

John E Brittain

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,285
citations

361413

20
h-index

233421

45
g-index

57
all docs

57
docs citations

57
times ranked

2012
citing authors

#	ARTICLE	IF	CITATIONS
1	Glacier shrinkage driving global changes in downstream systems. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9770-9778.	7.1	381
2	Biology of Mayflies. Annual Review of Entomology, 1982, 27, 119-147.	11.8	352
3	Trends of macroinvertebrate community structure in glacier-fed rivers in relation to environmental conditions: a synthesis. Freshwater Biology, 2001, 46, 1833-1847.	2.4	231
4	Macrobenthic invertebrate richness and composition along a latitudinal gradient of European glacier-fed streams. Freshwater Biology, 2001, 46, 1811-1831.	2.4	135
5	A review of the effect of river regulation on mayflies (Ephemeroptera). River Research and Applications, 1989, 3, 191-204.	0.8	96
6	Ecology of glacier-fed rivers: current status and concepts. Freshwater Biology, 2001, 46, 1571-1578.	2.4	88
7	Life History Strategies in Ephemeroptera and Plecoptera. , 1990, , 1-12.		77
8	Order Ephemeroptera. , 2015, , 873-891.		73
9	Functional diversity and community assembly of river invertebrates show globally consistent responses to decreasing glacier cover. Nature Ecology and Evolution, 2018, 2, 325-333.	7.8	71
10	Review and assessment of models for predicting the migration of radionuclides from catchments. Journal of Environmental Radioactivity, 2004, 75, 83-103.	1.7	44
11	A global perspective on the application of riverine macroinvertebrates as biological indicators in Africa, South-Central America, Mexico and Southern Asia. Ecological Indicators, 2021, 126, 107609.	6.3	44
12	Review and assessment of models used to predict the fate of radionuclides in lakes. Journal of Environmental Radioactivity, 2003, 69, 177-205.	1.7	43
13	Radiocesium in brown trout (<i>Salmo trutta</i>) from a subalpine Lake ecosystem after the chernobyl reactor accident. Journal of Environmental Radioactivity, 1991, 14, 181-191.	1.7	41
14	Effect of a changed temperature regime on the benthos of a norwegian regulated river. River Research and Applications, 1994, 9, 93-102.	0.8	38
15	The macroinvertebrate communities of two contrasting Norwegian glacial rivers in relation to environmental variables. Freshwater Biology, 2001, 46, 1723-1736.	2.4	37
16	Long-term trends and variation in ¹³⁷ Cs activity concentrations in brown trout (<i>Salmo trutta</i>) from Åvre Heimdalsvatn, a Norwegian subalpine lake. Hydrobiologia, 2010, 642, 107-113.	2.0	34
17	Experimental studies on nymphal growth in <i>Leptophlebia vespertina</i> (L.) (Ephemeroptera). Freshwater Biology, 1976, 6, 445-449.	2.4	33
18	Modelling of radiocesium in lakes – the VAMP model. Journal of Environmental Radioactivity, 1996, 33, 255-308.	1.7	33

#	ARTICLE	IF	CITATIONS
19	The biology and life cycle of <i>Nemoura avicularis</i> Morton (Plecoptera). <i>Freshwater Biology</i> , 1973, 3, 199-210.	2.4	28
20	Impact of environmental factors on aquatic biodiversity in roadside stormwater ponds. <i>Scientific Reports</i> , 2019, 9, 5994.	3.3	27
21	Diet overlap between introduced European minnow (<i>Phoxinus phoxinus</i>) and young brown trout (<i>Salmo trutta</i>) in the lake, Åvre Heimdalsvatn: a result of abundant resources or forced niche overlap?. <i>Hydrobiologia</i> , 2010, 642, 93-100.	2.0	25
22	Winter transport of Chernobyl radionuclides from a montane catchment to an ice-covered lake. <i>Analyst</i> , The, 1992, 117, 515-519.	3.5	23
23	Egg development, nymphal growth and life cycle strategies in Plecoptera. <i>Ecography</i> , 1989, 12, 173-186.	4.5	21
24	The brown trout (<i>Salmo trutta</i>) in the lake, Åvre Heimdalsvatn: long-term changes in population dynamics due to exploitation and the invasive species, European minnow (<i>Phoxinus phoxinus</i>). <i>Hydrobiologia</i> , 2010, 642, 81-91.	2.0	20
25	Spatial and temporal variation in Arctic freshwater chemistryâ€”Reflecting climateâ€”induced landscape alterations and a changing template for biodiversity. <i>Freshwater Biology</i> , 2022, 67, 14-29.	2.4	20
26	Temperature and spatial connectivity drive patterns in freshwater macroinvertebrate diversity across the Arctic. <i>Freshwater Biology</i> , 2022, 67, 159-175.	2.4	19
27	Radiocaesium in the sediments of Åvre Heimdalsvatn, a Norwegian subalpine lake. <i>Journal of Environmental Radioactivity</i> , 1995, 27, 1-11.	1.7	18
28	Aquatic biodiversity in sedimentation ponds receiving road runoff â€” What are the key drivers?. <i>Science of the Total Environment</i> , 2018, 610-611, 1527-1535.	8.0	18
29	Ecological correlates of riverine diatom and macroinvertebrate alpha and beta diversity across Arctic Fennoscandia. <i>Freshwater Biology</i> , 2022, 67, 49-63.	2.4	17
30	Long-term changes in the littoral benthos of a Norwegian subalpine lake following the introduction of the European minnow (<i>Phoxinus phoxinus</i>). <i>Hydrobiologia</i> , 2010, 642, 71-79.	2.0	16
31	A melting glacier feeds aquatic and terrestrial invertebrates with ancient carbon and supports early succession. <i>Arctic, Antarctic, and Alpine Research</i> , 2016, 48, 551-562.	1.1	16
32	A comparative study of macroinvertebrate biodiversity in highway stormwater ponds and natural ponds. <i>Science of the Total Environment</i> , 2020, 740, 140029.	8.0	15
33	Stoneflies and River Regulation â€” A Review. , 1987, , 117-129.		15
34	Hydropowerâ€”driven thermal changes, biological responses and mitigating measures in northern river systems. <i>River Research and Applications</i> , 2021, 37, 743-765.	1.7	14
35	Continental Atlantic Rivers: the Seine Basin. , 2022, , 293-332.		14
36	Life cycle shifts in <i>Baetis rhodani</i> (Ephemeroptera) in the Norwegian mountains. <i>Aquatic Insects</i> , 2009, 31, 283-291.	0.9	13

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37	The Norwegian reference lake ecosystem, Åvre Heimdalsvatn. <i>Hydrobiologia</i> , 2010, 642, 5-12.	2.0	12
38	Mayfly and stonefly species traits and species composition reflect hydrological regulation: a meta-analysis. <i>Freshwater Science</i> , 2013, 32, 425-437.	1.8	10
39	Arctic Rivers. , 2009, , 337-379.		9
40	Rivers need floods: Management lessons learnt from the regulation of the Norwegian salmon river, SuldalsÅgen. <i>River Research and Applications</i> , 2019, 35, 1181-1191.	1.7	9
41	Improvement of fish habitat in a Norwegian river channelization scheme. <i>River Research and Applications</i> , 1993, 8, 189-194.	0.8	8
42	1.2. General Summary and Conclusions. <i>Studies in Environmental Science</i> , 1994, 62, 7-20.	0.0	7
43	REMEDIAL STRATEGIES IN REGULATED RIVERS: INTRODUCTORY REMARKS. <i>River Research and Applications</i> , 1996, 12, 347-351.	0.8	7
44	A generic dynamic model of Cs-137 turnover in Nordic Lakes. <i>Journal of Environmental Radioactivity</i> , 1997, 37, 175-191.	1.7	7
45	A long-term study of catchment inputs of ¹³⁷ Cs to a subalpine lake in the form of allochthonous terrestrial plant material. <i>Hydrobiologia</i> , 2010, 642, 101-106.	2.0	6
46	2.2. The Characterization of Radiocaesium Transport and Retentions Nordic Lakes. <i>Studies in Environmental Science</i> , 1994, 62, 29-44.	0.0	5
47	Effects of pollution-induced changes in oxygen conditions scaling up from individuals to ecosystems in a tropical river network. <i>Science of the Total Environment</i> , 2022, 814, 151958.	8.0	5
48	Rivers of the Balkans. , 2022, , 595-655.		5
49	2.1. Introduction to Aquatic Ecosystems. <i>Studies in Environmental Science</i> , 1994, 62, 23-28.	0.0	2
50	Life cycle of <i>Arctopsyche ladogensis</i> (trichoptera) in a regulated Norwegian river. <i>River Research and Applications</i> , 1995, 10, 71-79.	0.8	1
51	Contributors to Volume I. , 2015, , xix-xxii.		1
52	Diverging life cycle patterns of two <i>Diamesa</i> species (Diptera, Chironomidae) in High Arctic streams, Svalbard. <i>Polar Biology</i> , 2022, 45, 285-296.	1.2	1
53	A long-term study of catchment inputs of ¹³⁷ Cs to a subalpine lake in the form of allochthonous terrestrial plant material. , 2010, , 101-106.		0
54	Long-term changes in the littoral benthos of a Norwegian subalpine lake following the introduction of the European minnow (<i>Phoxinus phoxinus</i>). , 2010, , 71-79.		0

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55	The Norwegian reference lake ecosystem, Åvre Heimdalsvatn. , 2010, , 5-12.		0
56	Long-term trends and variation in ¹³⁷ Cs activity concentrations in brown trout (<i>Salmo trutta</i>) from Åvre Heimdalsvatn, a Norwegian subalpine lake. , 2010, , 107-113.		0