Lee E Brown

List of Publications by Year
in descending order

99 papers	8,322 citations	81900 39 h-index	48315 88 g-index
100 all docs	100 docs citations	100 times ranked	10063 citing authors

#	Article	IF	Citations
1	High Concentrations of Pharmaceuticals in a Nigerian River Catchment. Environmental Toxicology and Chemistry, 2022, 41, 551-558.	4.3	25
2	A global agenda for advancing freshwater biodiversity research. Ecology Letters, 2022, 25, 255-263.	6.4	95
3	High concentrations of pharmaceuticals emerging as a threat to Himalayan water sustainability. Environmental Science and Pollution Research, 2022, 29, 16749-16757.	5.3	10
4	Alpine Streams and Rivers. , 2022, , .		1
5	Succession in Streams. , 2022, , .		0
6	Highâ€resolution waterâ€quality and ecosystemâ€metabolism modeling in lowland rivers. Limnology and Oceanography, 2022, 67, 1313-1327.	3.1	6
7	Biogeochemical Distinctiveness of Peatland Ponds, Thermokarst Waterbodies, and Lakes. Geophysical Research Letters, 2022, 49, .	4.0	11
8	Hourly Prediction of Phytoplankton Biomass and Its Environmental Controls in Lowland Rivers. Water Resources Research, 2021, 57, e2020WR028773.	4.2	14
9	Repeated high flows drive morphological change in rivers in recently deglaciated catchments. Earth Surface Processes and Landforms, 2021, 46, 1294-1310.	2.5	8
10	Fungal decomposition of river organic matter accelerated by decreasing glacier cover. Nature Climate Change, 2021, 11, 349-353.	18.8	17
11	Changes in EMG and movement velocity during a set to failure against different loads in the bench press exercise. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 2071-2082.	2.9	8
12	Extreme flood disturbance effects on multiple dimensions of river invertebrate community stability. Journal of Animal Ecology, 2021, 90, 2135-2146.	2.8	5
13	Mitigation of urbanization effects on aquatic ecosystems by synchronous ecological restoration. Water Research, 2021, 204, 117587.	11.3	22
14	Potentiation of Bench Press Throw Performance Using a Heavy Load and Velocity-Based Repetition Control. Journal of Strength and Conditioning Research, 2021, 35, S72-S79.	2.1	20
15	Accelerated mass loss of Himalayan glaciers since the Little Ice Age. Scientific Reports, 2021, 11, 24284.	3.3	45
16	Limited impacts of experimental flow releases on water quality and macroinvertebrate community composition in an upland regulated river. Ecohydrology, 2020, 13, e2174.	2.4	7
17	Traitâ€based ecology at large scales: Assessing functional trait correlations, phylogenetic constraints and spatial variability using open data. Global Change Biology, 2020, 26, 7255-7267.	9.5	28
18	Contextualizing UK moorland burning studies with geographical variables and sponsor identity. Journal of Applied Ecology, 2020, 57, 2121-2131.	4.0	3

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19	River dam impacts on biogeochemical cycling. Nature Reviews Earth & Environment, 2020, 1, 103-116.	29.7	372
20	Invasion success of a widespread invasive predator may be explained by a high predatory efficacy but may be influenced by pathogen infection. Biological Invasions, 2019, 21, 3545-3560.	2.4	11
21	Sediment deposition from eroding peatlands alters headwater invertebrate biodiversity. Global Change Biology, 2019, 25, 602-619.	9.5	15
22	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. Science Advances, 2019, 5, eaav0486.	10.3	133
23	Multiâ€faceted impacts of native and invasive alien decapod species on freshwater biodiversity and ecosystem functioning. Freshwater Biology, 2019, 64, 461-473.	2.4	12
24	Postactivation Potentiation of Bench Press Throw Performance Using Velocity-Based Conditioning Protocols with Low and Moderate Loads. Journal of Human Kinetics, 2019, 68, 81-98.	1.5	28
25	Transformation of detritus by a European native and two invasive alien freshwater decapods. Biological Invasions, 2018, 20, 1799-1808.	2.4	12
26	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
27	The changing water cycle: the need for an integrated assessment of the resilience to changes in water supply in Highâ€Mountain Asia. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1258.	6.5	12
28	Prescribed burning, atmospheric pollution and grazing effects on peatland vegetation composition. Journal of Applied Ecology, 2018, 55, 559-569.	4.0	25
29	Invasive alien shredders clear up invasive alien leaf litter. Ecology and Evolution, 2018, 8, 10049-10056.	1.9	2
30	Declining glacier cover threatens the biodiversity of alpine river diatom assemblages. Global Change Biology, 2018, 24, 5828-5840.	9.5	28
31	River ecosystem resilience to extreme flood events. Ecology and Evolution, 2018, 8, 8354-8363.	1.9	23
32	Antagonistic effects of biological invasion and environmental warming on detritus processing in freshwater ecosystems. Oecologia, 2017, 183, 875-886.	2.0	13
33	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
34	Organic sediment pulses impact rivers across multiple levels of ecological organization. Ecohydrology, 2017, 10, e1855.	2.4	11
35	Widespread, routine occurrence of pharmaceuticals in sewage effluent, combined sewer overflows and receiving waters. Environmental Pollution, 2017, 220, 1447-1455.	7.5	95
36	The Multitrophic Effects of Climate Change and Glacier Retreat in Mountain Rivers. BioScience, 2017, 67, 897-911.	4.9	45

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37	Macrofaunal Ecology of Sedimented Hydrothermal Vents in the Bransfield Strait, Antarctica. Frontiers in Marine Science, 2016, 3, .	2.5	11
38	Glacierâ€“groundwater stress gradients control alpine river biodiversity. Ecohydrology, 2016, 9, 1263-1275.	2.4	29
39	Drought rewires the cores of food webs. Nature Climate Change, 2016, 6, 875-878.	18.8	57
40	The effects of climatic fluctuations and extreme events on running water ecosystems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150274.	4.0	131
41	Macroinvertebrate community assembly in pools created during peatland restoration. Science of the Total Environment, 2016, 569-570, 361-372.	8.0	19
42	Moorland vegetation burning debates should avoid contextomy and anachronism: a comment on Davies et al . (2016). Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20160432.	4.0	8
43	Evaluating the use of dominant microbial consumers (testate amoebae) as indicators of blanket peatland restoration. Ecological Indicators, 2016, 69, 318-330.	6.3	18
44	Forest clearfelling effects on dissolved oxygen and metabolism in peatland streams. Journal of Environmental Management, 2016, 166, 250-259.	7.8	18
45	Biodiversity and ecosystem functioning in natural bog pools and those created by rewetting schemes. Wiley Interdisciplinary Reviews: Water, 2015, 2, 65-84.	6.5	36
46	Stream ecosystem responses to an extreme rainfall event across multiple catchments in southeast <scp>A</scp>laska. Freshwater Biology, 2015, 60, 2523-2534.	2.4	20
47	Alpine river ecosystem response to glacial and anthropogenic flow pulses. Freshwater Science, 2015, 34, 1201-1215.	1.8	38
48	Impact of prescribed burning on blanket peat hydrology. Water Resources Research, 2015, 51, 6472-6484.	4.2	33
49	Coupling virtual watersheds with ecosystem services assessment: a 21st century platform to support river research and management. Wiley Interdisciplinary Reviews: Water, 2015, 2, 609-621.	6.5	29
50	Decadalâ€scale changes of the Ã¶denwinkelkees, central austria, suggest increasing control of topography and evolution towards steady state. Geografiska Annaler, Series A: Physical Geography, 2015, 97, 543-562.	1.5	25
51	Vegetation management with fire modifies peatland soil thermal regime. Journal of Environmental Management, 2015, 154, 166-176.	7.8	28
52	Effects of fire on the hydrology, biogeochemistry, and ecology of peatland river systems. Freshwater Science, 2015, 34, 1406-1425.	1.8	45
53	Fire effects on aquatic ecosystems: an assessment of the current state of the science. Freshwater Science, 2015, 34, 1340-1350.	1.8	132
54	A critical analysis of regulated river ecosystem responses to managed environmental flows from reservoirs. Freshwater Biology, 2015, 60, 410-425.	2.4	94

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55	Environmental drivers of macroinvertebrate communities in high <scp>A</scp>rctic rivers (<scp>S</scp>valbard). Freshwater Biology, 2014, 59, 378-391.	2.4	25
56	Water source dynamics of high Arctic river basins. Hydrological Processes, 2014, 28, 3521-3538.	2.6	35
57	Fire decreases near-surface hydraulic conductivity and macropore flow in blanket peat. Hydrological Processes, 2014, 28, 2868-2876.	2.6	38
58	Water temperature dynamics in High Arctic river basins. Hydrological Processes, 2013, 27, 2958-2972.	2.6	26
59	Major flood disturbance alters river ecosystemÂevolution. Nature Climate Change, 2013, 3, 137-141.	18.8	61
60	Contemporary geomorphological activity throughout the proglacial area of an alpine catchment. Geomorphology, 2013, 188, 83-95.	2.6	65
61	Drought alters the structure and functioning of complex food webs. Nature Climate Change, 2013, 3, 223-227.	18.8	199
62	Global Synthesis and Critical Evaluation of Pharmaceutical Data Sets Collected from River Systems. Environmental Science & Technology, 2013, 47, 661-677.	10.0	608
63	Extreme Climatic Events Alter Aquatic Food Webs. Advances in Ecological Research, 2013, 48, 343-395.	2.7	39
64	Rotational vegetation burning effects on peatland stream ecosystems. Journal of Applied Ecology, 2013, 50, 636-648.	4.0	28
65	Food Web Structure in a Harsh Glacier-Fed River. PLoS ONE, 2013, 8, e60899.	2.5	40
66	River Ecosystem Response to Prescribed Vegetation Burning on Blanket peatland. PLoS ONE, 2013, 8, e81023.	2.5	26
67	Rapid loss of glacial ice reveals stream community assembly processes. Global Change Biology, 2012, 18, 2195-2204.	9.5	68
68	Biodiversity, Species Interactions and Ecological Networks in a Fragmented World. Advances in Ecological Research, 2012, 46, 89-210.	2.7	284
69	Flow regulation alters alpine river thermal regimes. Journal of Hydrology, 2012, 464-465, 505-516.	5.4	54
70	Climate change impacts in multispecies systems: drought alters food web size structure in a field experiment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2990-2997.	4.0	74
71	Biodiversity under threat in glacier-fed riverÂsystems. Nature Climate Change, 2012, 2, 361-364.	18.8	265
72	Catchmentâ€scale peatland restoration benefits stream ecosystem biodiversity. Journal of Applied Ecology, 2012, 49, 182-191.	4.0	48

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73	Numerical modelling of spatio-temporal thermal heterogeneity in a complex river system. Journal of Hydrology, 2012, 414-415, 491-502.	5.4	34
74	Evolution of a stream ecosystem in recently deglaciated terrain. Ecology, 2011, 92, 1924-1935.	3.2	46
75	Podcasting and vodcasting to BSc Geography students. Planet, 2011, 24, 62-67.	0.1	9
76	Food web complexity and allometric scaling relationships in stream mesocosms: implications for experimentation. Journal of Animal Ecology, 2011, 80, 884-895.	2.8	40
77	Impact of simulated drought on ecosystem biomass production: an experimental test in stream mesocosms. Global Change Biology, 2011, 17, 2288-2297.	9.5	100
78	Spatial and seasonal variability of peatland stream ecosystems. Ecohydrology, 2011, 4, 577-588.	2.4	10
79	A Comparison of Muscle Activation Between a Smith Machine and Free Weight Bench Press. Journal of Strength and Conditioning Research, 2010, 24, 779-784.	2.1	96
80	Climate change and freshwater ecosystems: impacts across multiple levels of organization. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2093-2106.	4.0	924
81	Predicting river ecosystem response to glacial meltwater dynamics: a case study of quantitative water sourcing and glaciality index approaches. Aquatic Sciences, 2010, 72, 325-334.	1.5	29
82	Ecological Networks in a Changing Climate. Advances in Ecological Research, 2010, , 71-138.	2.7	110
83	Hydroecological response of river systems to shrinking glaciers. Hydrological Processes, 2009, 23, 62-77.	2.6	254
84	ARISE: a classification tool for Alpine RIver and Stream Ecosystems. Freshwater Biology, 2009, 54, 1357-1369.	2.4	38
85	Review: Ecological networks â€“ beyond food webs. Journal of Animal Ecology, 2009, 78, 253-269.	2.8	765
86	Endemic freshwater invertebrates from southern France: Diversity, distribution and conservation implications. Biological Conservation, 2009, 142, 2613-2619.	4.1	31
87	Spatial heterogeneity of water temperature across an alpine river basin. Hydrological Processes, 2008, 22, 954-967.	2.6	81
88	Recent advances in stream and river temperature research. Hydrological Processes, 2008, 22, 902-918.	2.6	623
89	Alpine Stream Temperature Response to Storm Events. Journal of Hydrometeorology, 2007, 8, 952-967.	1.9	44
90	Integrating climateâ€“hydrologyâ€“ecology for alpine river systems. Aquatic Conservation: Marine and Freshwater Ecosystems, 2007, 17, 636-656.	2.0	95

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91	Groundwater influence on alpine stream ecosystems. Freshwater Biology, 2007, 52, 878-890.	2.4	69
92	Vulnerability of alpine stream biodiversity to shrinking glaciers and snowpacks. Global Change Biology, 2007, 13, 958-966.	9.5	258
93	Water source dynamics in a glacierized alpine river basin (Taillon-GabiÃ©tous, French PyrÃ©nÃ©es). Water Resources Research, 2006, 42, .	4.2	53
94	Hydroclimatological influences on water column and streambed thermal dynamics in an alpine river system. Journal of Hydrology, 2006, 325, 1-20.	5.4	55
95	Thermal variability and stream flow permanency in an alpine river system. River Research and Applications, 2006, 22, 493-501.	1.7	29
96	Persistence and stability of macroinvertebrate communities in streams of Denali National Park, Alaska: implications for biological monitoring. Freshwater Biology, 2006, 51, 373-387.	2.4	38
97	Stability and Persistence of Alpine Stream Macroinvertebrate Communities and the Role of Physicochemical Habitat Variables. Hydrobiologia, 2006, 560, 159-173.	2.0	56
98	Spatial and temporal water column and streambed temperature dynamics within an alpine catchment: implications for benthic communities. Hydrological Processes, 2005, 19, 1585-1610.	2.6	65
99	Hydroecology of Alpine Rivers. , 0, , 339-360.		1