

# David Bruce Lewis

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,702  
citations

331670  
21  
h-index

289244  
40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Why is calcite a strong phosphorus sink in freshwater? Investigating the adsorption mechanism using batch experiments and surface complexation modeling. Chemosphere, 2022, 286, 131596.	8.2	7
2	Genetic and Epigenetic Differentiation Across Intertidal Gradients in the Foundation Plant <i>Spartina alterniflora</i> . Frontiers in Ecology and Evolution, 2022, 10, .	2.2	2
3	Benthic jellyfish dominate water mixing in mangrove ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	5
4	Inheritance of DNA methylation differences in the mangrove <i>Rhizophora mangle</i> . Evolution & Development, 2021, 23, 351-374.	2.0	13
5	Evolutionary Dynamics of Treatment-Induced Resistance in Cancer Informs Understanding of Rapid Evolution in Natural Systems. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	9
6	Stream network variation in dissolved oxygen: Metabolism proxies and biogeochemical controls. Ecological Indicators, 2021, 131, 108233.	6.3	9
7	Carbon and nitrogen pools and mobile fractions in surface soils across a mangrove saltmarsh ecotone. Science of the Total Environment, 2021, 798, 149328.	8.0	12
8	Trait Response to Nitrogen and Salinity in <i>Rhizophora mangle</i> Propagules and Variation by Maternal Family and Population of Origin. Frontiers in Marine Science, 2021, 8, .	2.5	2
9	Rapid and Intense Phosphate Desorption Kinetics When Saltwater Intrudes into Carbonate Rock. Estuaries and Coasts, 2017, 40, 1301-1313.	2.2	4
10	Saltwater intrusion as potential driver of phosphorus release from limestone bedrock in a coastal aquifer. Estuarine, Coastal and Shelf Science, 2017, 184, 166-176.	2.1	35
11	Enhancing protection for vulnerable waters. Nature Geoscience, 2017, 10, 809-815.	12.9	141
12	Response of wetland soil carbon to groundwater conservation: Probabilistic outcomes from error propagation. Ecological Indicators, 2016, 60, 538-547.	6.3	6
13	Do geographically isolated wetlands influence landscape functions?. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1978-1986.	7.1	297
14	Control of phosphorus concentration through adsorption and desorption in shallow groundwater of subtropical carbonate estuary. Estuarine, Coastal and Shelf Science, 2016, 169, 238-247.	2.1	14
15	Connecting carbon and nitrogen storage in rural wetland soil to groundwater abstraction for urban water supply. Global Change Biology, 2015, 21, 1704-1714.	9.5	15
16	Geographically Isolated Wetlands are Important Biogeochemical Reactors on the Landscape. BioScience, 2015, 65, 408-418.	4.9	163
17	Legacies of agriculture and urbanization in labile and stable organic carbon and nitrogen in Sonoran Desert soils. Ecosphere, 2014, 5, 1-18.	2.2	22
18	Multivariate relationships influencing crop yields during the transition to organic management. Agriculture, Ecosystems and Environment, 2014, 189, 119-126.	5.3	17

#	ARTICLE	IF	CITATIONS
19	Forest succession, soil carbon accumulation, and rapid nitrogen storage in poorly remineralized soil organic matter. <i>Ecology</i> , 2014, 95, 2687-2693.	3.2	40
20	Effects of flooding and warming on soil organic matter mineralization in <i>Avicennia germinans</i> mangrove forests and <i>Juncus roemerianus</i> salt marshes. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 139, 11-19.	2.1	94
21	Modeling soil parameters using hyperspectral image reflectance in subtropical coastal wetlands. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 33, 47-56.	2.8	63
22	Hydrologic characterization of 56 geographically isolated wetlands in west-central Florida using a probabilistic method. <i>Wetlands Ecology and Management</i> , 2013, 21, 1-14.	1.5	27
23	Response of soil nitrogen retention to the interactive effects of soil texture, hydrology, and organic matter. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 280-290.	3.0	33
24	Coupling Biogeochemistry and Hydopedology to Advance Carbon and Nitrogen Cycling Science. , 2012, , 711-735.		6
25	Inorganic nitrogen immobilization in live and sterile soil of old-growth conifer and hardwood forests: implications for ecosystem nitrogen retention. <i>Biogeochemistry</i> , 2012, 111, 169-186.	3.5	34
26	Labile carbon and other soil quality indicators in two tillage systems during transition to organic agriculture. <i>Renewable Agriculture and Food Systems</i> , 2011, 26, 342-353.	1.8	33
27	HIERARCHICAL REGULATION OF NITROGEN EXPORT FROM URBAN CATCHMENTS: INTERACTIONS OF STORMS AND LANDSCAPES. <i>Ecological Applications</i> , 2007, 17, 2347-2364.	3.8	65
28	Subsystems, flowpaths, and the spatial variability of nitrogen in a fluvial ecosystem. <i>Landscape Ecology</i> , 2007, 22, 911-924.	4.2	23
29	Agrarian legacy in soil nutrient pools of urbanizing arid lands. <i>Global Change Biology</i> , 2006, 12, 703-709.	9.5	48
30	The Spatial Structure of Variability in a Semi-arid, Fluvial Ecosystem. <i>Ecosystems</i> , 2006, 9, 386-397.	3.4	21
31	Plasticity in Resource Allocation and Nitrogen-use Efficiency in Riparian Vegetation: Implications for Nitrogen Retention. <i>Ecosystems</i> , 2006, 9, 740-755.	3.4	10
32	Landscape-scale Variation in Taxonomic Diversity in Four Groups of Aquatic Organisms: The Influence of Physical, Chemical, and Biological Properties. <i>Ecosystems</i> , 2005, 8, 301-317.	3.4	21
33	Effects of urbanization on nutrient biogeochemistry of aridland streams. <i>Geophysical Monograph Series</i> , 2004, , 129-146.	0.1	9
34	Linking Optimal Foraging Behavior to Bird Community Structure in an Urbanâ€Desert Landscape: Field Experiments with Artificial Food Patches. <i>American Naturalist</i> , 2004, 164, 232-243.	2.1	144
35	Spatially heterogeneous refugia and predation risk in intertidal salt marshes. <i>Oikos</i> , 2002, 96, 119-129.	2.7	66
36	TRADE-OFFS BETWEEN GROWTH AND SURVIVAL: RESPONSES OF FRESHWATER SNAILS TO PREDACIOUS CRAYFISH. <i>Ecology</i> , 2001, 82, 758-765.	3.2	45

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37	Trade-Offs between Growth and Survival: Responses of Freshwater Snails to Predacious Crayfish. Ecology, 2001, 82, 758.	3.2	2
38	Distribution of recreational boating across lakes: do landscape variables affect recreational use?. Freshwater Biology, 2000, 43, 439-448.	2.4	43
39	Landscape spatial patterns in freshwater snail assemblages across Northern Highland catchments. Freshwater Biology, 2000, 43, 409-420.	2.4	51
40	Intraspecific gastropod shell strength variation among north temperate lakes. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 1687-1695.	1.4	39
41	Intraspecific gastropod shell strength variation among north temperate lakes. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 1687-1695.	1.4	11