Stephen J Ormerod

List of Publications by Citations

225 papers	13,031 citations	58 h-index	107 g-index
234 ext. papers	14,962 ext. citations	4.8 avg, IF	6.7 L-index

#	Paper	IF	Citations
225	Evaluating presence–absence models in ecology: the need to account for prevalence. *Journal of Applied Ecology*, **2001**, 38, 921-931	5.8	1133
224	Emerging threats and persistent conservation challenges for freshwater biodiversity. *Biological Reviews*, **2019**, 94, 849-873	13.5	807
223	Multiple stressors in freshwater ecosystems. *Freshwater Biology*, **2010**, 55, 1-4	3.1	602
222	New paradigms for modelling species distributions?. *Journal of Applied Ecology*, **2004**, 41, 193-200	5.8	420
221	Climate change effects on upland stream macroinvertebrates over a 25-year period. *Global Change Biology*, **2007**, 13, 942-957	11.4	337
220	Comparing discriminant analysis, neural networks and logistic regression for predicting species distributions: a case study with a Himalayan river bird. *Ecological Modelling*, **1999**, 120, 337-347	3	280
219	Effects on aquatic ecosystems. *Journal of Photochemistry and Photobiology B: Biology*, **1998**, 46, 53-68	6.7	257
218	Integrating ecology with hydromorphology: a priority for river science and management. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2009**, 19, 113-125	2.6	238
217	Alternative methods for predicting species distribution: an illustration with Himalayan river birds. *Journal of Applied Ecology*, **1999**, 36, 734-747	5.8	226
216	The continuing challenges of testing species distribution models. *Journal of Applied Ecology*, **2005**, 42, 720-730	5.8	218
215	Dispersal of adult aquatic insects in catchments of differing land use. *Journal of Applied Ecology*, **2004**, 41, 934-950	5.8	210
214	Bending the Curve of Global Freshwater Biodiversity Loss: An Emergency Recovery Plan. *BioScience*, **2020**, 70, 330-342	5.7	196
213	Managing aquatic ecosystems and water resources under multiple stress--an introduction to the MARS project. *Science of the Total Environment*, **2015**, 503-504, 10-21	10.2	187
212	Microplastic ingestion by riverine macroinvertebrates. *Science of the Total Environment*, **2019**, 646, 68-74	10.2	167
211	The ordination and classification of macroinvertebrate assemblages in the catchment of the River Wye in relation to environmental factors. *Freshwater Biology*, **1987**, 17, 533-546	3.1	162
210	A catchment-scale perspective of plastic pollution. *Global Change Biology*, **2019**, 25, 1207	11.4	144
209	Grasslands, grazing and biodiversity: editors' introduction. *Journal of Applied Ecology*, **2001**, 38, 233-237	5.8	144

208	Climate change and water in the UK □past changes and future prospects. *Progress in Physical Geography*, **2015**, 39, 6-28	3.5	138
207	Short-term experimental acidification of a Welsh stream: comparing the biological effects of hydrogen ions and aluminium. *Freshwater Biology*, **1987**, 17, 341-356	3.1	137
206	Improving the Quality of Distribution Models for Conservation by Addressing Shortcomings in the Field Collection of Training Data. *Conservation Biology*, **2003**, 17, 1601-1611	6	135
205	Trends in water quality and discharge confound long-term warming effects on river macroinvertebrates. *Freshwater Biology*, **2009**, 54, 388-405	3.1	128
204	Evidence needed to manage freshwater ecosystems in a changing climate: turning adaptation principles into practice. *Science of the Total Environment*, **2010**, 408, 4150-64	10.2	128
203	Impacts of multiple stressors on freshwater biota across spatial scales and ecosystems. *Nature Ecology and Evolution*, **2020**, 4, 1060-1068	12.3	126
202	Acidity promotes degradation of multi-species environmental DNA in lotic mesocosms. *Communications Biology*, **2018**, 1, 4	6.7	116
201	Scale-dependent effects of fine sediments on temperate headwater invertebrates. *Freshwater Biology*, **2009**, 54, 203-219	3.1	114
200	Comparing the responses of diatoms and macro- invertebrates to metals in upland streams of Wales and Cornwall. *Freshwater Biology*, **2002**, 47, 1752-1765	3.1	112
199	Contrasting effects of natural and anthropogenic stressors on beta diversity in river organisms. *Global Ecology and Biogeography*, **2013**, 22, 796-805	6.1	106
198	The effects of climatic fluctuations and extreme events on running water ecosystems. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	97
197	The influence of plantation forestry on the pH and aluminium concentration of upland welsh streams: a re-examination. *Environmental Pollution*, **1989**, 62, 47-62	9.3	96
196	Community persistence among stream invertebrates tracks the North Atlantic Oscillation. *Journal of Animal Ecology*, **2001**, 70, 987-996	4.7	95
195	Low-level effects of inert sediments on temperate stream invertebrates. *Freshwater Biology*, **2010**, 55, 476-486	3.1	94
194	Testing large-scale hypotheses using surveys: the effects of land use on the habitats, invertebrates and birds of Himalayan rivers. *Journal of Applied Ecology*, **2000**, 37, 756-770	5.8	93
193	The Influence of Riparian Management on the Habitat Structure and Macroinvertebrate Communities of Upland Streams Draining Plantation Forests. *Journal of Applied Ecology*, **1993**, 30, 13	5.8	90
192	Toxicity of proton-metal mixtures in the field: linking stream macroinvertebrate species diversity to chemical speciation and bioavailability. *Aquatic Toxicology*, **2010**, 100, 112-9	5.1	88
191	Restoration and recovery from acidification in upland Welsh streams over 25 years. *Journal of Applied Ecology*, **2009**, 46, 164-174	5.8	87

190	Restoration in applied ecology: editor's introduction. *Journal of Applied Ecology*, **2003**, 40, 44-50	5.8	86
189	Egg mass and shell thickness in dippers Cinclus cinclus in relation to stream acidity in Wales and Scotland. *Environmental Pollution*, **1988**, 55, 107-21	9.3	86
188	Altitudinal trends in the diatoms, bryophytes, macroinvertebrates and fish of a Nepalese river system. *Freshwater Biology*, **1994**, 32, 309-322	3.1	85
187	Experimental effects of sediment deposition on the structure and function of macroinvertebrate assemblages in temperate streams. *River Research and Applications*, **2011**, 27, 257-267	2.3	83
186	Long-term effects of catchment liming on invertebrates in upland streams. *Freshwater Biology*, **2002**, 47, 161-171	3.1	82
185	Field and laboratory studies reveal interacting effects of stream oxygenation and warming on aquatic ectotherms. *Global Change Biology*, **2016**, 22, 1769-78	11.4	81
184	Current issues with fish and fisheries: editor's overview and introduction. *Journal of Applied Ecology* , **2003**, 40, 204-213	5.8	81
183	Molecular systematics and phylogeography of the cryptic species complex Baetis rhodani (Ephemeroptera, Baetidae). *Molecular Phylogenetics and Evolution*, **2006**, 40, 370-82	4.1	80
182	Acidic episodes retard the biological recovery of upland British streams from chronic acidification. *Global Change Biology*, **2007**, 13, 2439-2452	11.4	79
181	Editors' Introduction: Birds and Agriculture. *Journal of Applied Ecology*, **2000**, 37, 699-705	5.8	79
180	Large-scale ecology and hydrology: an introductory perspective from the editors of the Journal of Applied Ecology. *Journal of Applied Ecology*, **2000**, 37, 1-5	5.8	77
179	The Ecology of Dippers Cinclus cinclus in Relation to Stream Acidity in Upland Wales: Breeding Performance, Calcium Physiology and Nestling Growth. *Journal of Applied Ecology*, **1991**, 28, 419	5.8	75
178	The impact of acidification on macroinvertebrate assemblages in welsh streams: towards an empirical model. *Environmental Pollution*, **1987**, 46, 223-40	9.3	69
177	Estimating the size distribution of plastics ingested by animals. *Nature Communications*, **2020**, 11, 1594	17.4	68
176	Large-scale, long-term trends in British river macroinvertebrates. *Global Change Biology*, **2012**, 18, 2184-2194	11.4	65
175	Macro-floral assemblages in upland Welsh streams in relation to acidity, and their importance to invertebrates. *Freshwater Biology*, **1987**, 18, 545-557	3.1	65
174	Evaluating riparian solutions to multiple stressor problems in river ecosystems - A conceptual study. *Water Research*, **2018**, 139, 381-394	12.5	64
173	Combined effects of habitat modification on trait composition and species nestedness in river invertebrates. *Biological Conservation*, **2010**, 143, 2638-2646	6.2	63

172	Endocrine disruption in aquatic systems: up-scaling research to address ecological consequences. *Biological Reviews*, **2018**, 93, 626-641	13.5	63
171	Odonates as Indicators of Shallow Lake Restoration by Liming: Comparing Adult and Larval Responses. *Restoration Ecology*, **2004**, 12, 439-446	3.1	62
170	Diatoms as indicators of stream quality in the Kathmandu Valley and Middle Hills of Nepal and India. *Freshwater Biology*, **2003**, 48, 2065-2084	3.1	60
169	METHODOLOGICAL INSIGHTS: Increasing the value of principal components analysis for simplifying ecological data: a case study with rivers and river birds. *Journal of Applied Ecology*, **2005**, 42, 487-497	5.8	58
168	Stable isotopes as indicators of wastewater effects on the macroinvertebrates of urban rivers. *Hydrobiologia*, **2013**, 700, 231-244	2.4	57
167	Microhabitat availability in Welsh moorland and forest streams as a determinant of macroinvertebrate distribution. *Freshwater Biology*, **1989**, 22, 247-261	3.1	57
166	Diatoms as indicators of river quality in the Nepalese Middle Hills with consideration of the effects of habitat-specific sampling. *Freshwater Biology*, **1996**, 36, 475-486	3.1	55
165	The distribution of breeding dippers (Cinclus cinclus (L.); Aves) in relation to stream acidity in upland Wales. *Freshwater Biology*, **1986**, 16, 501-507	3.1	53
164	Effects of episodic acidification on macroinvertebrate assemblages in Swiss Alpine streams. *Freshwater Biology*, **2003**, 48, 1873-1885	3.1	52
163	Meeting the ecological challenges of agricultural change: editors□ntroduction. *Journal of Applied Ecology*, **2003**, 40, 939-946	5.8	52
162	Preliminary empirical models of the historical and future impact of acidification on the ecology of Welsh streams. *Freshwater Biology*, **1988**, 20, 127-140	3.1	51
161	Small Water Bodies in Great Britain and Ireland: Ecosystem function, human-generated degradation, and options for restorative action. *Science of the Total Environment*, **2018**, 645, 1598-1616	10.2	50
160	Juvenile salmonid populations in a temperate river system track synoptic trends in climate. *Global Change Biology*, **2010**, 16, 3271-3283	11.4	50
159	Evidence for the role of climate in the local extinction of a cool-water triclad. *Journal of the North American Benthological Society*, **2010**, 29, 1367-1378		50
158	Dissolved organic nitrogen regulation in freshwaters. *Journal of Environmental Quality*, **2004**, 33, 201-9	3.4	50
157	Forests and the temperature of upland streams in Wales: a modelling exploration of the biological effects. *Freshwater Biology*, **1990**, 24, 109-122	3.1	50
156	Relationships between the physicochemistry and macroinvertebrates of British upland streams: the development of modelling and indicator systems for predicting fauna and detecting acidity. *Freshwater Biology*, **1990**, 24, 463-480	3.1	49
155	The three Rs of river ecosystem resilience: Resources, recruitment, and refugia. *River Research and Applications*, **2019**, 35, 107-120	2.3	48

154	Estimating safe concentrations of trace metals from inter-continental field data on river macroinvertebrates. *Environmental Pollution*, **2012**, 166, 182-6	9.3	48
153	Classification and ordination of macroinvertebrate assemblages to predict stream acidity in upland Wales. *Hydrobiologia*, **1989**, 171, 59-78	2.4	48
152	Combining surveys of river habitats and river birds to appraise riverine hydromorphology. *Freshwater Biology*, **2007**, 52, 2270-2284	3.1	47
151	Exploitation of prey by a river bird, the dipper Cinclus cinclus (L.), along acidic and circumneutral streams in upland Wales. *Freshwater Biology*, **1991**, 25, 105-116	3.1	47
150	Assessing the short-term response of stream diatoms to acidity using inter-basin transplantations and chemical diffusing substrates. *Freshwater Biology*, **2004**, 49, 1072-1088	3.1	46
149	Recognizing the importance of scale in the ecology and management of riverine fish. *River Research and Applications*, **2006**, 22, 1143-1152	2.3	45
148	Intensive sampling and transplantation experiments reveal continued effects of episodic acidification on sensitive stream invertebrates. *Freshwater Biology*, **2006**, 51, 180-191	3.1	45
147	Anthropogenic modification disrupts species co-occurrence in stream invertebrates. *Global Change Biology*, **2014**, 20, 51-60	11.4	43
146	The Constancy of Invertebrate Assemblages in Soft-Water Streams: Implications for the Prediction and Detection of Environmental Change. *Journal of Applied Ecology*, **1990**, 27, 952	5.8	43
145	An outdoor mesocosm study to assess ecotoxicological effects of atrazine on a natural plankton community. *Archives of Environmental Contamination and Toxicology*, **1995**, 29, 435	3.2	41
144	Beyond cool: adapting upland streams for climate change using riparian woodlands. *Global Change Biology*, **2016**, 22, 310-24	11.4	40
143	Diet shifts during egg laying: Implications for measuring contaminants in bird eggs. *Environmental Pollution*, **2010**, 158, 447-54	9.3	39
142	The seasonal dynamics and persistence of stream macroinvertebrates in Nepal: do monsoon floods represent disturbance?. *Freshwater Biology*, **2000**, 44, 581-594	3.1	39
141	Improving bio-diagnostic monitoring using simple combinations of standard biotic indices. *River Research and Applications*, **2009**, 25, 348-361	2.3	38
140	Global patterns of diversity among the specialist birds of riverine landscapes. *Freshwater Biology*, **2002**, 47, 695-709	3.1	38
139	The importance of acid episodes in determining faunal distributions in Welsh streams. *Freshwater Biology*, **1991**, 25, 71-84	3.1	38
138	Linking ecological and hydromorphological data: approaches, challenges and future prospects for riverine science. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2010**, 20, S125-S130	2.6	37
137	The diet of breeding Dippers Cinclus cinclus and their nestlings in the catchment of the River Wye, mid-Wales: a preliminary study by faecal analysis. *Ibis*, **2008**, 127, 316-331	1.9	37

136	Insect dispersal does not limit the biological recovery of streams from acidification. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2007**, 17, 375-383	2.6	37
135	The distribution of three uncommon freshwater gastropods in the drainage ditches of British grazing marshes. *Biological Conservation*, **2004**, 118, 455-466	6.2	37
134	Restoring acidified streams in upland Wales: a modelling comparison of the chemical and biological effects of liming and reduced sulphate deposition. *Environmental Pollution*, **1990**, 64, 67-85	9.3	37
133	Aquatic bryophytes in Himalayan streams: testing a distribution model in a highly heterogeneous environment. *Freshwater Biology*, **1998**, 40, 697-716	3.1	36
132	Causes of episodic acidification in Alpine streams. *Freshwater Biology*, **2003**, 48, 175-189	3.1	35
131	A diagnostic biotic index for assessing acidity in sensitive streams in Britain. *Ecological Indicators*, **2013**, 24, 562-572	5.8	34
130	Communicating the value of ecology. *Journal of Applied Ecology*, **1999**, 36, 847	5.8	34
129	Lifting the veil: richness measurements fail to detect systematic biodiversity change over three decades. *Ecology*, **2018**, 99, 1316-1326	4.6	32
128	Reappraising the effects of habitat structure on river macroinvertebrates. *Freshwater Biology*, **2013**, 58, 2154-2167	3.1	32
127	Applied issues with predators and predation: editors' introduction. *Journal of Applied Ecology*, **2002**, 39, 181-188	5.8	32
126	The effects of catchment liming on the chemistry and biology of upland Welsh streams: testing model predictions. *Freshwater Biology*, **1995**, 34, 165-175	3.1	31
125	The ecology of dippers Cinclus cinclus (L.) in relation to stream acidity in upland Wales: time-activity budgets and energy expenditure. *Oecologia*, **1990**, 85, 271-280	2.9	31
124	Inter- and intraspecific differences in climatically mediated phenological change in coexisting Triturus species. *Global Change Biology*, **2006**, 12, 1069-1078	11.4	30
123	The uptake of applied ecology. *Journal of Applied Ecology*, **2002**, 39, 1-7	5.8	30
122	Effects of spring acid episodes on macroinvertebrates revealed by population data and in situ toxicity tests. *Freshwater Biology*, **2005**, 50, 1568-1577	3.1	30
121	Patterns of contamination by organochlorines and mercury in the eggs of two river passerines in Britain and Ireland with reference to individual PCB congeners. *Environmental Pollution*, **1992**, 76, 233-43	9.3	30
120	Is the breeding distribution of Dippers influenced by stream acidity?. *Bird Study*, **1985**, 32, 32-39	0.7	30
119	Global versus local change effects on a large European river. *Science of the Total Environment*, **2012**, 441, 220-9	10.2	29

118	Food web transfer of plastics to an apex riverine predator. *Global Change Biology*, **2020**, 26, 3846-3857	11.4	29
117	Macroinvertebrate communities in streams in the Himalaya, Nepal. *Freshwater Biology*, **1993**, 30, 169-180	3.1	28
116	Use of a new standardized habitat survey for assessing the habitat preferences and distribution of upland river birds. *Bird Study*, **1997**, 44, 327-337	0.7	27
115	Spatial patterns concentrations in upland Wales in relation to catchment forest cover and forest age. *Environmental Pollution*, **1994**, 84, 27-33	9.3	27
114	The Challenges of Linking Ecosystem Services to Biodiversity. *Advances in Ecological Research*, **2016**, 54, 87-134	4.6	26
113	NEW OR POORLY KNOWN DIATOMS FROM HIMALAYAN STREAMS. *Diatom Research*, **2000**, 15, 237-262	0.9	25
112	Macroinvertebrate drift in streams of the Nepalese Himalaya. *Freshwater Biology*, **1994**, 32, 573-583	3.1	25
111	Chemical and biological effects of acid, aluminium and lime additions to a Welsh Hill-stream. *Environmental Pollution*, **1989**, 56, 283-97	9.3	25
110	A systematic review of the effectiveness of liming to mitigate impacts of river acidification on fish and macro-invertebrates. *Environmental Pollution*, **2013**, 179, 285-93	9.3	24
109	Acid deposition in Wales: the results of the 1995 Welsh Acid Waters Survey. *Environmental Pollution* , **1999**, 105, 251-266	9.3	24
108	The influence of chemistry and habitat features on the microcrustacea of some upland Welsh streams. *Freshwater Biology*, **1991**, 26, 439-451	3.1	24
107	Environmental pollutants in the eggs of Welsh Dipper; Cinclus cinclus: a potential monitor of organochlorine and mercury contamination in upland rivers. *Bird Study*, **1990**, 37, 171-176	0.7	24
106	The post-natal and breeding dispersal of Welsh Dippers Cinclus cinclus. *Bird Study*, **1990**, 37, 18-22	0.7	24
105	The survival of early life stages of brown trout (Salmo trutta L.) in relation to aluminium speciation in upland Welsh streams. *Aquatic Toxicology*, **1990**, 17, 213-230	5.1	24
104	Developmental impairment in eurasian dipper nestlings exposed to urban stream pollutants. *Environmental Toxicology and Chemistry*, **2014**, 33, 1315-23	3.8	23
103	Linking interdecadal changes in British river ecosystems to water quality and climate dynamics. *Global Change Biology*, **2014**, 20, 2725-40	11.4	23
102	Effects of point-source PCB contamination on breeding performance and post-fledging survival in the dipper Cinclus cinclus. *Environmental Pollution*, **2000**, 110, 505-13	9.3	23
101	A review of the likely causal pathways relating the reduced density of breeding dippers Cinclus cinclus to the acidification of upland streams. *Environmental Pollution*, **1992**, 78, 49-55	9.3	23

100	Macroinvertebrate distribution in Ecuadorian hill streams: the effects of altitude and land use. *Fundamental and Applied Limnology*, **2000**, 149, 421-440	1.9	23
99	Liming acid streams: Aluminium toxicity to fish in mixing zones. *Water, Air, and Soil Pollution*, **1991**, 55, 345	2.6	22
98	Persistent contaminants as potential constraints on the recovery of urban river food webs from gross pollution. *Water Research*, **2019**, 163, 114858	12.5	21
97	Effects of elevated CO2 on litter chemistry and subsequent invertebrate detritivore feeding responses. *PLoS ONE*, **2014**, 9, e86246	3.7	21
96	Priority wetland invertebrates as conservation surrogates. *Conservation Biology*, **2010**, 24, 573-82	6	21
95	Applying landscape ecology to conservation biology: Spatially explicit analysis reveals dispersal limits on threatened wetland gastropods. *Biological Conservation*, **2007**, 139, 286-296	6.2	21
94	The micro-distribution of aquatic macroinvertebrates in the Wye river system: the result of abiotic or biotic factors?. *Freshwater Biology*, **1988**, 20, 241-247	3.1	21
93	The diet of Dippers Cinclus cinclus wintering in the catchment of the River Wye, Wales. *Bird Study*, **1986**, 33, 36-45	0.7	21
92	Evaluating the effects of riparian restoration on a temperate river-system using standardized habitat survey. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2010**, 20, S96-S104	2.6	20
91	Factors influencing the abundance of breeding Dippers Cinclus cinclus in the catchment of the River Wye, mid-Wales. *Ibis*, **2008**, 127, 332-340	1.9	19
90	APPLIED ISSUES Increasing litter retention in moorland streams: ecological and management aspects of a field experiment. *Freshwater Biology*, **1995**, 33, 325-337	3.1	19
89	Ecology and biogeography of Himalayan diatoms: distribution along gradients of altitude, stream habitat and water chemistry. *Fundamental and Applied Limnology*, **2010**, 177, 293-311	1.9	18
88	The distribution of dippers, Cinclus cinclus (L.), in the acid-sensitive region of Wales 1984–95. *Freshwater Biology*, **1998**, 39, 387-396	3.1	18
87	Effects of experimental acidification and liming on terrestrial invertebrates: implications for calcium availability to vertebrates. *Environmental Pollution*, **1998**, 103, 183-191	9.3	18
86	Comparative assessment of stream acidity using diatoms and macroinvertebrates: implications for river management and conservation. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2007**, 17, 502-519	2.6	18
85	Long-term change in the suitability of welsh streams for dippers Cinclus cinclus as a result of acidification and recovery: a modelling study. *Environmental Pollution*, **1989**, 62, 171-82	9.3	18
84	Recovery of macroinvertebrate species richness in acidified upland waters assessed with a field toxicity model. *Ecological Indicators*, **2014**, 37, 341-350	5.8	17
83	The influence of stream acidification and riparian land use on the feeding ecology of Grey Wagtails Motacilla cinerea in Wales. *Ibis*, **2008**, 133, 53-61	1.9	17

82	The effects of riparian forestry on invertebrate drift and brown trout in upland streams of contrasting acidity. *Hydrology and Earth System Sciences*, **2004**, 8, 578-588	5.5	17
81	The influence of conifer plantations on the distribution of the golden ringed dragonfly Cordulegaster boltoni (Odonata) in Upland Wales. *Biological Conservation*, **1990**, 53, 241-251	6.2	17
80	Habitat preferences of breeding Water Rail Rallus aquaticus. *Bird Study*, **2002**, 49, 2-10	0.7	16
79	The adaptive significance of brood size and time of breeding in the dipper Cinclus cinclus (Aves: Passeriformes) as seen from post-fledging survival. *Journal of Zoology*, **1993**, 231, 371-381	2	16
78	Dissolved Organic Nitrogen Regulation in Freshwaters **2004**, 33, 201		16
77	The influences of habitat and seasonal sampling regimes on the ordination and classification of macroinvertebrate assemblages in the catchment of the River Wye, Wales. *Hydrobiologia*, **1987**, 150, 143-151	2.4	15
76	Episodic acidification affects the breakdown and invertebrate colonisation of oak litter. *Freshwater Biology*, **2012**, 57, 2318-2329	3.1	14
75	Using diatoms as quality indicators for a newly-formed urban lake and its catchment. *Environmental Monitoring and Assessment*, **2010**, 162, 47-65	3.1	14
74	Evaluating large-scale effects of Bacillus thuringiensis var. israelensis on non-biting midges (Chironomidae) in a eutrophic urban lake. *Freshwater Biology*, **2008**, 53, 2117-2128	3.1	14
73	The growth of brown trout (Salmo trutta) in mild winters and summer droughts in upland Wales. *Freshwater Biology*, **1991**, 26, 121-131	3.1	14
72	The effects of riparian management and physicochemistry on macroinvertebrate feeding guilds and community structure in upland British streams. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **1992**, 2, 309-324	2.6	14
71	Management of conifer plantations for the conservation of stream macroinvertebrates. *Biological Conservation*, **1993**, 63, 171-176	6.2	14
70	Aspects of the breeding ecology of Welsh Grey Wagtails Motacilla cinerea. *Bird Study*, **1987**, 34, 43-51	0.7	14
69	Appraising riparian management effects on benthic macroinvertebrates in the Wye River system. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2010**, 20, S73-S81	2.6	13
68	The microdistribution of three uncommon freshwater gastropods in the drainage ditches of British grazing marshes. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2004**, 14, 221-236	2.6	13
67	Local movements and population density of Water Rails Rallus aquaticus in a small inland reedbed. *Bird Study*, **1995**, 42, 82-87	0.7	13
66	The effect of sampling frequency on chemical parameters in acid-sensitive streams. *Environmental Pollution*, **1996**, 93, 147-57	9.3	13
65	Inter- and intra-annual variation in the occurrence of organochlorine pesticides, polychlorinated biphenyl congeners, and mercury in the eggs of a river passerine. *Archives of Environmental Contamination and Toxicology*, **1994**, 26, 7-12	3.2	13

64	The response of macroinvertebrates to experimental episodes of low pH with different forms of aluminium, during a natural spate. *Hydrobiologia*, **1988**, 169, 225-232	2.4	13
63	Polystyrene microplastics decrease accumulation of essential fatty acids in common freshwater algae. *Environmental Pollution*, **2020**, 263, 114425	9.3	12
62	Eurasian dipper eggs indicate elevated organohalogenated contaminants in urban rivers. *Environmental Science & Technology*, **2013**, 47, 8931-9	10.3	12
61	Niche segregation of Himalayan river birds. *Journal of Field Ornithology*, **2008**, 79, 176-185	0.9	12
60	Field testing the AWIC index for detecting acidification in British streams. *Archiv F Hydrobiologie*, **2006**, 166, 99-115		12
59	Sustainability of UK forestry: contemporary issues for the protection of freshwaters, a conclusion. *Hydrology and Earth System Sciences*, **2004**, 8, 589-595	5.5	12
58	Aspects of the breeding biology of Dippers Cinclus cinclus in the southern catchment of the River Wye, Wales. *Bird Study*, **1985**, 32, 164-169	0.7	12
57	Resolving large-scale pressures on species and ecosystems: propensity modelling identifies agricultural effects on streams. *Journal of Applied Ecology*, **2016**, 53, 408-417	5.8	12
56	Modelling the effects of climate and land-use change on the hydrochemistry and ecology of the River Wye (Wales). *Science of the Total Environment*, **2018**, 627, 733-743	10.2	11
55	Developing a diatom monitoring network in an urban river-basin: initial assessment and site selection. *Hydrobiologia*, **2012**, 695, 137-151	2.4	11
54	Effects of liming on the Coleoptera, Hemiptera, Araneae and Opiliones of catchment wetlands in Wales. *Biological Conservation*, **1997**, 79, 43-57	6.2	11
53	The role of acidity in the ecology of Welsh lakes and streams. *Monographiae Biologicae*, **1990**, 93-119	0.3	11
52	Twenty-five essential research questions to inform the protection and restoration of freshwater biodiversity. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2021**, 31, 2632-2653	2.6	11
51	Biological Traits and the Transfer of Persistent Organic Pollutants through River Food Webs. *Environmental Science & Technology*, **2019**, 53, 13246-13256	10.3	10
50	Local to continental influences on nutrient and contaminant sources to river birds. *Environmental Science & Technology*, **2010**, 44, 1860-7	10.3	10
49	The distribution and conservation of threatened Sphaeriidae on British grazing marshland. *Biodiversity and Conservation*, **2005**, 14, 2207-2220	3.4	10
48	The effects of low pH and palliative liming on beech litter decomposition in acid-sensitive streams. *Hydrobiologia*, **2006**, 571, 373-381	2.4	9
47	Further studies of the organochlorine content of Dipper Cinclus cinclus eggs: local differences between Welsh catchments. *Bird Study*, **1993**, 40, 97-106	0.7	9

46	The biological response of acidic streams to catchment liming compared to the changes predicted from stream chemistry. *Journal of Environmental Management*, **1992**, 34, 105-115	7.9	9
45	River organisms as indicators of the distribution and sources of persistent organic pollutants in contrasting catchments. *Environmental Pollution*, **2019**, 255, 113144	9.3	8
44	Adapting streams for climate change using riparian broadleaf trees and its consequences for stream salmonids. *Freshwater Biology*, **2015**, 60, 64-77	3.1	8
43	American dippers indicate contaminant biotransport by Pacific salmon. *Environmental Science & Technology*, **2012**, 46, 1153-62	10.3	8
42	River habitat surveys and biodiversity in acid-sensitive rivers. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **1998**, 8, 501-514	2.6	8
41	Migration strategies of sylviid warblers: chance patterns or community dynamics?. *Journal of Avian Biology*, **2000**, 31, 20-30	1.9	8
40	Three challenges for the science of river conservation **1999**, 9, 551-558		8
39	Pre-migratory and migratory movements of Swallows Hirundo rustica in Britain and Ireland. *Bird Study*, **1991**, 38, 170-178	0.7	8
38	Enhancing capacity for freshwater conservation at the genetic level: a demonstration using three stream macroinvertebrates. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2017**, 27, 452-461	2.6	7
37	A global analysis of zooplankton in natural and artificial fresh waters. *Journal of Limnology*, **2013**, 72, 12	1.5	7
36	The influence of stream acidification and riparian land-use on the breeding biology of Grey Wagtails Motacilla cinerea in Wales. *Ibis*, **2008**, 133, 286-292	1.9	7
35	The effect of catchment liming on bryophytes in upland Welsh streams, with an assessment of the communities at risk. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **1994**, 4, 297-306	2.6	7
34	Understanding and Managing Climate Change Effects on River Ecosystems107-119		7
33	River birds as potential indicators of local- and catchment-scale influences on Himalayan river ecosystems. *Ecosystems and People*, **2019**, 15, 90-101	4.3	6
32	Environment and food web structure interact to alter the trophic magnification of persistent chemicals across river ecosystems. *Science of the Total Environment*, **2020**, 717, 137271	10.2	6
31	The influence of a river bird, the dipper (Cinclus cinclus), on the behaviour and drift of its invertebrate prey. *Freshwater Biology*, **1996**, 35, 45-56	3.1	6
30	Sex ratio and maturity indicate the local dispersal and mortality of adult stoneflies. *Freshwater Biology*, **2006**, 51, 1543-1551	3.1	5
29	The scientific strategy of the BTO ringing scheme. *Ringing and Migration*, **1999**, 19, 129-143	0.4	5

28	Modelling ecological impacts of the acidification of Welsh streams: temporal changes in the occurrence of macroflora and macroinvertebrates. *Hydrobiologia*, **1989**, 185, 163-174	2.4	5
27	The diet of Green Sandpipers Tringa ochropus in contrasting areas of their winter range. *Bird Study*, **1988**, 35, 25-30	0.7	5
26	The diet of moulting Dippers Cinclus cinclus in the catchment of the Welsh River Wye. *Bird Study*, **1986**, 33, 138-139	0.7	5
25	The effects of pastoral intensification on the feeding interactions of generalist predators in streams. *Molecular Ecology*, **2018**, 27, 590-602	5.7	5
24	Conservation Challenges to Freshwater Ecosystems **2020**, 270-278		4
23	Squeezed out: the consequences of riparian zone modification for specialist invertebrates. *Biodiversity and Conservation*, **2016**, 25, 3075-3092	3.4	4
22	Student-centred experiments with stream invertebrates. *Journal of Biological Education*, **2011**, 45, 106-111	1.9	4
21	editorialThe age of applied ecology. *Journal of Applied Ecology*, **2000**, 37, 1-2	5.8	4
20	Rapid colonisation of a newly formed lake by zebra mussels and factors affecting juvenile settlement. *Management of Biological Invasions*, **2016**, 7, 405-418	2.2	4
19	Chemical and ecological evidence on the acidification of Welsh lakes and rivers. *Monographiae Biologicae*, **1990**, 11-25	0.3	4
18	Populations of high-value predators reflect the traits of their prey. *Ecography*, **2021**, 44, 690-702	6.5	4
17	Connecting the shifting currents of aquatic science and policy. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2016**, 26, 995-1004	2.6	4
16	Biological barriers to restoration: testing the biotic resistance hypothesis in an upland stream recovering from acidification. *Hydrobiologia*, **2016**, 777, 161-170	2.4	3
15	AcidBase status mediates the selection of organic habitats by upland stream invertebrates. *Hydrobiologia*, **2015**, 745, 97-109	2.4	2
14	Field surveys can support ecological risk assessment. *Integrated Environmental Assessment and Management*, **2013**, 9, 171-2	2.5	2
13	Population characteristics of Dipper Cinclus cinclus roosts in mid and south Wales. *Bird Study*, **1990**, 37, 165-170	0.7	2
12	Field experiments to assess biological effects of pollution episodes in streams. *Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology*, **1991**, 24, 1734-1737		2
11	Ecotoxicological studies of acidity in Welsh streams. *Monographiae Biologicae*, **1990**, 159-172	0.3	2

10	Testing the ecosystem service cascade framework for Atlantic salmon. *Ecosystem Services*, **2020**, 46, 101196	6.2	2
9	Spatial structure in the zooplankton of a newly formed and heavily disturbed urban lake. *Fundamental and Applied Limnology*, **2013**, 183, 1-14	1.9	1
8	Editors□note: 40□years of applied ecology. *Journal of Applied Ecology*, **2003**, 40, 1-1	5.8	1
7	Testing the Himalayan degradation hypothesis: does catchment land use affect river biota?. *Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology*, **2000**, 27, 895-900		1
6	Modelling the ecological impact of changing acidity in Welsh streams. *Monographiae Biologicae*, **1990**, 279-298	0.3	1
5	Stewardship and management of freshwater ecosystems: From Leopold's land ethic to a freshwater ethic. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2021**, 31, 1499	2.6	1
4	A 20-Year View of Monitoring Ecological Quality in English and Welsh Rivers79-89		1
3	River birds in regulated rivers: cost or benefit?. *Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology*, **2000**, 27, 167-170		
2	Effect of habitat structure on the distribution of Himalayan river birds. *Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology*, **2000**, 27, 175-177		
1	The Utility of Biological Indicators of Stream Acidity in Wales **1992**, 1341-1354		