

Seth J Wenger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1369429/publications.pdf>

Version: 2024-02-01

73
papers

4,828
citations

186265

28
h-index

98798

67
g-index

81
all docs

81
docs citations

81
times ranked

6038
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinctive Connectivities of Near-Stream and Watershed-Wide Land Uses Differentially Degrade Rural Aquatic Ecosystems. <i>BioScience</i> , 2022, 72, 144-159.	4.9	5
2	Toward Improved Understanding of Streamflow Effects on Freshwater Fishes. <i>Fisheries</i> , 2022, 47, 290-298.	0.8	18
3	Trade-offs Between the Value of Ecosystem Services and Connectivity Among Protected Areas in the Upper Chattahoochee Watershed. <i>Environmental Management</i> , 2022, 69, 937-951.	2.7	3
4	A strategic monitoring approach for learning to improve natural infrastructure. <i>Science of the Total Environment</i> , 2022, 832, 155078.	8.0	9
5	Climate, Fire Regime, Geomorphology, and Conspecifics Influence the Spatial Distribution of Chinook Salmon Redds. <i>Transactions of the American Fisheries Society</i> , 2021, 150, 8-23.	1.4	9
6	Mixed evidence for biotic homogenization of Southern Appalachian fish communities. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1397-1406.	1.4	5
7	Large portion of USA streams lose protection with new interpretation of Clean Water Act. <i>Freshwater Science</i> , 2021, 40, 252-258.	1.8	17
8	Do crayfish affect stream ecosystem response to riparian vegetation removal?. <i>Freshwater Biology</i> , 2021, 66, 1423-1435.	2.4	5
9	Prioritization of Vulnerable Species Under Scenarios of Anthropogenic-Driven Change in Georgia's Coastal Plain. <i>Journal of Fish and Wildlife Management</i> , 2021, , .	0.9	0
10	Not just trash birds: Quantifying avian diversity at landfills using community science data. <i>PLoS ONE</i> , 2021, 16, e0255391.	2.5	14
11	Phylogenetic conservatism drives nutrient dynamics of coral reef fishes. <i>Nature Communications</i> , 2021, 12, 5432.	12.8	10
12	Slow Recovery of Headwater-Stream Fishes Following a Catastrophic Poisoning Event. <i>Journal of Fish and Wildlife Management</i> , 2021, 12, 362-372.	0.9	3
13	Application of multiple population viability analysis to evaluate species recovery alternatives. <i>Conservation Biology</i> , 2020, 34, 482-493.	4.7	6
14	Taxonomic identity best explains variation in body nutrient stoichiometry in a diverse marine animal community. <i>Scientific Reports</i> , 2020, 10, 13718.	3.3	16
15	Rethinking foundation species in a changing world: The case for <i>Rhododendron maximum</i> as an emerging foundation species in shifting ecosystems of the southern Appalachians. <i>Forest Ecology and Management</i> , 2020, 472, 118240.	3.2	12
16	Incorporating spatial synchrony in the status assessment of a threatened species with multivariate analysis. <i>Biological Conservation</i> , 2020, 248, 108612.	4.1	6
17	Predation of loggerhead sea turtle eggs across Georgia's barrier islands. <i>Global Ecology and Conservation</i> , 2020, 23, e01139.	2.1	14
18	Governance of Payments for Ecosystem Ecosystem services influences social and environmental outcomes in Costa Rica. <i>Ecological Economics</i> , 2020, 174, 106659.	5.7	22

#	ARTICLE	IF	CITATIONS
19	Ignoring temperature variation leads to underestimation of the temperature sensitivity of plant litter decomposition. <i>Ecosphere</i> , 2020, 11, e03050.	2.2	8
20	Streamwater nutrients stimulate respiration and breakdown of standardized detrital substrates across a landscape gradient: Effects of nitrogen, phosphorus, and carbon quality. <i>Freshwater Science</i> , 2020, 39, 101-114.	1.8	8
21	Freshwater crabs (Decapoda: Pseudothelphusidae) increase rates of leaf breakdown in a neotropical headwater stream. <i>Freshwater Biology</i> , 2020, 65, 1673-1684.	2.4	8
22	Age truncation of alewife in Lake Michigan. <i>Journal of Great Lakes Research</i> , 2019, 45, 958-968.	1.9	3
23	Illuminating hotspots of imperiled aquatic biodiversity in the southeastern US. <i>Global Ecology and Conservation</i> , 2019, 19, e00654.	2.1	26
24	Better Model Transfers Require Knowledge of Mechanisms. <i>Trends in Ecology and Evolution</i> , 2019, 34, 489-490.	8.7	10
25	The missing dead: The lost role of animal remains in nutrient cycling in North American Rivers. <i>Food Webs</i> , 2019, 18, e00106.	1.2	27
26	Hierarchical multi-population viability analysis. <i>Ecology</i> , 2019, 100, e02538.	3.2	15
27	Do characteristics of pollinator-friendly gardens predict the diversity, abundance, and reproduction of butterflies?. <i>Insect Conservation and Diversity</i> , 2018, 11, 370-382.	3.0	29
28	States and rates: Complementary approaches to developing flow-ecology relationships. <i>Freshwater Biology</i> , 2018, 63, 906-916.	2.4	37
29	Multi-scale assessment of forest cover in an agricultural landscape of Southeastern Brazil: Implications for management and conservation of stream habitat and water quality. <i>Ecological Indicators</i> , 2018, 85, 1181-1191.	6.3	34
30	The influence of land cover on the sensitivity of streams to metal pollution. <i>Water Research</i> , 2018, 144, 55-63.	11.3	8
31	Outstanding Challenges in the Transferability of Ecological Models. <i>Trends in Ecology and Evolution</i> , 2018, 33, 790-802.	8.7	403
32	Stream fish colonization but not persistence varies regionally across a large North American river basin. <i>Biological Conservation</i> , 2018, 223, 1-10.	4.1	3
33	Big biology meets microclimatology: defining thermal niches of ectotherms at landscape scales for conservation planning. <i>Ecological Applications</i> , 2017, 27, 977-990.	3.8	80
34	Estimation of daily stream water temperatures with a Bayesian regression approach. <i>Hydrological Processes</i> , 2017, 31, 1719-1733.	2.6	40
35	Viability analysis for multiple populations. <i>Biological Conservation</i> , 2017, 216, 69-77.	4.1	11
36	Satellite and Airborne Remote Sensing Applications for Freshwater Fisheries. <i>Fisheries</i> , 2017, 42, 526-537.	0.8	27

#	ARTICLE	IF	CITATIONS
37	The NorWeST Summer Stream Temperature Model and Scenarios for the Western U.S.: A Crowd-Sourced Database and New Geospatial Tools Foster a User Community and Predict Broad Climate Warming of Rivers and Streams. <i>Water Resources Research</i> , 2017, 53, 9181-9205.	4.2	187
38	Spatial and temporal variability in the effects of wildfire and drought on thermal habitat for a desert trout. <i>Journal of Arid Environments</i> , 2017, 145, 60-68.	2.4	28
39	Long-Term Monitoring Data Provide Evidence of Declining Species Richness in a River Valued for Biodiversity Conservation. <i>Journal of Fish and Wildlife Management</i> , 2017, 8, 418-434.	0.9	5
40	Trends and sensitivities of low streamflow extremes to discharge timing and magnitude in Pacific Northwest mountain streams. <i>Water Resources Research</i> , 2016, 52, 4990-5007.	4.2	75
41	Slow climate velocities of mountain streams portend their role as refugia for cold-water biodiversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4374-4379.	7.1	182
42	Urbanization and stream ecology: diverse mechanisms of change. <i>Freshwater Science</i> , 2016, 35, 272-277.	1.8	30
43	Watershed urbanization affects macroinvertebrate community structure and reduces biomass through similar pathways in Piedmont streams, Georgia, USA. <i>Freshwater Science</i> , 2016, 35, 676-688.	1.8	30
44	Urban Stream Ecology. <i>Agronomy</i> , 2015, , 341-352.	0.2	0
45	Metabolic theory and taxonomic identity predict nutrient recycling in a diverse food web. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2640-7.	7.1	68
46	Climate Change Adaptation and Restoration of Western Trout Streams: Opportunities and Strategies. <i>Fisheries</i> , 2015, 40, 304-317.	0.8	37
47	The Role of Complexity in Habitat Use and Selection by Stream Fishes in a Snake River Basin Tributary. <i>Transactions of the American Fisheries Society</i> , 2014, 143, 1177-1187.	1.4	15
48	Applications of spatial statistical network models to stream data. <i>Wiley Interdisciplinary Reviews: Water</i> , 2014, 1, 277-294.	6.5	139
49	Sensitivity of summer stream temperatures to climate variability in the Pacific Northwest. <i>Water Resources Research</i> , 2014, 50, 3428-3443.	4.2	106
50	Probabilistic accounting of uncertainty in forecasts of species distributions under climate change. <i>Global Change Biology</i> , 2013, 19, 3343-3354.	9.5	73
51	Modelling dendritic ecological networks in space: an integrated network perspective. <i>Ecology Letters</i> , 2013, 16, 707-719.	6.4	180
52	Influence of forest cover on in-stream large wood in an agricultural landscape of southeastern Brazil: a multi-scale analysis. <i>Landscape Ecology</i> , 2013, 28, 13-27.	4.2	23
53	Linking Climate Change and Fish Conservation Efforts Using Spatially Explicit Decision Support Tools. <i>Fisheries</i> , 2013, 38, 112-127.	0.8	34
54	Characterizing the Thermal Suitability of Instream Habitat for Salmonids: A Cautionary Example from the Rocky Mountains. <i>Transactions of the American Fisheries Society</i> , 2013, 142, 793-801.	1.4	21

#	ARTICLE	IF	CITATIONS
55	Potential effects of climate change on streambed scour and risks to salmonid survival in snow-dominated mountain basins. <i>Hydrological Processes</i> , 2013, 27, 750-765.	2.6	70
56	Assessing transferability of ecological models: an underappreciated aspect of statistical validation. <i>Methods in Ecology and Evolution</i> , 2012, 3, 260-267.	5.2	439
57	Use of recent and historical records to estimate status and trends of a rare and imperiled stream fish, <i>Percina jenkinsi</i> (Percidae). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 739-748.	1.4	10
58	Role of climate and invasive species in structuring trout distributions in the interior Columbia River Basin, USA. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 988-1008.	1.4	87
59	Land Use Associations with Distributions of Declining Native Fishes in the Upper Colorado River Basin. <i>Transactions of the American Fisheries Society</i> , 2011, 140, 646-658.	1.4	13
60	Flow regime, temperature, and biotic interactions drive differential declines of trout species under climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14175-14180.	7.1	484
61	Macroscale hydrologic modeling of ecologically relevant flow metrics. <i>Water Resources Research</i> , 2010, 46, .	4.2	118
62	Conservation planning for imperiled aquatic species in an urbanizing environment. <i>Landscape and Urban Planning</i> , 2010, 97, 11-21.	7.5	20
63	Urbanization and stream ecology: five years later. <i>Journal of the North American Benthological Society</i> , 2009, 28, 908-910.	3.1	26
64	Twenty-six key research questions in urban stream ecology: an assessment of the state of the science. <i>Journal of the North American Benthological Society</i> , 2009, 28, 1080-1098.	3.1	312
65	Impediments and Solutions to Sustainable, Watershed-Scale Urban Stormwater Management: Lessons from Australia and the United States. <i>Environmental Management</i> , 2008, 42, 344-359.	2.7	463
66	Use of Surrogates to Predict the Stressor Response of Imperiled Species. <i>Conservation Biology</i> , 2008, 22, 1564-1571.	4.7	22
67	ESTIMATING SPECIES OCCURRENCE, ABUNDANCE, AND DETECTION PROBABILITY USING ZERO-INFLATED DISTRIBUTIONS. <i>Ecology</i> , 2008, 89, 2953-2959.	3.2	197
68	Stream fish occurrence in response to impervious cover, historic land use, and hydrogeomorphic factors. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 1250-1264.	1.4	90
69	Importance of Riparian Forests in Urban Catchments Contingent on Sediment and Hydrologic Regimes. <i>Environmental Management</i> , 2006, 37, 523-539.	2.7	48
70	Investigating hydrologic alteration as a mechanism of fish assemblage shifts in urbanizing streams. <i>Journal of the North American Benthological Society</i> , 2005, 24, 656-678.	3.1	157
71	Classification of Vegetable Oils by FT-IR. <i>Applied Spectroscopy</i> , 1997, 51, 1118-1124.	2.2	62
72	Neotropical freshwater crabs (Decapoda: Pseudothelphusidae) shred leaves. <i>Nauplius</i> , 0, 28, .	0.3	4

#	ARTICLE	IF	CITATIONS
73	Have stream diatom assemblages changed a decade after the loss of a foundation riparian tree species in a headwater Appalachian watershed?. <i>Freshwater Science</i> , 0, , .	1.8	0