

# Lee E Brown

## 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.

96  
papers

6,152  
citations

36  
h-index

78  
g-index

100  
ext. papers

7,258  
ext. citations

6.2  
avg, IF

5.95  
L-index

#	Paper	IF	Citations
96	Climate change and freshwater ecosystems: impacts across multiple levels of organization. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 365, 2093-106	5.8	702
95	Ecological networks--beyond food webs. <i>Journal of Animal Ecology</i> , <b>2009</b> , 78, 253-69	4.7	615
94	Recent advances in stream and river temperature research. <i>Hydrological Processes</i> , <b>2008</b> , 22, 902-918	3.3	529
93	Global synthesis and critical evaluation of pharmaceutical data sets collected from river systems. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 661-77	10.3	490
92	Glacier shrinkage driving global changes in downstream systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 9770-9778	11.5	235
91	Vulnerability of alpine stream biodiversity to shrinking glaciers and snowpacks. <i>Global Change Biology</i> , <b>2007</b> , 13, 958-966	11.4	227
90	Biodiversity, Species Interactions and Ecological Networks in a Fragmented World. <i>Advances in Ecological Research</i> , <b>2012</b> , 46, 89-210	4.6	213
89	Biodiversity under threat in glacier-fed river systems. <i>Nature Climate Change</i> , <b>2012</b> , 2, 361-364	21.4	210
88	Hydroecological response of river systems to shrinking glaciers. <i>Hydrological Processes</i> , <b>2009</b> , 23, 62-77	3.3	208
87	Drought alters the structure and functioning of complex food webs. <i>Nature Climate Change</i> , <b>2013</b> , 3, 223-227	21.4	162
86	River dam impacts on biogeochemical cycling. <i>Nature Reviews Earth &amp; Environment</i> , <b>2020</b> , 1, 103-116	30.2	147
85	The effects of climatic fluctuations and extreme events on running water ecosystems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371,	5.8	97
84	Impact of simulated drought on ecosystem biomass production: an experimental test in stream mesocosms. <i>Global Change Biology</i> , <b>2011</b> , 17, 2288-2297	11.4	90
83	Ecological Networks in a Changing Climate. <i>Advances in Ecological Research</i> , <b>2010</b> , 71-138	4.6	89
82	Fire effects on aquatic ecosystems: an assessment of the current state of the science. <i>Freshwater Science</i> , <b>2015</b> , 34, 1340-1350	2	86
81	Integrating climateHydrologyEcology for alpine river systems. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2007</b> , 17, 636-656	2.6	82
80	Widespread, routine occurrence of pharmaceuticals in sewage effluent, combined sewer overflows and receiving waters. <i>Environmental Pollution</i> , <b>2017</b> , 220, 1447-1455	9.3	77

79	A critical analysis of regulated river ecosystem responses to managed environmental flows from reservoirs. <i>Freshwater Biology</i> , <b>2015</b> , 60, 410-425	3.1	74
78	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. <i>Science Advances</i> , <b>2019</b> , 5, eaav0486	14.3	70
77	A comparison of muscle activation between a Smith machine and free weight bench press. <i>Journal of Strength and Conditioning Research</i> , <b>2010</b> , 24, 779-84	3.2	68
76	Spatial heterogeneity of water temperature across an alpine river basin. <i>Hydrological Processes</i> , <b>2008</b> , 22, 954-967	3.3	68
75	Rapid loss of glacial ice reveals stream community assembly processes. <i>Global Change Biology</i> , <b>2012</b> , 18, 2195-2204	11.4	60
74	Climate change impacts in multispecies systems: drought alters food web size structure in a field experiment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 367, 2990-7	5.8	59
73	Spatial and temporal water column and streambed temperature dynamics within an alpine catchment: implications for benthic communities. <i>Hydrological Processes</i> , <b>2005</b> , 19, 1585-1610	3.3	58
72	Contemporary geomorphological activity throughout the proglacial area of an alpine catchment. <i>Geomorphology</i> , <b>2013</b> , 188, 83-95	4.3	57
71	Groundwater influence on alpine stream ecosystems. <i>Freshwater Biology</i> , <b>2007</b> , 52, 878-890	3.1	56
70	Hydroclimatological influences on water column and streambed thermal dynamics in an alpine river system. <i>Journal of Hydrology</i> , <b>2006</b> , 325, 1-20	6	51
69	Water source dynamics in a glacierized alpine river basin (Taillon-GabiÈbus, French PyrÈes). <i>Water Resources Research</i> , <b>2006</b> , 42,	5.4	49
68	Stability and Persistence of Alpine Stream Macroinvertebrate Communities and the Role of Physicochemical Habitat Variables. <i>Hydrobiologia</i> , <b>2006</b> , 560, 159-173	2.4	48
67	Functional diversity and community assembly of river invertebrates show globally consistent responses to decreasing glacier cover. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 325-333	12.3	47
66	Major flood disturbance alters river ecosystem evolution. <i>Nature Climate Change</i> , <b>2013</b> , 3, 137-141	21.4	44
65	Drought rewires the cores of food webs. <i>Nature Climate Change</i> , <b>2016</b> , 6, 875-878	21.4	42
64	Flow regulation alters alpine river thermal regimes. <i>Journal of Hydrology</i> , <b>2012</b> , 464-465, 505-516	6	40
63	Catchment-scale peatland restoration benefits stream ecosystem biodiversity. <i>Journal of Applied Ecology</i> , <b>2012</b> , 49, 182-191	5.8	38
62	Evolution of a stream ecosystem in recently deglaciated terrain. <i>Ecology</i> , <b>2011</b> , 92, 1924-35	4.6	37

61	Alpine Stream Temperature Response to Storm Events. <i>Journal of Hydrometeorology</i> , <b>2007</b> , 8, 952-967	3.7	37
60	ARISE: a classification tool for Alpine River and Stream Ecosystems. <i>Freshwater Biology</i> , <b>2009</b> , 54, 1357-1369	3.6	36
59	Effects of fire on the hydrology, biogeochemistry, and ecology of peatland river systems. <i>Freshwater Science</i> , <b>2015</b> , 34, 1406-1425	2	34
58	Alpine river ecosystem response to glacial and anthropogenic flow pulses. <i>Freshwater Science</i> , <b>2015</b> , 34, 1201-1215	2	34
57	Food web complexity and allometric scaling relationships in stream mesocosms: implications for experimentation. <i>Journal of Animal Ecology</i> , <b>2011</b> , 80, 884-95	4.7	33
56	Food web structure in a harsh glacier-fed river. <i>PLoS ONE</i> , <b>2013</b> , 8, e60899	3.7	33
55	Persistence and stability of macroinvertebrate communities in streams of Denali National Park, Alaska: implications for biological monitoring. <i>Freshwater Biology</i> , <b>2006</b> , 51, 373-387	3.1	32
54	Extreme Climatic Events Alter Aquatic Food Webs: A Synthesis of Evidence from a Mesocosm Drought Experiment. <i>Advances in Ecological Research</i> , <b>2013</b> , 48, 343-395	4.6	30
53	Endemic freshwater invertebrates from southern France: Diversity, distribution and conservation implications. <i>Biological Conservation</i> , <b>2009</b> , 142, 2613-2619	6.2	30
52	Water source dynamics of high Arctic river basins. <i>Hydrological Processes</i> , <b>2014</b> , 28, 3521-3538	3.3	29
51	Predicting river ecosystem response to glacial meltwater dynamics: a case study of quantitative water sourcing and glaciality index approaches. <i>Aquatic Sciences</i> , <b>2010</b> , 72, 325-334	2.5	28
50	Numerical modelling of spatio-temporal thermal heterogeneity in a complex river system. <i>Journal of Hydrology</i> , <b>2012</b> , 414-415, 491-502	6	27
49	Biodiversity and ecosystem functioning in natural bog pools and those created by rewetting schemes. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2015</b> , 2, 65-84	5.7	27
48	Impact of prescribed burning on blanket peat hydrology. <i>Water Resources Research</i> , <b>2015</b> , 51, 6472-6484	5.4	26
47	Thermal variability and stream flow permanency in an alpine river system. <i>River Research and Applications</i> , <b>2006</b> , 22, 493-501	2.3	26
46	Fire decreases near-surface hydraulic conductivity and macropore flow in blanket peat. <i>Hydrological Processes</i> , <b>2014</b> , 28, 2868-2876	3.3	25
45	Rotational vegetation burning effects on peatland stream ecosystems. <i>Journal of Applied Ecology</i> , <b>2013</b> , 50, 636-648	5.8	25
44	The Multitrophic Effects of Climate Change and Glacier Retreat in Mountain Rivers. <i>BioScience</i> , <b>2017</b> , 67, 897-911	5.7	24

43	Decadal-scale changes of the Benwinkelvees, central Austria, suggest increasing control of topography and evolution towards steady state. <i>Geografiska Annaler, Series A: Physical Geography</i> , <b>2015</b> , 97, 543-562	1.1	24
42	Vegetation management with fire modifies peatland soil thermal regime. <i>Journal of Environmental Management</i> , <b>2015</b> , 154, 166-76	7.9	23
41	Environmental drivers of macroinvertebrate communities in high Arctic rivers (Svalbard). <i>Freshwater Biology</i> , <b>2014</b> , 59, 378-391	3.1	23
40	Coupling virtual watersheds with ecosystem services assessment: a 21st century platform to support river research and management. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2015</b> , 2, 609-621	5.7	21
39	River ecosystem response to prescribed vegetation burning on Blanket Peatland. <i>PLoS ONE</i> , <b>2013</b> , 8, e81023	3.7	21
38	Glacier-groundwater stress gradients control alpine river biodiversity. <i>Ecohydrology</i> , <b>2016</b> , 9, 1263-1275	2.5	20
37	Prescribed burning, atmospheric pollution and grazing effects on peatland vegetation composition. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 559-569	5.8	19
36	Stream ecosystem responses to an extreme rainfall event across multiple catchments in southeast Alaska. <i>Freshwater Biology</i> , <b>2015</b> , 60, 2523-2534	3.1	17
35	Water temperature dynamics in High Arctic river basins. <i>Hydrological Processes</i> , <b>2012</b> , 27, n/a-n/a	3.3	16
34	Declining glacier cover threatens the biodiversity of alpine river diatom assemblages. <i>Global Change Biology</i> , <b>2018</b> , 24, 5828-5840	11.4	15
33	Evaluating the use of dominant microbial consumers (testate amoebae) as indicators of blanket peatland restoration. <i>Ecological Indicators</i> , <b>2016</b> , 69, 318-330	5.8	13
32	River ecosystem resilience to extreme flood events. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 8354-8363	2.8	12
31	Forest clearfelling effects on dissolved oxygen and metabolism in peatland streams. <i>Journal of Environmental Management</i> , <b>2016</b> , 166, 250-9	7.9	11
30	Spatial and seasonal variability of peatland stream ecosystems. <i>Ecohydrology</i> , <b>2011</b> , 4, 577-588	2.5	10
29	Macroinvertebrate community assembly in pools created during peatland restoration. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 361-372	10.2	10
28	Antagonistic effects of biological invasion and environmental warming on detritus processing in freshwater ecosystems. <i>Oecologia</i> , <b>2017</b> , 183, 875-886	2.9	9
27	Postactivation Potentiation of Bench Press Throw Performance Using Velocity-Based Conditioning Protocols with Low and Moderate Loads. <i>Journal of Human Kinetics</i> , <b>2019</b> , 68, 81-98	2.6	9
26	Macrofaunal Ecology of Sedimented Hydrothermal Vents in the Bransfield Strait, Antarctica. <i>Frontiers in Marine Science</i> , <b>2016</b> , 3,	4.5	9

25	The changing water cycle: the need for an integrated assessment of the resilience to changes in water supply in High-Mountain Asia. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2018</b> , 5, e1258	5.7	9
24	High Concentrations of Pharmaceuticals in a Nigerian River Catchment. <i>Environmental Toxicology and Chemistry</i> , <b>2020</b> ,	3.8	8
23	Transformation of detritus by a European native and two invasive alien freshwater decapods. <i>Biological Invasions</i> , <b>2018</b> , 20, 1799-1808	2.7	8
22	Moorland vegetation burning debates should avoid contextomy and anachronism: a comment on Davies et al. (2016). <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371,	5.8	8
21	Organic sediment pulses impact rivers across multiple levels of ecological organization. <i>Ecohydrology</i> , <b>2017</b> , 10, e1855	2.5	8
20	Trait-based ecology at large scales: Assessing functional trait correlations, phylogenetic constraints and spatial variability using open data. <i>Global Change Biology</i> , <b>2020</b> , 26, 7255-7267	11.4	8
19	Sediment deposition from eroding peatlands alters headwater invertebrate biodiversity. <i>Global Change Biology</i> , <b>2019</b> , 25, 602-619	11.4	7
18	Podcasting and vodcasting to BSc Geography students. <i>Planet</i> , <b>2011</b> , 24, 62-67		6
17	Potential of Bench Press Throw Performance Using a Heavy Load and Velocity-Based Repetition Control. <i>Journal of Strength and Conditioning Research</i> , <b>2021</b> , 35, S72-S79	3.2	6
16	A global agenda for advancing freshwater biodiversity research. <i>Ecology Letters</i> , <b>2021</b> ,	10	6
15	Multi-faceted impacts of native and invasive alien decapod species on freshwater biodiversity and ecosystem functioning. <i>Freshwater Biology</i> , <b>2019</b> , 64, 461-473	3.1	6
14	Invasion success of a widespread invasive predator may be explained by a high predatory efficacy but may be influenced by pathogen infection. <i>Biological Invasions</i> , <b>2019</b> , 21, 3545-3560	2.7	4
13	Limited impacts of experimental flow releases on water quality and macroinvertebrate community composition in an upland regulated river. <i>Ecohydrology</i> , <b>2020</b> , 13, e2174	2.5	4
12	Mitigation of urbanization effects on aquatic ecosystems by synchronous ecological restoration. <i>Water Research</i> , <b>2021</b> , 204, 117587	12.5	4
11	Accelerated mass loss of Himalayan glaciers since the Little Ice Age.. <i>Scientific Reports</i> , <b>2021</b> , 11, 24284	4.9	4
10	Repeated high flows drive morphological change in rivers in recently deglaciated catchments. <i>Earth Surface Processes and Landforms</i> , <b>2021</b> , 46, 1294-1310	3.7	3
9	Hourly Prediction of Phytoplankton Biomass and Its Environmental Controls in Lowland Rivers. <i>Water Resources Research</i> , <b>2021</b> , 57, e2020WR028773	5.4	2
8	Fungal decomposition of river organic matter accelerated by decreasing glacier cover. <i>Nature Climate Change</i> , <b>2021</b> , 11, 349-353	21.4	2

7	Contextualizing UK moorland burning studies with geographical variables and sponsor identity. <i>Journal of Applied Ecology</i> , <b>2020</b> , 57, 2121-2131	5.8	1
6	Hydroecology of Alpine Rivers 339-360		1
5	Invasive alien shredders clear up invasive alien leaf litter. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 10049-10056	2.8	1
4	High concentrations of pharmaceuticals emerging as a threat to Himalayan water sustainability.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 29, 16749	5.1	0
3	Changes in EMG and movement velocity during a set to failure against different loads in the bench press exercise. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> , 31, 2071-2082	4.6	0
2	Extreme flood disturbance effects on multiple dimensions of river invertebrate community stability. <i>Journal of Animal Ecology</i> , <b>2021</b> , 90, 2135-2146	4.7	0
1	Biogeochemical Distinctiveness of Peatland Ponds, Thermokarst Waterbodies, and Lakes. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	0