# Lee E Brown

## List of Publications by Year in Descending Order

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**Version:** 2024-04-20

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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.

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|---|---|---|---|
| 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 | High concentrations of pharmaceuticals emerging as a threat to Himalayan water sustainability.. *Environmental Science and Pollution Research*, **2022**, 29, 16749 | 5.1 | 0 |
| 95 | Biogeochemical Distinctiveness of Peatland Ponds, Thermokarst Waterbodies, and Lakes. *Geophysical Research Letters*, **2022**, 49, | 4.9 | 0 |
| 94 | 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 | 3.2 | 6 |
| 93 | A global agenda for advancing freshwater biodiversity research. *Ecology Letters*, **2021**, | 10 | 6 |
| 92 | Hourly Prediction of Phytoplankton Biomass and Its Environmental Controls in Lowland Rivers. *Water Resources Research*, **2021**, 57, e2020WR028773 | 5.4 | 2 |
| 91 | Repeated high flows drive morphological change in rivers in recently deglaciated catchments. *Earth Surface Processes and Landforms*, **2021**, 46, 1294-1310 | 3.7 | 3 |
| 90 | Fungal decomposition of river organic matter accelerated by decreasing glacier cover. *Nature Climate Change*, **2021**, 11, 349-353 | 21.4 | 2 |
| 89 | 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 | 4.6 | 0 |
| 88 | Extreme flood disturbance effects on multiple dimensions of river invertebrate community stability. *Journal of Animal Ecology*, **2021**, 90, 2135-2146 | 4.7 | 0 |
| 87 | Mitigation of urbanization effects on aquatic ecosystems by synchronous ecological restoration. *Water Research*, **2021**, 204, 117587 | 12.5 | 4 |
| 86 | Accelerated mass loss of Himalayan glaciers since the Little Ice Age.. *Scientific Reports*, **2021**, 11, 24284 | 4.9 | 4 |
| 85 | High Concentrations of Pharmaceuticals in a Nigerian River Catchment. *Environmental Toxicology and Chemistry*, **2020**, | 3.8 | 8 |
| 84 | Contextualizing UK moorland burning studies with geographical variables and sponsor identity. *Journal of Applied Ecology*, **2020**, 57, 2121-2131 | 5.8 | 1 |
| 83 | River dam impacts on biogeochemical cycling. *Nature Reviews Earth & Environment*, **2020**, 1, 103-116 | 30.2 | 147 |
| 82 | Limited impacts of experimental flow releases on water quality and macroinvertebrate community composition in an upland regulated river. *Ecohydrology*, **2020**, 13, e2174 | 2.5 | 4 |
| 81 | Trait-based ecology at large scales: Assessing functional trait correlations, phylogenetic constraints and spatial variability using open data. *Global Change Biology*, **2020**, 26, 7255-7267 | 11.4 | 8 |
| 80 | 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 | 2.7 | 4 |

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| 79 | 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 | 2.6 | 9 |
| 78 | Sediment deposition from eroding peatlands alters headwater invertebrate biodiversity. *Global Change Biology*, **2019**, 25, 602-619 | 11.4 | 7 |
| 77 | Global patterns and drivers of ecosystem functioning in rivers and riparian zones. *Science Advances*, **2019**, 5, eaav0486 | 14.3 | 70 |
| 76 | Multi-faceted impacts of native and invasive alien decapod species on freshwater biodiversity and ecosystem functioning. *Freshwater Biology*, **2019**, 64, 461-473 | 3.1 | 6 |
| 75 | Transformation of detritus by a European native and two invasive alien freshwater decapods. *Biological Invasions*, **2018**, 20, 1799-1808 | 2.7 | 8 |
| 74 | Functional diversity and community assembly of river invertebrates show globally consistent responses to decreasing glacier cover. *Nature Ecology and Evolution*, **2018**, 2, 325-333 | 12.3 | 47 |
| 73 | River ecosystem resilience to extreme flood events. *Ecology and Evolution*, **2018**, 8, 8354-8363 | 2.8 | 12 |
| 72 | The changing water cycle: the need for an integrated assessment of the resilience to changes in water supply in High-Mountain Asia. *Wiley Interdisciplinary Reviews: Water*, **2018**, 5, e1258 | 5.7 | 9 |
| 71 | Prescribed burning, atmospheric pollution and grazing effects on peatland vegetation composition. *Journal of Applied Ecology*, **2018**, 55, 559-569 | 5.8 | 19 |
| 70 | Invasive alien shredders clear up invasive alien leaf litter. *Ecology and Evolution*, **2018**, 8, 10049-10056 | 2.8 | 1 |
| 69 | Declining glacier cover threatens the biodiversity of alpine river diatom assemblages. *Global Change Biology*, **2018**, 24, 5828-5840 | 11.4 | 15 |
| 68 | Antagonistic effects of biological invasion and environmental warming on detritus processing in freshwater ecosystems. *Oecologia*, **2017**, 183, 875-886 | 2.9 | 9 |
| 67 | 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 | 11.5 | 235 |
| 66 | Organic sediment pulses impact rivers across multiple levels of ecological organization. *Ecohydrology*, **2017**, 10, e1855 | 2.5 | 8 |
| 65 | Widespread, routine occurrence of pharmaceuticals in sewage effluent, combined sewer overflows and receiving waters. *Environmental Pollution*, **2017**, 220, 1447-1455 | 9.3 | 77 |
| 64 | The Multitrophic Effects of Climate Change and Glacier Retreat in Mountain Rivers. *BioScience*, **2017**, 67, 897-911 | 5.7 | 24 |
| 63 | 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, | 5.8 | 8 |
| 62 | Evaluating the use of dominant microbial consumers (testate amoebae) as indicators of blanket peatland restoration. *Ecological Indicators*, **2016**, 69, 318-330 | 5.8 | 13 |

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| 61 | Forest clearfelling effects on dissolved oxygen and metabolism in peatland streams. *Journal of Environmental Management*, **2016**, 166, 250-9 | 7.9 | 11 |
| 60 | Macrofaunal Ecology of Sedimented Hydrothermal Vents in the Bransfield Strait, Antarctica. *Frontiers in Marine Science*, **2016**, 3, | 4.5 | 9 |
| 59 | Glacier–groundwater stress gradients control alpine river biodiversity. *Ecohydrology*, **2016**, 9, 1263-1275 | 2.5 | 20 |
| 58 | Drought rewires the cores of food webs. *Nature Climate Change*, **2016**, 6, 875-878 | 21.4 | 42 |
| 57 | 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 |
| 56 | Macroinvertebrate community assembly in pools created during peatland restoration. *Science of the Total Environment*, **2016**, 569-570, 361-372 | 10.2 | 10 |
| 55 | Vegetation management with fire modifies peatland soil thermal regime. *Journal of Environmental Management*, **2015**, 154, 166-76 | 7.9 | 23 |
| 54 | Effects of fire on the hydrology, biogeochemistry, and ecology of peatland river systems. *Freshwater Science*, **2015**, 34, 1406-1425 | 2 | 34 |
| 53 | Fire effects on aquatic ecosystems: an assessment of the current state of the science. *Freshwater Science*, **2015**, 34, 1340-1350 | 2 | 86 |
| 52 | A critical analysis of regulated river ecosystem responses to managed environmental flows from reservoirs. *Freshwater Biology*, **2015**, 60, 410-425 | 3.1 | 74 |
| 51 | Biodiversity and ecosystem functioning in natural bog pools and those created by rewetting schemes. *Wiley Interdisciplinary Reviews: Water*, **2015**, 2, 65-84 | 5.7 | 27 |
| 50 | Stream ecosystem responses to an extreme rainfall event across multiple catchments in southeast Alaska. *Freshwater Biology*, **2015**, 60, 2523-2534 | 3.1 | 17 |
| 49 | Alpine river ecosystem response to glacial and anthropogenic flow pulses. *Freshwater Science*, **2015** , 34, 1201-1215 | 2 | 34 |
| 48 | Impact of prescribed burning on blanket peat hydrology. *Water Resources Research*, **2015**, 51, 6472-6484 | 5.4 | 26 |
| 47 | 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 | 5.7 | 21 |
| 46 | Decadal-scale changes of the Ödenwinkelkees, central austria, suggest increasing control of topography and evolution towards steady state. *Geografiska Annaler, Series A: Physical Geography*, **2015**, 97, 543-562 | 1.1 | 24 |
| 45 | Environmental drivers of macroinvertebrate communities in high Arctic rivers (Svalbard). *Freshwater Biology*, **2014**, 59, 378-391 | 3.1 | 23 |
| 44 | Water source dynamics of high Arctic river basins. *Hydrological Processes*, **2014**, 28, 3521-3538 | 3.3 | 29 |

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| 43 | Fire decreases near-surface hydraulic conductivity and macropore flow in blanket peat. *Hydrological Processes*, **2014**, 28, 2868-2876 | 3.3 | 25 |
| 42 | Major flood disturbance alters river ecosystem evolution. *Nature Climate Change*, **2013**, 3, 137-141 | 21.4 | 44 |
| 41 | Contemporary geomorphological activity throughout the proglacial area of an alpine catchment. *Geomorphology*, **2013**, 188, 83-95 | 4.3 | 57 |
| 40 | Drought alters the structure and functioning of complex food webs. *Nature Climate Change*, **2013**, 3, 223-227 | 21.4 | 162 |
| 39 | Global synthesis and critical evaluation of pharmaceutical data sets collected from river systems. *Environmental Science & Technology*, **2013**, 47, 661-77 | 10.3 | 490 |
| 38 | Extreme Climatic Events Alter Aquatic Food Webs: A Synthesis of Evidence from a Mesocosm Drought Experiment. *Advances in Ecological Research*, **2013**, 48, 343-395 | 4.6 | 30 |
| 37 | Rotational vegetation burning effects on peatland stream ecosystems. *Journal of Applied Ecology*, **2013**, 50, 636-648 | 5.8 | 25 |
| 36 | Food web structure in a harsh glacier-fed river. *PLoS ONE*, **2013**, 8, e60899 | 3.7 | 33 |
| 35 | River ecosystem response to prescribed vegetation burning on Blanket Peatland. *PLoS ONE*, **2013**, 8, e81023 | 3.7 | 21 |
| 34 | Numerical modelling of spatio-temporal thermal heterogeneity in a complex river system. *Journal of Hydrology*, **2012**, 414-415, 491-502 | 6 | 27 |
| 33 | Rapid loss of glacial ice reveals stream community assembly processes. *Global Change Biology*, **2012** , 18, 2195-2204 | 11.4 | 60 |
| 32 | Biodiversity, Species Interactions and Ecological Networks in a Fragmented World. *Advances in Ecological Research*, **2012**, 46, 89-210 | 4.6 | 213 |
| 31 | Flow regulation alters alpine river thermal regimes. *Journal of Hydrology*, **2012**, 464-465, 505-516 | 6 | 40 |
| 30 | 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, 2990-7 | 5.8 | 59 |
| 29 | Biodiversity under threat in glacier-fed river systems. *Nature Climate Change*, **2012**, 2, 361-364 | 21.4 | 210 |
| 28 | Water temperature dynamics in High Arctic river basins. *Hydrological Processes*, **2012**, 27, n/a-n/a | 3.3 | 16 |
| 27 | Catchment-scale peatland restoration benefits stream ecosystem biodiversity. *Journal of Applied Ecology*, **2012**, 49, 182-191 | 5.8 | 38 |
| 26 | Evolution of a stream ecosystem in recently deglaciated terrain. *Ecology*, **2011**, 92, 1924-35 | 4.6 | 37 |

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| 25 | Podcasting and vodcasting to BSc Geography students. *Planet*, **2011**, 24, 62-67 | | 6 |
| 24 | Food web complexity and allometric scaling relationships in stream mesocosms: implications for experimentation. *Journal of Animal Ecology*, **2011**, 80, 884-95 | 4.7 | 33 |
| 23 | Impact of simulated drought on ecosystem biomass production: an experimental test in stream mesocosms. *Global Change Biology*, **2011**, 17, 2288-2297 | 11.4 | 90 |
| 22 | Spatial and seasonal variability of peatland stream ecosystems. *Ecohydrology*, **2011**, 4, 577-588 | 2.5 | 10 |
| 21 | Ecological Networks in a Changing Climate. *Advances in Ecological Research*, **2010**, 71-138 | 4.6 | 89 |
| 20 | A comparison of muscle activation between a Smith machine and free weight bench press. *Journal of Strength and Conditioning Research*, **2010**, 24, 779-84 | 3.2 | 68 |
| 19 | Climate change and freshwater ecosystems: impacts across multiple levels of organization. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 2093-106 | 5.8 | 702 |
| 18 | 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 | 2.5 | 28 |
| 17 | Hydroecological response of river systems to shrinking glaciers. *Hydrological Processes*, **2009**, 23, 62-77 | 3.3 | 208 |
| 16 | ARISE: a classification tool for Alpine RIver and Stream Ecosystems. *Freshwater Biology*, **2009**, 54, 1357-1369 | 3.1 | 36 |
| 15 | Ecological networks--beyond food webs. *Journal of Animal Ecology*, **2009**, 78, 253-69 | 4.7 | 615 |
| 14 | Endemic freshwater invertebrates from southern France: Diversity, distribution and conservation implications. *Biological Conservation*, **2009**, 142, 2613-2619 | 6.2 | 30 |
| 13 | Spatial heterogeneity of water temperature across an alpine river basin. *Hydrological Processes*, **2008**, 22, 954-967 | 3.3 | 68 |
| 12 | Recent advances in stream and river temperature research. *Hydrological Processes*, **2008**, 22, 902-918 | 3.3 | 529 |
| 11 | Integrating climate–hydrology–ecology for alpine river systems. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2007**, 17, 636-656 | 2.6 | 82 |
| 10 | Groundwater influence on alpine stream ecosystems. *Freshwater Biology*, **2007**, 52, 878-890 | 3.1 | 56 |
| 9 | Vulnerability of alpine stream biodiversity to shrinking glaciers and snowpacks. *Global Change Biology*, **2007**, 13, 958-966 | 11.4 | 227 |
| 8 | Alpine Stream Temperature Response to Storm Events. *Journal of Hydrometeorology*, **2007**, 8, 952-967 | 3.7 | 37 |

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| 7 | Water source dynamics in a glacierized alpine river basin (Taillon-Gabiétous, French Pyrénées). *Water Resources Research*, **2006**, 42, | 5.4 | 49 |
| 6 | Hydroclimatological influences on water column and streambed thermal dynamics in an alpine river system. *Journal of Hydrology*, **2006**, 325, 1-20 | 6 | 51 |
| 5 | Thermal variability and stream flow permanency in an alpine river system. *River Research and Applications*, **2006**, 22, 493-501 | 2.3 | 26 |
| 4 | Persistence and stability of macroinvertebrate communities in streams of Denali National Park, Alaska: implications for biological monitoring. *Freshwater Biology*, **2006**, 51, 373-387 | 3.1 | 32 |
| 3 | Stability and Persistence of Alpine Stream Macroinvertebrate Communities and the Role of Physicochemical Habitat Variables. *Hydrobiologia*, **2006**, 560, 159-173 | 2.4 | 48 |
| 2 | Spatial and temporal water column and streambed temperature dynamics within an alpine catchment: implications for benthic communities. *Hydrological Processes*, **2005**, 19, 1585-1610 | 3.3 | 58 |
| 1 | Hydroecology of Alpine Rivers339-360 | | 1 |