Karl E Havens

List of Publications by Year
in descending order

71 papers	9,731 citations	87888 38 h-index	82547 72 g-index
74 all docs	74 docs citations	74 times ranked	10017 citing authors

#	Article	IF	Citations
1	Controlling Eutrophication: Nitrogen and Phosphorus. Science, 2009, 323, 1014-1015.	12.6	2,998
2	Lake responses to reduced nutrient loading - an analysis of contemporary long-term data from 35 case studies. Freshwater Biology, 2005, 50, 1747-1771.	2.4	1,080
3	Rapid and highly variable warming of lake surface waters around the globe. Geophysical Research Letters, 2015, 42, 10,773.	4.0	767
4	Allied attack: climate change and eutrophication. Inland Waters, 2011, 1, 101-105.	2.2	548
5	It Takes Two to Tango: When and Where Dual Nutrient (N & P) Reductions Are Needed to Protect Lakes and Downstream Ecosystems. Environmental Science & Technology, 2016, 50, 10805-10813.	10.0	483
6	Mitigating cyanobacterial harmful algal blooms in aquatic ecosystems impacted by climate change and anthropogenic nutrients. Harmful Algae, 2016, 54, 213-222.	4.8	453
7	N:P ratios, light limitation, and cyanobacterial dominance in a subtropical lake impacted by non-point source nutrient pollution. Environmental Pollution, 2003, 122, 379-390.	7.5	330
8	Cyanobacteria blooms: effects on aquatic ecosystems. Advances in Experimental Medicine and Biology, 2008, 619, 733-747.	1.6	176
9	Crustacean zooplankton in lakes and reservoirs of temperate and tropical regions: variation with trophic status. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 348-361.	1.4	155
10	Light availability as a possible regulator of cyanobacteria species composition in a shallow subtropical lake. Freshwater Biology, 1998, 39, 547-556.	2.4	139
11	Trophic position and individual feeding histories of fish from Lake Okeechobee, Florida. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 590-600.	1.4	111
12	Recovery of submerged plants from high water stress in a large subtropical lake in Florida, USA. Aquatic Botany, 2004, 78, 67-82.	1.6	108
13	Relationships between phytoplankton dynamics and the availability of light and nutrients in a shallow sub-tropical lake. Journal of Plankton Research, 1997, 19, 319-342.	1.8	107
14	Mitigating eutrophication and toxic cyanobacterial blooms in large lakes:ÂThe evolution of a dual nutrient (N and P) reduction paradigm. Hydrobiologia, 2020, 847, 4359-4375.	2.0	100
15	Zooplankton community responses to chemical stressors: A comparison of results from acidification and pesticide contamination research. Environmental Pollution, 1993, 82, 277-288.	7.5	91
16	Title is missing!. Hydrobiologia, 2003, 493, 173-186.	2.0	87
17	Simple Graphical Methods for the Interpretation of Relationships Between Trophic State Variables. Lake and Reservoir Management, 2005, 21, 107-118.	1.3	85
18	Comparative analysis of nutrients, chlorophyll and transparency in two large shallow lakes (Lake) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.0	81

#	Article	IF	Citations
19	Zooplanktonâ€“phytoplankton relationships in shallow subtropical versus temperate lakes Apopka (Florida, USA) and Trasimeno (Umbria, Italy). Hydrobiologia, 2009, 628, 165-175.	2.0	77
20	Nutrient-chlorophyll-Secchi relationships under contrasting grazer communities of temperate versus subtropical lakes. Canadian Journal of Fisheries and Aquatic Sciences, 1998, 55, 1652-1662.	1.4	75
21	Climate Change at a Crossroad for Control of Harmful Algal Blooms. Environmental Science & Technology, 2015, 49, 12605-12606.	10.0	75
22	Extreme Weather Events and Climate Variability Provide a Lens to How Shallow Lakes May Respond to Climate Change. Water (Switzerland), 2016, 8, 229.	2.7	73
23	Hurricane Effects on a Shallow Lake Ecosystem and Its Response to a Controlled Manipulation of Water Level. Scientific World Journal, The, 2001, 1, 44-70.	2.1	65
24	Mitigating a global expansion of toxic cyanobacterial blooms: confounding effects and challenges posed by climate change. Marine and Freshwater Research, 2020, 71, 579.	1.3	63
25	Dynamics of cyanobacteria blooms are linked to the hydrology of shallow Florida lakes and provide insight into possible impacts of climate change. Hydrobiologia, 2019, 829, 43-59.	2.0	59
26	Development of a Total Phosphorus Concentration Goal in the TMDL Process for Lake Okeechobee, Florida (USA). Lake and Reservoir Management, 2002, 18, 227-238.	1.3	57
27	Phosphorus dynamics at multiple time scales in the pelagic zone of a large shallow lake in Florida, USA. Hydrobiologia, 2007, 581, 25-42.	2.0	56
28	Composition, size, and biomass of zooplankton in large productive Florida lakes. Hydrobiologia, 2011, 668, 49-60.	2.0	56
29	Temperature effects on body size of freshwater crustacean zooplankton from Greenland to the tropics. Hydrobiologia, 2015, 743, 27-35.	2.0	53
30	Experimental studies of zooplanktonâ€“phytoplanktonâ€“nutrient interactions in a large subtropical lake (Lake Okeechobee, Florida, U.S.A.). Freshwater Biology, 1996, 36, 579-597.	2.4	50
31	Aquatic vegetation and largemouth bass population responses to water-level variations in Lake Okeechobee, Florida (USA). Hydrobiologia, 2005, 539, 225-237.	2.0	50
32	Extreme weather events influence the phytoplankton community structure in a large lowland subtropical lake (Lake Okeechobee, Florida, USA). Hydrobiologia, 2013, 709, 213-226.	2.0	47
33	How important is bacterial carbon to planktonic grazers in a turbid, subtropical lake?. Journal of Plankton Research, 2005, 27, 357-372.	1.8	46
34	Dynamics of the exotic Daphnia lumholtzii and native macro-zooplankton in a subtropical chain-of-lakes in Florida, U.S.A.. Freshwater Biology, 2000, 45, 21-32.	2.4	45
35	Ecological Responses of a Large Shallow Lake (Okeechobee, Florida) to Climate Change and Potential Future Hydrologic Regimes. Environmental Management, 2015, 55, 763-775.	2.7	44
36	Phosphorus kinetics of planktonic and benthic assemblages in a shallow subtropical lake. Freshwater Biology, 1998, 40, 729-745.	2.4	43

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37	Lake Okeechobee conceptual ecological model. Wetlands, 2005, 25, 908-925.	1.5	43
38	Experimental studies on the recovery potential of submerged aquatic vegetation after flooding and desiccation in a large subtropical lake. Aquatic Botany, 2003, 77, 135-151.	1.6	40
39	Seasonal and spatial variation in zooplankton community structure and their relation to possible controlling variables in Lake Okeechobee. Freshwater Biology, 1996, 36, 45-56.	2.4	39
40	A review of littoral vegetation, fisheries, and wildlife responses to hydrologic variation at Lake Okeechobee. Wetlands, 2007, 27, 110-126.	1.5	39
41	Ecological Responses of Lakes to Climate Change. Water (Switzerland), 2018, 10, 917.	2.7	38
42	Toward predicting climate change effects on lakes: a comparison of 1656 shallow lakes from Florida and Denmark reveals substantial differences in nutrient dynamics, metabolism, trophic structure, and top-down control. Inland Waters, 2020, 10, 197-211.	2.2	38
43	Title is missing!. Hydrobiologia, 2001, 448, 11-18.	2.0	36
44	Seasonal and spatial variation in nutrient limitation in a shallow sub-tropical lake (Lake Okeechobee,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	36
45	Phosphorus kinetics of planktonic and benthic assemblages in a shallow subtropical lake. Freshwater Biology, 1998, 40, 729-745.	2.4	33
46	Acidification Effects on the Algalâ€"Zooplankton Interface. Canadian Journal of Fisheries and Aquatic Sciences, 1992, 49, 2507-2514.	1.4	32
47	The influence of environmental variables and a managed water recession on the growth of charophytes in a large, subtropical lake. Aquatic Botany, 2002, 72, 297-313.	1.6	31
48	Carbon dynamics in the â€˜grazing food chainâ€™ of a subtropical lake. Journal of Plankton Research, 1997, 19, 1687-1711.	1.8	27
49	Zooplankton to phytoplankton biomass ratios in shallow Florida lakes: an evaluation of seasonality and hypotheses about factors controlling variability. Hydrobiologia, 2013, 703, 177-187.	2.0	25
50	Zooplankton response to extreme drought in a large subtropical lake. Hydrobiologia, 2007, 589, 187-198.	2.0	24
51	Inter-lake comparisons indicate that fish predation, rather than high temperature, is the major driver of summer decline in Daphnia and other changes among cladoceran zooplankton in subtropical Florida lakes. Hydrobiologia, 2015, 750, 57-67.	2.0	24
52	Contrasting Relationships Between Nutrients, Chlorophyllaand Secchi Transparency in Two Shallow Subtropical Lakes: Lakes Okeechobee and Apopka (Florida, USA). Lake and Reservoir Management, 1999, 15, 298-309.	1.3	23
53	Water Levels and Total Phosphorus in Lake Okeechobee. Lake and Reservoir Management, 1997, 13, 16-25.	1.3	22
54	Effects of climate variability on cladoceran zooplankton and cyanobacteria in a shallow subtropical lake. Journal of Plankton Research, 2016, 38, 418-430.	1.8	22

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55	The Managed Recession of Lake Okeechobee, Florida: Integrating Science and Natural Resource Management. Ecology and Society, 2002, 6, .	0.9	22
56	Large-Scale Mapping and Predictive Modeling of Submerged Aquatic Vegetation in a Shallow Eutrophic Lake. Scientific World Journal, The, 2002, 2, 949-965.	2.1	21
57	Localized Changes in Transparency Linked to Mud Sediment Expansion in Lake Okeechobee, Florida: Ecological and Management Implications. Lake and Reservoir Management, 1999, 15, 54-69.	1.3	20
58	Plankton biomass partitioning in a eutrophic subtropical lake: comparison with results from temperate lake ecosystems. Journal of Plankton Research, 2007, 29, 1087-1097.	1.8	19
59	Predicting Ecological Responses of the Florida Everglades to Possible Future Climate Scenarios: Introduction. Environmental Management, 2015, 55, 741-748.	2.7	18
60	Comparative analysis of Lake Periphyton communities using high performance liquid chromatography (HPLC) and light microscope counts. Aquatic Sciences, 1999, 61, 307.	1.5	17
61	Recovery of plankton from hurricane impacts in a large shallow lake. Freshwater Biology, 2018, 63, 366-379.	2.4	17
62	Multiyear oscillations in depth affect water quality in Lake Apopka. Inland Waters, 2018, 8, 1-9.	2.2	17
63	Body size versus taxonomy in relating zooplankton to water quality in lakes. Inland Waters, 2011, 1, 107-112.	2.2	13
64	Water Quality Trends in Shallow South Florida Lakes and Assessment of Regional Versus Local Forcing Functions. Critical Reviews in Environmental Science and Technology, 2011, 41, 576-607.	12.8	11
65	Development and Application of Hydrologic Restoration Goals for a Large Subtropical Lake. Lake and Reservoir Management, 2002, 18, 285-292.	1.3	10
66	Response of Zooplankton to Climate Variability: Droughts Create a Perfect Storm for Cladocerans in Shallow Eutrophic Lakes. Water (Switzerland), 2017, 9, 764.	2.7	7
67	Periods of Extreme Shallow Depth Hinder but Do Not Stop Long-Term Improvements of Water Quality in Lake Apopka, Florida (USA). Water (Switzerland), 2019, 11, 538.	2.7	6
68	Plankton Food Web Responses to Experimental Nutrient Additions in a Subtropical Lake. Scientific World Journal, The, 2006, 6, 827-833.	2.1	5
69	Revisiting the total maximum daily load total phosphorus goal in Lake Okeechobee. Hydrobiologia, 2020, 847, 4221-4232.	2.0	5
70	Predicting impacts of an invading copepod by ecological assessment in the animal's native range. Inland Waters, 2014, 4, 49-56.	2.2	3
71	Inferences about seston composition and phytoplankton limiting factors during recovery of a large shallow lake from hurricane impacts. Inland Waters, 2017, 7, 236-247.	2.2	1