Scott G Leibowitz

List of Publications by Year
in descending order

64	3,305	136885	155592
papers	citations	32 h-index	55 g-index

69	69	69	3307
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wetland Flowpaths Mediate Nitrogen and Phosphorus Concentrations across the Upper Mississippi River Basin. Journal of the American Water Resources Association, 2023, 59, 1162-1179.	1.0	9
2	Vulnerable Waters are Essential to Watershed Resilience. Ecosystems, 2023, 26, 1-28.	1.6	21
3	Wildfires can increase regulated nitrate, arsenic, and disinfection byproduct violations and concentrations in public drinking water supplies. Science of the Total Environment, 2022, 804, 149890.	3.9	17
4	Geospatial Patterns of Antimicrobial Resistance Genes in the US EPA National Rivers and Streams Assessment Survey. Environmental Science & Technology, 2022, 56, 14960-14971.	4.6	16
5	Using hydrologic landscape classification and climatic time series to assess hydrologic vulnerability of the western U.S. to climate. Hydrology and Earth System Sciences, 2021, 25, 3179-3206.	1.9	2
6	Parsing Weather Variability and Wildfire Effects on the Postâ€Fire Changes in Daily Stream Flows: A Quantileâ€Based Statistical Approach and Its Application. Water Resources Research, 2021, 57, e2020WR028029.	1.7	19
7	Parsing Weather Variability and Wildfire Effects on the Post-Fire Changes in Daily Stream Flows : A Quantile-Based Statistical Approach and its Application.. Water Resources Research, 2021, 57, 1-20.	1.7	28
8	Applying the index of watershed integrity to the Matanuskaâ€“Susitna basin. Arctic, Antarctic, and Alpine Research, 2020, 52, 435-449.	0.4	2
9	The use of multiscale stressors with biological condition assessments: A framework to advance the assessment and management of streams. Science of the Total Environment, 2020, 737, 139699.	3.9	4
10	Patterns and predictions of drinking water nitrate violations across the conterminous United States. Science of the Total Environment, 2020, 722, 137661.	3.9	45
11	Adapting the Index of Watershed Integrity for Watershed Managers in the Western Balkans Region. Environmental Management, 2020, 65, 602-617.	1.2	5
12	A Hydrologic Landscapes Perspective on Groundwater Connectivity of Depressional Wetlands. Water (Switzerland), 2020, 12, 50.	1.2	20
13	Arsenic Drinking Water Violations Decreased across the United States Following Revision of the Maximum Contaminant Level. Environmental Science & Technology, 2019, 53, 11478-11485.	4.6	26
14	Seasonality of nitrogen balances in a Mediterranean climate watershed, Oregon, US. Biogeochemistry, 2019, 142, 247-264.	1.7	18
15	Watershed integrity and associations with gastrointestinal illness in the United States. Journal of Water and Health, 2019, 17, 978-988.	1.1	1
16	Revising the index of watershed integrity national maps. Science of the Total Environment, 2019, 651, 2615-2630.	3.9	13
17	Featured Collection Introduction: Connectivity of Streams and Wetlands to Downstream Waters. Journal of the American Water Resources Association, 2018, 54, 287-297.	1.0	30
18	Connectivity of Streams and Wetlands to Downstream Waters: An Integrated Systems Framework. Journal of the American Water Resources Association, 2018, 54, 298-322.	1.0	119

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19	Hydrological, Physical, and Chemical Functions and Connectivity of Nonâ€Floodplain Wetlands to Downstream Waters: A Review. Journal of the American Water Resources Association, 2018, 54, 346-371.	1.0	86
20	Biota Connect Aquatic Habitats throughout Freshwater Ecosystem Mosaics. Journal of the American Water Resources Association, 2018, 54, 372-399.	1.0	45
21	The Lake-Catchment (LakeCat) Dataset: characterizing landscape features for lake basins within the conterminous USA. Freshwater Science, 2018, 37, 208-221.	0.9	35
22	Estimating Wetland Connectivity to Streams in the Prairie Pothole Region: An Isotopic and Remote Sensing Approach. Water Resources Research, 2018, 54, 955-977.	1.7	46
23	Mapping watershed integrity for the conterminous United States. Ecological Indicators, 2018, 85, 1133-1148.	2.6	40
24	Performance of National Maps of Watershed Integrity at Watershed Scales. Water (Switzerland), 2018, 10, 604.	1.2	13
25	Assessing the accuracy and stability of variable selection methods for random forest modeling in ecology. Environmental Monitoring and Assessment, 2017, 189, 316.	1.3	112
26	Enhancing protection for vulnerable waters. Nature Geoscience, 2017, 10, 809-815.	5.4	141
27	Trends in Drinking Water Nitrate Violations Across the United States. Environmental Science & Technology, 2017, 51, 13450-13460.	4.6	136
28	Predictive mapping of the biotic condition of conterminous <scp>U.S.</scp> rivers and streams. Ecological Applications, 2017, 27, 2397-2415.	1.8	55
29	Simulated juvenile salmon growth and phenology respond to altered thermal regimes and stream network shape. Ecosphere, 2017, 8, 1-23.	1.0	106
30	Hydrologic Landscape Characterization for the Pacific Northwest, USA. Journal of the American Water Resources Association, 2016, 52, 473-493.	1.0	18
31	Intermittent Surface Water Connectivity: Fill and Spill Vs. Fill and Merge Dynamics. Wetlands, 2016, 36, 323-342.	0.7	71
32	A Watershed Integrity Definition and Assessment Approach to Support Strategic Management of Watersheds. River Research and Applications, 2016, 32, 1654-1671.	0.7	68
33	The Streamâ€Catchment (StreamCat) Dataset: A Database of Watershed Metrics for the Conterminous United States. Journal of the American Water Resources Association, 2016, 52, 120-128.	1.0	189
34	Quantifying groundwater dependency of riparian surface hydrologic features using the exit gradient. Hydrological Processes, 2016, 30, 2167-2177.	1.1	2
35	Do geographically isolated wetlands influence landscape functions?. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1978-1986.	3.3	297
36	Geographically Isolated Wetlands: Why We Should Keep the Term. Wetlands, 2015, 35, 997-1003.	0.7	38

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37	Rethinking the longitudinal stream temperature paradigm: region-wide comparison of thermal infrared imagery reveals unexpected complexity of river temperatures. Hydrological Processes, 2015, 29, 4719-4737.	1.1	107
38	GRACE storage-runoff hystereses reveal the dynamics of regional watersheds. Hydrology and Earth System Sciences, 2015, 19, 3253-3272.	1.9	37
39	Validation of Rapid Assessment Methods to Determine Streamflow Duration Classes in the Pacific Northwest, USA. Environmental Management, 2015, 56, 34-53.	1.2	25
40	Predicting the occurrence of cold-water patches at intermittent and ephemeral tributary confluences with warm rivers. Freshwater Science, 2015, 34, 111-124.	0.9	51
41	Hydrologic landscape classification evaluates streamflow vulnerability to climate change in Oregon, USA. Hydrology and Earth System Sciences, 2014, 18, 3367-3392.	1.9	19
42	Use of Hydrologic Landscape Classification to Diagnose Streamflow Predictability in Oregon. Journal of the American Water Resources Association, 2014, 50, 762-776.	1.0	17
43	How does spatial variability of climate affect catchment streamflow predictions?. Journal of Hydrology, 2014, 517, 135-145.	2.3	14
44	Comparing the Extent and Permanence of Headwater Streams From Two Field Surveys to Values From Hydrographic Databases and Maps. Journal of the American Water Resources Association, 2013, 49, 867-882.	1.0	87
45	Oregon Hydrologic Landscapes: A Classification Framework¹. Journal of the American Water Resources Association, 2013, 49, 163-182.	1.0	38
46	A temperatureâ€precipitationâ€based model of thirtyâ€year mean snowpack accumulation and melt in Oregon, USA. Hydrological Processes, 2012, 26, 741-759.	1.1	15
47	Modeling Stream Network-Scale Variation in Coho Salmon Overwinter Survival and Smolt Size. Transactions of the American Fisheries Society, 2009, 138, 564-580.	0.6	14
48	Hierarchical Modeling of Late-Summer Weight and Summer Abundance of Juvenile Coho Salmon across a Stream Network. Transactions of the American Fisheries Society, 2009, 138, 1138-1156.	0.6	32
49	Non-navigable streams and adjacent wetlands: addressing science needs following the Supreme Court'sRapanosdecision. Frontiers in Ecology and the Environment, 2008, 6, 364-371.	1.9	106
50	Juvenile Coho Salmon Growth and Survival across Stream Network Seasonal Habitats. Transactions of the American Fisheries Society, 2006, 135, 1681-1697.	0.6	102
51	Integrated coastal reserve planning: making the landâ€“sea connection. Frontiers in Ecology and the Environment, 2005, 3, 429-436.	1.9	90
52	Temporal connectivity in a prairie pothole complex. Wetlands, 2003, 23, 13-25.	0.7	123
53	Isolated wetlands: An introduction to the special issue. Wetlands, 2003, 23, 471-474.	0.7	10
54	Isolated wetlands and their functions: An ecological perspective. Wetlands, 2003, 23, 517-531.	0.7	186

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55	Isolated wetlands: State-of-the-science and future directions. Wetlands, 2003, 23, 663-684.	0.7	52
56	Prioritizing Wetland Restoration for Sediment Yield Reduction: A Conceptual Model. Environmental Management, 2003, 31, 301-312.	1.2	8
57	Indicators of wetland condition for the prairie pothole region of the United States. Environmental Monitoring and Assessment, 2002, 78, 229-252.	1.3	33
58	JSEM: a framework for identifying and evaluating indicators. , 2001, 66, 207-232.		17
59	A synoptic assessment for prioritizing wetland restoration efforts to optimize flood attenuation. Wetlands, 2000, 20, 70-83.	0.7	60
60	A General Framework for Prioritizing Land Units for Ecological Protection and Restoration. Environmental Management, 2000, 25, 23-35.	1.2	50
61	Modeling landscape functions and effects: a network approach. Ecological Modelling, 2000, 132, 77-94.	1.2	43
62	Use of Scale Invariance in Evaluating Judgement Indicators. Environmental Monitoring and Assessment, 1999, 58, 283-303.	1.3	11
63	ENVIRONMENTAL AUDITING: A Synoptic Approach for Assessing Cumulative Impacts to Wetlands. Environmental Management, 1997, 21, 457-475.	1.2	51
64	The Impact and Mitigation of Man-Made Canals in Coastal Louisiana. Water Science and Technology, 1984, 16, 497-504.	1.2	7