David A Seekell

List of Publications by Year
in descending order

58	5,307	218677	144013
papers	citations	26 h-index	57 g-index

62	62	62	7182
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A global inventory of lakes based on high-resolution satellite imagery. Geophysical Research Letters, 2014, 41, 6396-6402.	4.0	1,013
2	Early Warnings of Regime Shifts: A Whole-Ecosystem Experiment. Science, 2011, 332, 1079-1082.	12.6	723
3	Methods for Detecting Early Warnings of Critical Transitions in Time Series Illustrated Using Simulated Ecological Data. PLoS ONE, 2012, 7, e41010.	2.5	638
4	Rising stream and river temperatures in the United States. Frontiers in Ecology and the Environment, 2010, 8, 461-466.	4.0	485
5	The Global Foodâ€Energyâ€Water Nexus. Reviews of Geophysics, 2018, 56, 456-531.	23.0	446
6	Early Warning Signals of Ecological Transitions: Methods for Spatial Patterns. PLoS ONE, 2014, 9, e92097.	2.5	286
7	The influence of dissolved organic carbon on primary production in northern lakes. Limnology and Oceanography, 2015, 60, 1276-1285.	3.1	209
8	Resilience in the global food system. Environmental Research Letters, 2017, 12, 025010.	5.2	100
9	The volume and mean depth of Earth's lakes. Geophysical Research Letters, 2017, 44, 209-218.	4.0	89
10	Reserves and trade jointly determine exposure to food supply shocks. Environmental Research Letters, 2016, 11, 095009.	5.2	88
11	The size-distribution of Earthâ€™s lakes. Scientific Reports, 2016, 6, 29633.	3.3	76
12	Virtual water transfers unlikely to redress inequality in global water use. Environmental Research Letters, 2011, 6, 024017.	5.2	75
13	Shocks to fish production: Identification, trends, and consequences. Global Environmental Change, 2017, 42, 24-32.	7.8	75
14	Conditional Heteroscedasticity as a Leading Indicator of Ecological Regime Shifts. American Naturalist, 2011, 178, 442-451.	2.1	70
15	Does the Pareto distribution adequately describe the sizeâ€distribution of lakes?. Limnology and Oceanography, 2011, 56, 350-356.	3.1	65
16	A fractalâ€based approach to lake sizeâ€distributions. Geophysical Research Letters, 2013, 40, 517-521.	4.0	62
17	Trade-offs between light and nutrient availability across gradients of dissolved organic carbon concentration in Swedish lakes: implications for patterns in primary production. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1663-1671.	1.4	56
18	Climate and landscape influence on indicators of lake carbon cycling through spatial patterns in dissolved organic carbon. Global Change Biology, 2015, 21, 4425-4435.	9.5	46

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19	Globalization of agricultural pollution due to international trade. Hydrology and Earth System Sciences, 2014, 18, 503-510.	4.9	45
20	Food Inequality, Injustice, and Rights. BioScience, 2019, 69, 180-190.	4.9	43
21	Conditional Heteroskedasticity Forecasts Regime Shift in a Whole-Ecosystem Experiment. Ecosystems, 2012, 15, 741-747.	3.4	40
22	Early warnings of regime shifts: evaluation of spatial indicators from a wholeâ€ecosystem experiment. Ecosphere, 2014, 5, 1-13.	2.2	35
23	Evidence of alternate attractors from a whole-ecosystem regime shift experiment. Theoretical Ecology, 2013, 6, 385-394.	1.0	33
24	Climate change drives warming in the Hudson River Estuary, New York (USA). Journal of Environmental Monitoring, 2011, 13, 2321.	2.1	30
25	Past and present biophysical redundancy of countries as a buffer to changes in food supply. Environmental Research Letters, 2016, 11, 055008.	5.2	29
26	Regionalâ€scale variation of dissolved organic carbon concentrations in Swedish lakes. Limnology and Oceanography, 2014, 59, 1612-1620.	3.1	28
27	A geography of lake carbon cycling. Limnology and Oceanography Letters, 2018, 3, 49-56.	3.9	28
28	Evaluations of Climate and Land Management Effects on Lake Carbon Cycling Need to Account for Temporal Variability in CO₂ Concentrations. Global Biogeochemical Cycles, 2019, 33, 243-265.	4.9	28
29	Asymmetric response of early warning indicators of phytoplankton transition to and from cycles. Theoretical Ecology, 2013, 6, 285-293.	1.0	26
30	Continentalâ€scale variation in controls of summer CO₂ in United States lakes. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 875-885.	3.0	26
31	Similarity in spatial structure constrains ecosystem relationships: Building a macroscale understanding of lakes. Global Ecology and Biogeography, 2018, 27, 1251-1263.	5.8	26
32	Wind and trophic status explain within and amongâ€lake variability of algal biomass. Limnology and Oceanography Letters, 2018, 3, 409-418.	3.9	24
33	Longâ€term pCO₂ trends in Adirondack Lakes. Geophysical Research Letters, 2016, 43, 5109-5115.	4.0	22
34	Upscaling carbon dioxide emissions from lakes. Geophysical Research Letters, 2014, 41, 7555-7559.	4.0	21
35	Tree line advance reduces mixing and oxygen concentrations in arcticâ€“alpine lakes through wind sheltering and organic carbon supply. Global Change Biology, 2021, 27, 4238-4253.	9.5	18
36	Inequality or injustice in water use for food?. Environmental Research Letters, 2015, 10, 024013.	5.2	17

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37	Recreational Freshwater Angler Success Is Not Significantly Different from a Random Catch Model. North American Journal of Fisheries Management, 2011, 31, 203-208.	1.0	16
38	Does the Global Trade of Virtual Water Reduce Inequality in Freshwater Resource Allocation?. Society and Natural Resources, 2011, 24, 1205-1215.	1.9	16
39	Inequalities in the networks of virtual water flow. Eos, 2012, 93, 309-310.	0.1	16
40	Patterns and Variation of Littoral Habitat Size Among Lakes. Geophysical Research Letters, 2021, 48, e2021GL095046.	4.0	16
41	Lake morphometry moderates the relationship between water color and fish biomass in small boreal lakes. Limnology and Oceanography, 2018, 63, 2171-2178.	3.1	15
42	Pathways to sustainable intensification through crop water management. Environmental Research Letters, 2016, 11, 091001.	5.2	14
43	The Fractal Scaling Relationship for River Inlets to Lakes. Geophysical Research Letters, 2021, 48, e2021GL093366.	4.0	12
44	Long-Term Changes in Recreational Catch Inequality in a Trout Stream. North American Journal of Fisheries Management, 2011, 31, 1100-1105.	1.0	11
45	Bucktooth parrotfish Sparisoma radians grazing on Thalassia in Bermuda varies seasonally and with background nitrogen content. Journal of Experimental Marine Biology and Ecology, 2013, 443, 27-32.	1.5	11
46	What commodities and countries impact inequality in the global food system?. Environmental Research Letters, 2016, 11, 095013.	5.2	8
47	Food, trade, and the environment. Environmental Research Letters, 2018, 13, 100201.	5.2	8
48	Problems With the Shoreline Development Indexâ€"A Widely Used Metric of Lake Shape. Geophysical Research Letters, 2022, 49, .	4.0	8
49	Effects of Habitat-Specific Primary Production on Fish Size, Biomass, and Production in Northern Oligotrophic Lakes. Ecosystems, 2022, 25, 1555-1570.	3.4	6
50	Foraging specialization by the opportunistic largemouth bass (Micropterus salmoides). Journal of Freshwater Ecology, 2011, 26, 435-439.	1.2	5
51	Heteroskedasticity as a leading indicator of desertification in spatially explicit data. Ecology and Evolution, 2015, 5, 2185-2192.	1.9	5
52	A theory for the relationship between lake surface area and maximum depth. Limnology and Oceanography Letters, 2022, 7, 527-533.	3.9	4
53	Passing the point of no return. Science, 2016, 354, 1109-1109.	12.6	3
54	Stream diatom assemblages in an Arctic catchment: diversity and relationship to ecosystem-scale primary production. Arctic Science, 2021, 7, 762-780.	2.3	3

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55	Magnitude and Origin of CO₂ Evasion From Highâ€Latitude Lakes. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	3
56	Can Management Reduce Harvest Inequality in Recreational Fisheries?. North American Journal of Fisheries Management, 2013, 33, 148-152.	1.0	2
57	Nonlinear dynamics, resilience, and regime shifts in aquatic communities and ecosystems: an overview. Limnology and Oceanography, 2022, 67, .	3.1	1
58	The Scaling Relationship for the Length of Tributaries to Lakes. Geophysical Research Letters, 0, , .	4.0	1