterogeneous nitrogen leaching from a welsh moorland catchment. *Water, Air and Soil Pollution*, **2005**, 4, 97-105		3
35	Modelling the effects of climate change on an acidic upland stream. *Biogeochemistry*, **2005**, 74, 21-46	3.8	53

34	Trends in Dissolved Organic Carbon in UK Rivers and Lakes. *Biogeochemistry*, **2004**, 70, 369-402	3.8	211
33	A Conceptual Model of Spatially Heterogeneous Nitrogen Leaching from a Welsh Moorland Catchment. *Water, Air and Soil Pollution*, **2004**, 4, 97-105		8
32	Constrained multivariate trend analysis applied to water quality variables. *Environmetrics*, **2002**, 13, 43-53	1.3	3
31	Terrestrial export of organic carbon. *Nature*, **2002**, 415, 862-862	50.4	49
30	A Comparison of Loch Chemistry from 1955 and 1999 in the Cairngorms, N.E. Scotland. *Water, Air and Soil Pollution*, **2002**, 2, 47-59		7
29	Natural and Anthropogenic Changes in The Chemistry of Six UK Mountain Lakes, 1988 to 2000. *Water, Air and Soil Pollution*, **2002**, 2, 33-46		6
28	A Novel Method for Mapping Critical Loads Across a River Network: Application to the River Dart, Southwest England. *Water, Air and Soil Pollution*, **2001**, 1, 437-453		2
27	Monitoring Acid Waters in the UK: 1988–1998 Trends. *Water, Air, and Soil Pollution*, **2001**, 130, 1307-1312	2.6	14
26	Assessing the Suitability of Acid Neutralising Capacity as a Measure of Long-Term Trends in Acidic Waters Based on Two Parallel Datasets. *Water, Air, and Soil Pollution*, **2001**, 130, 1541-1546	2.6	19
25	Export of organic carbon from peat soils. *Nature*, **2001**, 412, 785	50.4	707
24	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, 115-29	10.2	84
23	Are there signs of acidification reversal in freshwaters of the low mountain ranges in Germany?. *Hydrology and Earth System Sciences*, **2001**, 5, 367-378	5.5	44
22	Response of sulphur dynamics in European catchments to decreasing sulphate deposition. *Hydrology and Earth System Sciences*, **2001**, 5, 311-326	5.5	107
21	Recovery from acidification in European surface waters. *Hydrology and Earth System Sciences*, **2001**, 5, 283-298	5.5	204
20	Trends in nitrogen deposition and leaching in acid-sensitive streams in Europe. *Hydrology and Earth System Sciences*, **2001**, 5, 299-310	5.5	118
19	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	5.5	71
18	Monitoring Acid Waters in the UK: 1988–1998 Trends **2001**, 1307-1312		
17	Are temporal variations in the nitrate content of UK upland freshwaters linked to the North Atlantic Oscillation?. *Hydrological Processes*, **2000**, 14, 1745-1749	3.3	94

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