

# David Bruce Lewis

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,702  
citations

331259

21  
h-index

315357

38  
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. <i>Chemosphere</i> , 2022, 286, 131596.	4.2	7
2	Genetic and Epigenetic Differentiation Across Intertidal Gradients in the Foundation Plant <i>Spartina alterniflora</i> . <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	2
3	Benthic jellyfish dominate water mixing in mangrove ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	5
4	Inheritance of DNA methylation differences in the mangrove <i>Rhizophora mangle</i> . <i>Evolution &amp; Development</i> , 2021, 23, 351-374.	1.1	13
5	Evolutionary Dynamics of Treatment-Induced Resistance in Cancer Informs Understanding of Rapid Evolution in Natural Systems. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	9
6	Stream network variation in dissolved oxygen: Metabolism proxies and biogeochemical controls. <i>Ecological Indicators</i> , 2021, 131, 108233.	2.6	9
7	Carbon and nitrogen pools and mobile fractions in surface soils across a mangrove saltmarsh ecotone. <i>Science of the Total Environment</i> , 2021, 798, 149328.	3.9	12
8	Trait Response to Nitrogen and Salinity in <i>Rhizophora mangle</i> Propagules and Variation by Maternal Family and Population of Origin. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	2
9	Rapid and Intense Phosphate Desorption Kinetics When Saltwater Intrudes into Carbonate Rock. <i>Estuaries and Coasts</i> , 2017, 40, 1301-1313.	1.0	4
10	Saltwater intrusion as potential driver of phosphorus release from limestone bedrock in a coastal aquifer. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 184, 166-176.	0.9	35
11	Enhancing protection for vulnerable waters. <i>Nature Geoscience</i> , 2017, 10, 809-815.	5.4	141
12	Response of wetland soil carbon to groundwater conservation: Probabilistic outcomes from error propagation. <i>Ecological Indicators</i> , 2016, 60, 538-547.	2.6	6
13	Do geographically isolated wetlands influence landscape functions?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1978-1986.	3.3	297
14	Control of phosphorus concentration through adsorption and desorption in shallow groundwater of subtropical carbonate estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 169, 238-247.	0.9	14
15	Connecting carbon and nitrogen storage in rural wetland soil to groundwater abstraction for urban water supply. <i>Global Change Biology</i> , 2015, 21, 1704-1714.	4.2	15
16	Geographically Isolated Wetlands are Important Biogeochemical Reactors on the Landscape. <i>BioScience</i> , 2015, 65, 408-418.	2.2	163
17	Legacies of agriculture and urbanization in labile and stable organic carbon and nitrogen in Sonoran Desert soils. <i>Ecosphere</i> , 2014, 5, 1-18.	1.0	22
18	Multivariate relationships influencing crop yields during the transition to organic management. <i>Agriculture, Ecosystems and Environment</i> , 2014, 189, 119-126.	2.5	17

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19	Forest succession, soil carbon accumulation, and rapid nitrogen storage in poorly remineralized soil organic matter. <i>Ecology</i> , 2014, 95, 2687-2693.	1.5	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.	0.9	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.	1.4	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.	0.7	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.	1.3	33
24	Coupling Biogeochemistry and Hydropedology 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.	1.7	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.	0.8	33
27	HIERARCHICAL REGULATION OF NITROGEN EXPORT FROM URBAN CATCHMENTS: INTERACTIONS OF STORMS AND LANDSCAPES. <i>Ecological Applications</i> , 2007, 17, 2347-2364.	1.8	65
28	Subsystems, flowpaths, and the spatial variability of nitrogen in a fluvial ecosystem. <i>Landscape Ecology</i> , 2007, 22, 911-924.	1.9	23
29	Agrarian legacy in soil nutrient pools of urbanizing arid lands. <i>Global Change Biology</i> , 2006, 12, 703-709.	4.2	48
30	The Spatial Structure of Variability in a Semi-arid, Fluvial Ecosystem. <i>Ecosystems</i> , 2006, 9, 386-397.	1.6	21
31	Plasticity in Resource Allocation and Nitrogen-use Efficiency in Riparian Vegetation: Implications for Nitrogen Retention. <i>Ecosystems</i> , 2006, 9, 740-755.	1.6	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.	1.6	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.	1.0	144
35	Spatially heterogeneous refugia and predation risk in intertidal salt marshes. <i>Oikos</i> , 2002, 96, 119-129.	1.2	66
36	TRADE-OFFS BETWEEN GROWTH AND SURVIVAL: RESPONSES OF FRESHWATER SNAILS TO PREDACIOUS CRAYFISH. <i>Ecology</i> , 2001, 82, 758-765.	1.5	45

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37	TRADE-OFFS BETWEEN GROWTH AND SURVIVAL: RESPONSES OF FRESHWATER SNAILS TO PREDACIOUS CRAYFISH. , 2001, 82, 758.		2
38	Distribution of recreational boating across lakes: do landscape variables affect recreational use?. Freshwater Biology, 2000, 43, 439-448.	1.2	43
39	Landscape spatial patterns in freshwater snail assemblages across Northern Highland catchments. Freshwater Biology, 2000, 43, 409-420.	1.2	51
40	Intraspecific gastropod shell strength variation among north temperate lakes. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 1687-1695.	0.7	39