

Scott G Leibowitz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7160089/publications.pdf>

Version: 2024-02-01

64
papers

3,305
citations

136740

32
h-index

155451

55
g-index

69
all docs

69
docs citations

69
times ranked

3307
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Isolated wetlands and their functions: An ecological perspective. Wetlands, 2003, 23, 517-531.	0.7	186
4	Enhancing protection for vulnerable waters. Nature Geoscience, 2017, 10, 809-815.	5.4	141
5	Trends in Drinking Water Nitrate Violations Across the United States. Environmental Science & Technology, 2017, 51, 13450-13460.	4.6	136
6	Temporal connectivity in a prairie pothole complex. Wetlands, 2003, 23, 13-25.	0.7	123
7	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
8	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
9	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
10	Non-navigable streams and adjacent wetlands: addressing science needs following the Supreme Court's Rapanos decision. Frontiers in Ecology and the Environment, 2008, 6, 364-371.	1.9	106
11	Simulated juvenile salmon growth and phenology respond to altered thermal regimes and stream network shape. Ecosphere, 2017, 8, 1-23.	1.0	106
12	Juvenile Coho Salmon Growth and Survival across Stream Network Seasonal Habitats. Transactions of the American Fisheries Society, 2006, 135, 1681-1697.	0.6	102
13	Integrated coastal reserve planning: making the landâ€sea connection. Frontiers in Ecology and the Environment, 2005, 3, 429-436.	1.9	90
14	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
15	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
16	Intermittent Surface Water Connectivity: Fill and Spill Vs. Fill and Merge Dynamics. Wetlands, 2016, 36, 323-342.	0.7	71
17	A Watershed Integrity Definition and Assessment Approach to Support Strategic Management of Watersheds. River Research and Applications, 2016, 32, 1654-1671.	0.7	68
18	A synoptic assessment for prioritizing wetland restoration efforts to optimize flood attenuation. Wetlands, 2000, 20, 70-83.	0.7	60

#	ARTICLE	IF	CITATIONS
19	Predictive mapping of the biotic condition of conterminous <scp>U.S.</scp> rivers and streams. <i>Ecological Applications</i> , 2017, 27, 2397-2415.	1.8	55
20	Isolated wetlands: State-of-the-science and future directions. <i>Wetlands</i> , 2003, 23, 663-684.	0.7	52
21	ENVIRONMENTAL AUDITING: A Synoptic Approach for Assessing Cumulative Impacts to Wetlands. <i>Environmental Management</i> , 1997, 21, 457-475.	1.2	51
22	Predicting the occurrence of cold-water patches at intermittent and ephemeral tributary confluences with warm rivers. <i>Freshwater Science</i> , 2015, 34, 111-124.	0.9	51
23	A General Framework for Prioritizing Land Units for Ecological Protection and Restoration. <i>Environmental Management</i> , 2000, 25, 23-35.	1.2	50
24	Estimating Wetland Connectivity to Streams in the Prairie Pothole Region: An Isotopic and Remote Sensing Approach. <i>Water Resources Research</i> , 2018, 54, 955-977.	1.7	46
25	Biota Connect Aquatic Habitats throughout Freshwater Ecosystem Mosaics. <i>Journal of the American Water Resources Association</i> , 2018, 54, 372-399.	1.0	45
26	Patterns and predictions of drinking water nitrate violations across the conterminous United States. <i>Science of the Total Environment</i> , 2020, 722, 137661.	3.9	45
27	Modeling landscape functions and effects: a network approach. <i>Ecological Modelling</i> , 2000, 132, 77-94.	1.2	43
28	Mapping watershed integrity for the conterminous United States. <i>Ecological Indicators</i> , 2018, 85, 1133-1148.	2.6	40
29	Oregon Hydrologic Landscapes: A Classification Framework¹. <i>Journal of the American Water Resources Association</i> , 2013, 49, 163-182.	1.0	38
30	Geographically Isolated Wetlands: Why We Should Keep the Term. <i>Wetlands</i> , 2015, 35, 997-1003.	0.7	38
31	GRACE storage-runoff hystereses reveal the dynamics of regional watersheds. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3253-3272.	1.9	37
32	The Lake-Catchment (LakeCat) Dataset: characterizing landscape features for lake basins within the conterminous USA. <i>Freshwater Science</i> , 2018, 37, 208-221.	0.9	35
33	Indicators of wetland condition for the prairie pothole region of the United States. <i>Environmental Monitoring and Assessment</i> , 2002, 78, 229-252.	1.3	33
34	Hierarchical Modeling of Late-Summer Weight and Summer Abundance of Juvenile Coho Salmon across a Stream Network. <i>Transactions of the American Fisheries Society</i> , 2009, 138, 1138-1156.	0.6	32
35	Featured Collection Introduction: Connectivity of Streams and Wetlands to Downstream Waters. <i>Journal of the American Water Resources Association</i> , 2018, 54, 287-297.	1.0	30
36	Parsing Weather Variability and Wildfire Effects on the Post-Fire Changes in Daily Stream Flows : A Quantile-Based Statistical Approach and its Application.. <i>Water Resources Research</i> , 2021, 57, 1-20.	1.7	28

#	ARTICLE	IF	CITATIONS
37	Arsenic Drinking Water Violations Decreased across the United States Following Revision of the Maximum Contaminant Level. <i>Environmental Science & Technology</i> , 2019, 53, 11478-11485.	4.6	26
38	Validation of Rapid Assessment Methods to Determine Streamflow Duration Classes in the Pacific Northwest, USA. <i>Environmental Management</i> , 2015, 56, 34-53.	1.2	25
39	Vulnerable Waters are Essential to Watershed Resilience. <i>Ecosystems</i> , 2023, 26, 1-28.	1.6	21
40	A Hydrologic Landscapes Perspective on Groundwater Connectivity of Depressional Wetlands. <i>Water (Switzerland)</i> , 2020, 12, 50.	1.2	20
41	Hydrologic landscape classification evaluates streamflow vulnerability to climate change in Oregon, USA. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 3367-3392.	1.9	19
42	Parsing Weather Variability and Wildfire Effects on the Post-Fire Changes in Daily Stream Flows: A Quantile-Based Statistical Approach and Its Application. <i>Water Resources Research</i> , 2021, 57, e2020WR028029.	1.7	19
43	Hydrologic Landscape Characterization for the Pacific Northwest, USA. <i>Journal of the American Water Resources Association</i> , 2016, 52, 473-493.	1.0	18
44	Seasonality of nitrogen balances in a Mediterranean climate watershed, Oregon, US. <i>Biogeochemistry</i> , 2019, 142, 247-264.	1.7	18
45	JSEM: a framework for identifying and evaluating indicators. , 2001, 66, 207-232.		17
46	Use of Hydrologic Landscape Classification to Diagnose Streamflow Predictability in Oregon. <i>Journal of the American Water Resources Association</i> , 2014, 50, 762-776.	1.0	17
47	Wildfires can increase regulated nitrate, arsenic, and disinfection byproduct violations and concentrations in public drinking water supplies. <i>Science of the Total Environment</i> , 2022, 804, 149890.	3.9	17
48	Geospatial Patterns of Antimicrobial Resistance Genes in the US EPA National Rivers and Streams Assessment Survey. <i>Environmental Science & Technology</i> , 2022, 56, 14960-14971.	4.6	16
49	A temperature-precipitation-based model of thirty-year mean snowpack accumulation and melt in Oregon, USA. <i>Hydrological Processes</i> , 2012, 26, 741-759.	1.1	15
50	Modeling Stream Network-Scale Variation in Coho Salmon Overwinter Survival and Smolt Size. <i>Transactions of the American Fisheries Society</i> , 2009, 138, 564-580.	0.6	14
51	How does spatial variability of climate affect catchment streamflow predictions?. <i>Journal of Hydrology</i> , 2014, 517, 135-145.	2.3	14
52	Performance of National Maps of Watershed Integrity at Watershed Scales. <i>Water (Switzerland)</i> , 2018, 10, 604.	1.2	13
53	Revising the index of watershed integrity national maps. <i>Science of the Total Environment</i> , 2019, 651, 2615-2630.	3.9	13
54	Use of Scale Invariance in Evaluating Judgement Indicators. <i>Environmental Monitoring and Assessment</i> , 1999, 58, 283-303.	1.3	11

#	ARTICLE	IF	CITATIONS
55	Isolated wetlands: An introduction to the special issue. <i>Wetlands</i> , 2003, 23, 471-474.	0.7	10
56	Wetland Flowpaths Mediate Nitrogen and Phosphorus Concentrations across the Upper Mississippi River Basin. <i>Journal of the American Water Resources Association</i> , 2023, 59, 1162-1179.	1.0	9
57	Prioritizing Wetland Restoration for Sediment Yield Reduction: A Conceptual Model. <i>Environmental Management</i> , 2003, 31, 301-312.	1.2	8
58	The Impact and Mitigation of Man-Made Canals in Coastal Louisiana. <i>Water Science and Technology</i> , 1984, 16, 497-504.	1.2	7
59	Adapting the Index of Watershed Integrity for Watershed Managers in the Western Balkans Region. <i>Environmental Management</i> , 2020, 65, 602-617.	1.2	5
60	The use of multiscale stressors with biological condition assessments: A framework to advance the assessment and management of streams. <i>Science of the Total Environment</i> , 2020, 737, 139699.	3.9	4
61	Quantifying groundwater dependency of riparian surface hydrologic features using the exit gradient. <i>Hydrological Processes</i> , 2016, 30, 2167-2177.	1.1	2
62	Applying the index of watershed integrity to the Matanuska-Susitna basin. <i>Arctic, Antarctic, and Alpine Research</i> , 2020, 52, 435-449.	0.4	2
63	Using hydrologic landscape classification and climatic time series to assess hydrologic vulnerability of the western U.S. to climate. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 3179-3206.	1.9	2
64	Watershed integrity and associations with gastrointestinal illness in the United States. <i>Journal of Water and Health</i> , 2019, 17, 978-988.	1.1	1