Robert H Hilderbrand

List of Publications by Year
in descending order

51 papers	1,818 citations	361413 20 h-index	276875 41 g-index
51 all docs	51 docs citations	51 times ranked	2231 citing authors

#	Article	IF	Citations
1	The Myths of Restoration Ecology. Ecology and Society, 2005, 10, .	2.3	322
2	Thresholds, breakpoints, and nonlinearity in freshwaters as related to management. Journal of the North American Benthological Society, 2010, 29, 988-997.	3.1	157
3	Forecasting the combined effects of urbanization and climate change on stream ecosystems: from impacts to management options. Journal of Applied Ecology, 2009, 46, 154-163.	4.0	144
4	Identifying regional differences in threshold responses of aquatic invertebrates to land cover gradients. Ecological Indicators, 2009, 9, 556-567.	6.3	109
5	Comparing the Fish and Benthic Macroinvertebrate Diversity of Restored Urban Streams to Reference Streams. Restoration Ecology, 2012, 20, 747-755.	2.9	98
6	Conserving Inland Cutthroat Trout in Small Streams: How Much Stream is Enough?. North American Journal of Fisheries Management, 2000, 20, 513-520.	1.0	92
7	Movement Patterns of Stream-Resident Cutthroat Trout in Beaver Creek, Idahoâ€“Utah. Transactions of the American Fisheries Society, 2000, 129, 1160-1170.	1.4	76
8	Brook Trout Declines with Land Cover and Temperature Changes in Maryland. North American Journal of Fisheries Management, 2008, 28, 1223-1232.	1.0	73
9	Regional differences in patterns of fish species loss with changing land use. Biological Conservation, 2010, 143, 688-699.	4.1	70
10	Influence of large woody debris on stream insect communities and benthic detritus. Hydrobiologia, 2000, 421, 179-185.	2.0	68
11	The roles of carrying capacity, immigration, and population synchrony on persistence of stream-resident cutthroat trout. Biological Conservation, 2003, 110, 257-266.	4.1	65
12	Applying thresholds to forecast potential biodiversity loss from human development. Journal of the North American Benthological Society, 2010, 29, 1009-1016.	3.1	47
13	Design Considerations for Large Woody Debris Placement in Stream Enhancement Projects. North American Journal of Fisheries Management, 1998, 18, 161-167.	1.0	37
14	Influence of Habitat Type on Food Supply, Selectivity, and Diet Overlap of Bonneville Cutthroat Trout and Nonnative Brook Trout in Beaver Creek, Idaho. North American Journal of Fisheries Management, 2004, 24, 33-40.	1.0	37
15	Simulating Supplementation Strategies for Restoring and Maintaining Stream Resident Cutthroat Trout Populations. North American Journal of Fisheries Management, 2002, 22, 879-887.	1.0	34
16	Variation in physicochemical responses to urbanization in streams between two Mid-Atlantic physiographic regions. , 2011, 21, 402-415.		34
17	Regional and Local Scale Modeling of Stream Temperatures and Spatio-Temporal Variation in Thermal Sensitivities. Environmental Management, 2014, 54, 14-22.	2.7	34
18	Are There Differences in Growth and Condition between Mobile and Resident Cutthroat Trout?. Transactions of the American Fisheries Society, 2004, 133, 1042-1046.	1.4	29

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19	Movements of Fluvial Bonneville Cutthroat Trout in the Thomas Fork of the Bear River, Idahoâ€“Wyoming. North American Journal of Fisheries Management, 2005, 25, 954-963.	1.0	27
20	Altered Ecological Flows Blur Boundaries in Urbanizing Watersheds. Ecology and Society, 2009, 14, .	2.3	27
21	Relations between Physical Habitat and American Eel Abundance in Five River Basins in Maryland. Transactions of the American Fisheries Society, 2004, 133, 515-526.	1.4	26
22	Interregional variation in urbanization-induced geomorphic change and macroinvertebrate habitat colonization in headwater streams. Journal of the North American Benthological Society, 2011, 30, 25-37.	3.1	20
23	Relationship Between Wetlands and Mercury in Brook Trout. Archives of Environmental Contamination and Toxicology, 2007, 52, 97-103.	4.1	16
24	Offshore Activity of Bats Along the Mid-Atlantic Coast. Northeastern Naturalist, 2014, 21, 154-163.	0.3	16
25	Habitat Sequencing and the Importance of Discharge in Inferences. North American Journal of Fisheries Management, 1999, 19, 198-202.	1.0	15
26	Assessing national park resource condition along an urbanâ€“rural gradient in and around Washington, DC, USA. Ecological Indicators, 2014, 42, 147-159.	6.3	14
27	A comparison of techniques to sample salamander assemblages along highland streams of Maryland. Environmental Monitoring and Assessment, 2009, 156, 1-16.	2.7	12
28	Rapid Visual Assessment to Determine Sex in Brook Trout. North American Journal of Fisheries Management, 2013, 33, 665-668.	1.0	12
29	Environmental <scp>DNA</scp> genetic monitoring of the nuisance freshwater diatom, Didymosphenia geminata, in eastern North American streams. Diversity and Distributions, 2017, 23, 381-393.	4.1	12
30	Headwater Stream Microbial Diversity and Function across Agricultural and Urban Land Use Gradients. Applied and Environmental Microbiology, 2020, 86, .	3.1	12
31	Hiding in Plain Sight: A Case for Cryptic Metapopulations in Brook Trout (Salvelinus fontinalis). PLoS ONE, 2016, 11, e0146295.	2.5	12
32	Spatial Structure of Morphological and Neutral Genetic Variation in Brook Trout. Transactions of the American Fisheries Society, 2015, 144, 480-490.	1.4	11
33	Evaluating population persistence of Delmarva fox squirrels and potential impacts of climate change. Biological Conservation, 2007, 137, 70-77.	4.1	9
34	Ecological Thresholds and Resilience in Streams. GeoPlanet: Earth and Planetary Sciences, 2015, , 461-478.	0.2	8
35	Microbial communities can predict the ecological condition of headwater streams. PLoS ONE, 2020, 15, e0236932.	2.5	7
36	A Comparison of Circle Hook Size on Hooking Success, Deep Hooking Rate, and Postrelease Mortality of Hatchery-Reared Rainbow Trout. North American Journal of Fisheries Management, 2016, 36, 254-258.	1.0	6

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37	A Comparison of Catchability and Mortality with Circle and J Hooks for Streamâ€Dwelling Brook Trout. North American Journal of Fisheries Management, 2016, 36, 259-266.	1.0	6
38	Fish and Benthic Macroinvertebrate Densities in Small Streams with and without American Eels. Transactions of the American Fisheries Society, 2014, 143, 700-708.	1.4	5
39	Using maximum entropy to predict suitable habitat for the endangered dwarf wedgemussel in the Maryland Coastal Plain. Aquatic Conservation: Marine and Freshwater Ecosystems, 2017, 27, 462-475.	2.0	5
40	Rapid Colonization of the Potomac River Drainage by the Rainbow Darter (<i>Etheostoma) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td	0.3	4
41	The Effects of Varied Densities on the Growth and Emigration of Adult Cutthroat Trout and Brook Trout in Fenced Stream Enclosures. Western North American Naturalist, 2009, 69, 371-381.	0.4	3
42	Spatiotemporal Stability Patterns of Brook Trout Abundance and Implications for Stream Research and Monitoring. North American Journal of Fisheries Management, 2017, 37, 353-362.	1.0	3
43	Mercury Concentrations in Northern Two-Lined Salamanders from Stream Ecosystems in Garrett County, Maryland. Archives of Environmental Contamination and Toxicology, 2018, 75, 17-24.	4.1	3
44	The role of dilution and differential predation in brood adoptions of the Midas cichlid (Amphilophus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	1
45	Variations in Tissue Mercury Contents in Three Species of Adult Salamanders in Streams in Western Maryland. Archives of Environmental Contamination and Toxicology, 2019, 76, 435-441.	4.1	0
46	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
47	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
48	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
49	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
50	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0
51	Microbial communities can predict the ecological condition of headwater streams. , 2020, 15, e0236932.		0