Dale M Robertson

List of Publications by Year
in descending order

74 papers	4,367 citations	147726 31 h-index	110317 64 g-index
121 all docs	121 docs citations	121 times ranked	4182 citing authors

#	Article	IF	Citations
1	Historical Trends in Lake and River Ice Cover in the Northern Hemisphere. Science, 2000, 289, 1743-1746.	6.0	1,061
2	Dynamics of the Lake Michigan food web, 1970Â–2000. Canadian Journal of Fisheries and Aquatic Sciences, 2002, 59, 736-753.	0.7	238
3	Nutrient Inputs to the Laurentian Great Lakes by Source and Watershed Estimated Using SPARROW Watershed Models1. Journal of the American Water Resources Association, 2011, 47, 1011-1033.	1.0	194
4	Linkages Between Nutrients and Assemblages of Macroinvertebrates and Fish in Wadeable Streams: Implication to Nutrient Criteria Development. Environmental Management, 2007, 39, 194-212.	1.2	192
5	Influence of various water quality sampling strategies on load estimates for small streams. Water Resources Research, 1999, 35, 3747-3759.	1.7	147
6	Lake ice records used to detect historical and future climatic changes. Climatic Change, 1992, 21, 407-427.	1.7	146
7	Multiple models guide strategies for agricultural nutrient reductions. Frontiers in Ecology and the Environment, 2017, 15, 126-132.	1.9	118
8	Changes in winter air temperatures near Lake Michigan, 1851â€1993, as determined from regional lakeâ€ice records. Limnology and Oceanography, 1995, 40, 165-176.	1.6	113
9	Evidence of recent warming and El NiÃ±oâ€related variations in ice breakup of Wisconsin lakes. Limnology and Oceanography, 1996, 41, 815-821.	1.6	113
10	Changes in the thermal structure of moderate to large sized lakes in response to changes in air temperature. Aquatic Sciences, 1990, 52, 360-380.	0.6	110
11	Effects of climate and land management change on streamflow in the driftless area of Wisconsin. Journal of Hydrology, 2008, 355, 123-130.	2.3	100
12	Seasonality of change: Summer warming rates do not fully represent effects of climate change on lake temperatures. Limnology and Oceanography, 2017, 62, 2168-2178.	1.6	80
13	Incorporating Uncertainty Into the Ranking of SPARROW Model Nutrient Yields From Mississippi/Atchafalaya River Basin Watersheds¹. Journal of the American Water Resources Association, 2009, 45, 534-549.	1.0	78
14	SPARROW Models Used to Understand Nutrient Sources in the Mississippi/Atchafalaya River Basin. Journal of Environmental Quality, 2013, 42, 1422-1440.	1.0	72
15	Sedimentary phosphorus cycling and a phosphorus mass balance for the Green Bay (Lake Michigan) ecosystem. Canadian Journal of Fisheries and Aquatic Sciences, 1997, 54, 10-26.	0.7	71
16	Trends and abrupt changes in 104 years of ice cover and water temperature in a dimictic lake in response to air temperature, wind speed, and water clarity drivers. Hydrology and Earth System Sciences, 2016, 20, 1681-1702.	1.9	69
17	Regional Effects of Agricultural Conservation Practices on Nutrient Transport in the Upper Mississippi River Basin. Environmental Science & Technology, 2016, 50, 6991-7000.	4.6	65
18	Loss of Ice Cover, Shifting Phenology, and More Extreme Events in Northern Hemisphere Lakes. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006348.	1.3	64

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19	Reducing Nitrogen Export from the Corn Belt to the Gulf of Mexico: Agricultural Strategies for Remediating Hypoxia. Journal of the American Water Resources Association, 2015, 51, 263-289.	1.0	63
20	Landscape Planning for Agricultural Nonpoint Source Pollution Reduction III: Assessing Phosphorus and Sediment Reduction Potential. Environmental Management, 2009, 43, 69-83.	1.2	62
21	Summer water clarity responses to phosphorus, Daphnia grazing, and internal mixing in Lake Mendota. Limnology and Oceanography, 1999, 44, 137-146.	1.6	61
22	Lake Number, a Quantitative Indicator of Mixing Used to Estimate Changes in Dissolved Oxygen. International Review of Hydrobiology, 1994, 79, 159-176.	0.6	54
23	Control of nitrogen and phosphorus transport by reservoirs in agricultural landscapes. Biogeochemistry, 2015, 124, 417-439.	1.7	52
24	Identifying Biotic Integrity and Water Chemistry Relations in Nonwadeable Rivers of Wisconsin: Toward the Development of Nutrient Criteria. Environmental Management, 2007, 40, 691-708.	1.2	51
25	A Multi-Agency Nutrient Dataset Used to Estimate Loads, Improve Monitoring Design, and Calibrate Regional Nutrient SPARROW Models1. Journal of the American Water Resources Association, 2011, 47, 933-949.	1.0	48
26	Western Lake Erie Basin: Soft-data-constrained, NHDPlus resolution watershed modeling and exploration of applicable conservation scenarios. Science of the Total Environment, 2016, 569-570, 1265-1281.	3.9	46
27	Regionalized Loads of Sediment and Phosphorus to Lakes Michigan and Superiorâ€"High Flow and Long-term Average. Journal of Great Lakes Research, 1997, 23, 416-439.	0.8	41
28	A Regional Classification Scheme for Estimating Reference Water Quality in Streams Using Land-Use-Adjusted Spatial Regression-Tree Analysis. Environmental Management, 2006, 37, 209-229.	1.2	39
29	Spatial Variability in Nutrient Transport by HUC 8, State, and Subbasin Based on Mississippi/Atchafalaya River Basin SPARROW Models. Journal of the American Water Resources Association, 2014, 50, 988-1009.	1.0	37
30	Effects of lakes and reservoirs on annual river nitrogen, phosphorus, and sediment export in agricultural and forested landscapes. Hydrological Processes, 2014, 28, 5919-5937.	1.1	37
31	A framework for ensemble modelling of climate change impacts on lakes worldwide: the ISIMIP Lake Sector. Geoscientific Model Development, 2022, 15, 4597-4623.	1.3	37
32	INFLUENCE OF DIFFERENT TEMPORAL SAMPLING STRATEGIES ON ESTIMATING TOTAL PHOSPHORUS AND SUSPENDED SEDIMENT CONCENTRATION AND TRANSPORT IN SMALL STREAMS. Journal of the American Water Resources Association, 2003, 39, 1281-1308.	1.0	36
33	A surrogate regression approach for computing continuous loads for the tributary nutrient and sediment monitoring program on the Great Lakes. Journal of Great Lakes Research, 2018, 44, 26-42.	0.8	32
34	Simulated impacts of climate change on phosphorus loading to Lake Michigan. Journal of Great Lakes Research, 2016, 42, 536-548.	0.8	31
35	Partitioning and transformation of organic and inorganic phosphorus among dissolved, colloidal and particulate phases in a hypereutrophic freshwater estuary. Water Research, 2021, 196, 117025.	5.3	28
36	Nutrient and Sediment Concentrations and Corresponding Loads during the Historic June 2008 Flooding in Eastern Iowa. Journal of Environmental Quality, 2011, 40, 166-175.	1.0	27

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37	Phosphorus and Nitrogen Transport in the Binational Great Lakes Basin Estimated Using SPARROW Watershed Models. Journal of the American Water Resources Association, 2019, 55, 1401-1424.	1.0	27
38	Nutrient delivery to Lake Winnipeg from the Redâ€"Assiniboine River Basin â€" A binational application of the SPARROW model. Canadian Water Resources Journal, 2016, 41, 429-447.	0.5	26
39	Evaluating management options to reduce Lake Erie algal blooms using an ensemble of watershed models. Journal of Environmental Management, 2021, 280, 111710.	3.8	25
40	Earlier winter/spring runoff and snowmelt during warmer winters lead to lower summer chlorophyllâ€a in north temperate lakes. Global Change Biology, 2021, 27, 4615-4629.	4.2	22
41	Uncertainty in critical source area predictions from watershed-scale hydrologic models. Journal of Environmental Management, 2021, 279, 111506.	3.8	21
42	Nitrogen and Phosphorus Sources and Delivery from the Mississippi/Atchafalaya River Basin: An Update Using 2012 SPARROW Models. Journal of the American Water Resources Association, 2021, 57, 406-429.	1.0	20
43	Effects of future urban and biofuel crop expansions on the riverine export of phosphorus to the Laurentian Great Lakes. Ecological Modelling, 2014, 277, 27-37.	1.2	19
44	Environmental Water-Quality Zones for Streams: A Regional Classification Scheme. Environmental Management, 2003, 31, 581-602.	1.2	18
45	Long-term changes in the phosphorus loading to and trophic state of the Salton Sea, California. Hydrobiologia, 2008, 604, 21-36.	1.0	16
46	Rehabilitation of Delavan Lake, Wisconsin. Lake and Reservoir Management, 2000, 16, 155-176.	0.4	15
47	Response of calcareous Nagawicka Lake, Wisconsin, to changes in phosphorus loading. Lake and Reservoir Management, 2007, 23, 298-312.	0.4	15
48	Forecasting the combined effects of anticipated climate change and agricultural conservation practices on fish recruitment dynamics in Lake Erie. Freshwater Biology, 2020, 65, 1487-1508.	1.2	15
49	How Paired Is Paired? Comparing Nitrate Concentrations in Three Iowa Drainage Districts. Journal of Environmental Quality, 2013, 42, 1412-1421.	1.0	14
50	Projecting the effects of agricultural conservation practices on stream fish communities in a changing climate. Science of the Total Environment, 2020, 747, 141112.	3.9	14
51	A linked hydrodynamic and water quality model for the Salton Sea. Hydrobiologia, 2008, 604, 57-75.	1.0	13
52	Thermal Structure of a Multibasin Lake: Influence of Morphometry, Interbasin Exchange, and Groundwater. Canadian Journal of Fisheries and Aquatic Sciences, 1990, 47, 1206-1212.	0.7	12
53	Influence of El NiÃ±o on lake and river ice cover in the Northern Hemisphere from 1900 to 1995. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 2784-2788.	0.1	12
54	Reducing Fertilizerâ€Nitrogen Losses from Rowcrop Landscapes: Insights and Implications from a Spatially Explicit Watershed Model. Journal of the American Water Resources Association, 2015, 51, 1003-1019.	1.0	12

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55	Effects of water level and climate on the hydrodynamics and water quality of Anvil Lake, Wisconsin, a shallow seepage lake. Lake and Reservoir Management, 2018, 34, 211-231.	0.4	12
56	Seasonal epilimnetic temperature patterns and trends in a suite of lakes from Wisconsin (USA), Germany, and Finland. Inland Waters, 2019, 9, 471-488.	1.1	10
57	Estimating urban air pollution contribution to South Platte River nitrogen loads with National Atmospheric Deposition Program data and SPARROW model. Journal of Environmental Management, 2022, 301, 113861.	3.8	10
58	Estimation of river and stream temperature trends under haphazard sampling. Statistical Methods and Applications, 2016, 25, 89-105.	0.7	9
59	Long-term ice phenology records spanning up to 578 years for 78 lakes around the Northern Hemisphere. Scientific Data, 2022, 9, .	2.4	9
60	Response in the water quality of the Salton Sea, California, to changes in phosphorus loading: an empirical modeling approach. Hydrobiologia, 2008, 604, 5-19.	1.0	8
61	Response in the trophic state of stratified lakes to changes in hydrology and water level: potential effects of climate change. Journal of Water and Climate Change, 2011, 2, 1-18.	1.2	7
62	Importance of accurately quantifying internal loading in developing phosphorus reduction strategies for a chain of shallow lakes. Lake and Reservoir Management, 2020, 36, 391-411.	0.4	7
63	The importance of considering shifts in seasonal changes in discharges when predicting future phosphorus loads in streams. Biogeochemistry, 2015, 126, 153-172.	1.7	6
64	Physical, biogeochemical, and meteorological factors responsible for interannual changes in cyanobacterial community composition and biovolume over two decades in a eutrophic lake. Hydrobiologia, 2019, 828, 165-182.	1.0	6
65	Impacts of Variation in Planktivorous Fish on Abundance of Daphnids: A Simulation Model of the Lake Mendota Food Web. Springer Series on Environmental Management, 1992, , 407-425.	0.3	6
66	Reply to Discussion. Journal of the American Water Resources Association, 2013, 49, 725-734.	1.0	4
67	Dynamics in Phosphorus Retention in Wetlands Upstream of Delavan Lake, Wisconsin. Lake and Reservoir Management, 1998, 14, 466-477.	0.4	3
68	Interannual and long-term changes in the trophic state of a multibasin lake: effects of morphology, climate, winter aeration, and beaver activity. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 445-460.	0.7	3
69	Hydrological Cycle and Water Budgets. , 2022, , 19-27.		3
70	Modelling for Catchment Management. , 2018, , 25-65.		1
71	A linked hydrodynamic and water quality model for the Salton Sea. , 2008, , 57-75.		1
72	Interacting factors causing exceptional summer water clarity in Lakes Mendota and Monona. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 1776-1779.	0.1	0

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73	Response in the water quality of the Salton Sea, California, to changes in phosphorus loading: an empirical modeling approach. , 2008, , 5-19.		0
74	Long-term changes in the phosphorus loading to and trophic state of the Salton Sea, California. , 2008, , 21-36.		0