Claire L Schelske

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Holocene Sediment Record of Phosphorus Accumulation in Shallow Lake Harris, Florida (USA) Offers New Perspectives on Recent Cultural Eutrophication. PLoS ONE, 2016, 11, e0147331.	2.5	14
2	Sediment cores from shallow lakes preserve reliable, informative paleoenvironmental archives despite hurricane-force winds. Ecological Indicators, 2016, 60, 963-969.	6.3	8
3	Cyanobacterial dynamics in shallow Lake Apopka (Florida, U.S.A.) before and after the shift from a macrophyteâ€dominated to a phytoplanktonâ€dominated state. Freshwater Biology, 2015, 60, 1571-1580.	2.4	21
4	Comment on "The Chemical Nature of Phosphorus in Subtropical Lake Sediments― Aquatic Geochemistry, 2015, 21, 1-6.	1.3	6
5	Whole-basin, mass-balance approach for identifying critical phosphorus-loading thresholds in shallow lakes. Journal of Paleolimnology, 2014, 51, 515-528.	1.6	19
6	A tribute to Eugene F. Stoermer: Remembering a long and successful collaboration in Great Lakes science. Journal of Great Lakes Research, 2013, 39, 3-6.	1.9	0
7	Patterns and controls of seasonal variability of carbon stable isotopes of particulate organic matter in lakes. Oecologia, 2011, 165, 1083-1094.	2.0	56
8	Low carbon dioxide partial pressure in a productive subtropical lake. Aquatic Sciences, 2011, 73, 317-330.	1.5	58
9	Patterns and controls of carbon stable isotope composition of particulate organic matter in subtropical lakes. Fundamental and Applied Limnology, 2010, 178, 29-41.	0.7	9
10	How anthropogenic darkening of Lake Apopka induced benthic light limitation and forced the shift from macrophyte to phytoplankton dominance. Limnology and Oceanography, 2010, 55, 1201-1212.	3.1	36
11	Identifying sources of organic matter in sediments of shallow lakes using multiple geochemical variables. Journal of Paleolimnology, 2010, 44, 1039-1052.	1.6	16
12	Patterns and controls of nitrogen stable isotopes of particulate organic matter in subtropical lakes. Annales De Limnologie, 2010, 46, 1-7.	0.6	5
13	Eutrophication: Focus on Phosphorus. Science, 2009, 324, 722-722.	12.6	88
14	EXPLOITATION AND DESTABILIZATION OF A WARM, FRESHWATER ECOSYSTEM THROUGH ENGINEERED HYDROLOGICAL CHANGE. , 2008, 18, 1591-1603.		17
15	Historic lowâ€level phosphorus enrichment in the Great Lakes inferred from biogenic silica accumulation in sediments. Limnology and Oceanography, 2006, 51, 728-748.	3.1	51
16	Net production and heterotrophy in Lake Apopka: a reply to BACHMANN et al Archiv Für Hydrobiologie, 2006, 166, 565-576.	1.1	1
17	Factors controlling seasonal variations in stable isotope composition of particulate organic matter in a softwater eutrophic lake. Limnology and Oceanography, 2006, 51, 2837-2848.	3.1	111
18	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

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19	The use of sedimentary algal pigments to infer historic algal communities in Lake Apopka, Florida. Journal of Paleolimnology, 2005, 33, 53-71.	1.6	38
20	Cyanobacterial Proliferation is a Recent Response to Eutrophication in Many Florida Lakes: A Paleolimnological Assessment. Lake and Reservoir Management, 2005, 21, 423-435.	1.3	39
21	Abrupt Biological Response to Hydrologic and Land-use Changes in Lake Apopka, Florida, USA. Ambio, 2005, 34, 192-198.	5.5	33
22	Interpreting the hydrological history of a temporary pond from chemical and microscopic characterization of siliceous microfossils. Journal of Paleolimnology, 2004, 31, 63-76.	1.6	25
23	Effects of Historical Lake Level and Land Use on Sediment and Phosphorus Accumulation Rates in Lake Kinneret. Environmental Science & Technology, 2004, 38, 6460-6467.	10.0	46
24	Extreme ¹³ C enrichments in a shallow hypereutrophic lake: Implications for carbon cycling. Limnology and Oceanography, 2004, 49, 1152-1159.	3.1	70
25	Saturated hydrocarbons in the sediments of Lake Apopka, Florida. Organic Geochemistry, 2003, 34, 253-260.	1.8	48
26	Phytoplankton community photosynthesis and primary production in a hypereutrophic lake, Lake Apopka, Florida. Archiv Für Hydrobiologie, 2003, 157, 145-172.	1.1	15
27	Biogenic Silica. Developments in Paleoenvironmental Research, 2002, , 281-293.	8.0	55
28	Response of the cladoceran community to trophic state change in Lake Apopka, Florida. Journal of Paleolimnology, 2002, 27, 71-77.	1.6	27
29	Sediment records of phosphorus-driven shifts to phytoplanktondominance in shallow Florida lakes. Journal of Paleolimnology, 2002, 27, 367-377.	1.6	43
30	Title is missing!. Hydrobiologia, 2001, 448, 11-18.	2.0	36
31	Title is missing!. Hydrobiologia, 2001, 448, 1-5.	2.0	10
32	Changes in polyphosphate sedimentation: a response to excessive phosphorus enrichment in a hypereutrophic lake. Canadian Journal of Fisheries and Aquatic Sciences, 2001, 58, 879-887.	1.4	40
33	Title is missing!. Journal of Paleolimnology, 2000, 23, 201-205.	1.6	7
34	Title is missing!. Journal of Paleolimnology, 1999, 22, 205-221.	1.6	268
35	LOCAL EXTIRPATION OF STEPHANODISCUS NIAGARAE (BACILLARIOPHYCEAE) IN THE RECENT LIMNOLOGICAL RECORD OF LAKE ONTARIO. Journal of Phycology, 1998, 34, 766-771.	2.3	17
36	Commemorating 50 Years of Great Lakes Research at the University of Michigan: A Tribute to David C. Chandler. Journal of Great Lakes Research, 1998, 24, 487-494.	1.9	0

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37	The Structure of the Planktonic Food-Web in the St. Lawrence Great Lakes. Journal of Great Lakes Research, 1998, 24, 531-554.	1.9	76
38	Production, sedimentation, and isotopic composition of organic matter in Lake Ontario. Limnology and Oceanography, 1998, 43, 200-214.	3.1	328
39	Biologically induced calcite and its isotopic composition in Lake Ontario. Limnology and Oceanography, 1998, 43, 187-199.	3.1	172
40	Uptake of dissolved nitrogen by phytoplankton in a eutrophic subtropical lake. Journal of Plankton Research, 1997, 19, 759-770.	1.8	40
41	Have we overlooked the importance of small phytoplankton in productive waters?. Limnology and Oceanography, 1997, 42, 1613-1621.	3.1	71
42	INTRAPOPULATION FEEDING DIVERSITY IN BLUE TILAPIA: EVIDENCE FROM STABLE-ISOTOPE ANALYSES. Ecology, 1997, 78, 2263-2266.	3.2	29
43	Radium-226 stratigraphy in Florida lake sediments as an indicator of human disturbance. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1997, 26, 809-813.	0.1	11
44	RECENT APPEARANCE OF CYLINDROSPERMOPSIS (CYANOBACTERIA) IN FIVE HYPEREUTROPHIC FLORIDA LAKES1. Journal of Phycology, 1997, 33, 191-195.	2.3	129
45	Paleolimnological evaluation of historical trophic state conditions in hypereutrophic Lake Thonotosassa, Florida, USA. Hydrobiologia, 1996, 331, 143-152.	2.0	22
46	Using carbon isotopes of bulk sedimentary organic matter to reconstruct the history of nutrient loading and eutrophication in Lake Erie. Limnology and Oceanography, 1995, 40, 918-929.	3.1	254
47	Historical Ecology of a Hypereutrophic Florida Lake. Lake and Reservoir Management, 1995, 11, 255-271.	1.3	13
48	Can Wind-Induced Resuspension of Meroplankton Affect Phytoplankton Dynamics?. Journal of the North American Benthological Society, 1995, 14, 616-630.	3.1	102
49	Low-background gamma counting: applications for210Pb dating of sediments. Journal of Paleolimnology, 1994, 10, 115-128.	1.6	239
50	Disequilibrium between ₂₂₆ Ra and supported ₂₁₀ Pb in a sediment core from a shallow Florida lake. Limnology and Oceanography, 1994, 39, 1222-1227.	3.1	28
51	Assessment of Phytoplankton Nutrient Limitation in Productive Waters: Application of Dilution Bioassays. Canadian Journal of Fisheries and Aquatic Sciences, 1993, 50, 2208-2221.	1.4	18
52	Potential Role of Sponge Spicules in Influencing the Silicon Biogeochemistry of Florida Lakes. Canadian Journal of Fisheries and Aquatic Sciences, 1993, 50, 296-302.	1.4	77
53	Wind Influences phytoplankton biomass and composition in a shallow, productive lake. Limnology and Oceanography, 1993, 38, 1179-1192.	3.1	204
54	Nutrient limitation in a hypereutrophic Florida lake. Archiv Für Hydrobiologie, 1993, 127, 21-37.	1.1	26

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55	Recent Changes in Lake Ontario 1981–1987: Microfossil Evidence of Phosphorus Reduction. Journal of Great Lakes Research, 1991, 17, 229-240.	1.9	24
56	Historical Nutrient Enrichment of Lake Ontario: Paleolimnological Evidence. Canadian Journal of Fisheries and Aquatic Sciences, 1991, 48, 1529-1538.	1.4	44
57	Recent changes in productivity and climate of Lake Ontario detected by isotopic analysis of sediments. Limnology and Oceanography, 1991, 36, 961-975.	3.1	225
58	Siliceous Microfossil Succession in the Sediments of McLeod Bay, Great Slave Lake, Northwest Territories. Canadian Journal of Fisheries and Aquatic Sciences, 1990, 47, 1865-1874.	1.4	28
59	Effect of Chelated Trace Metals on Phosphorus Uptake and Storage in Natural Assemblages of Lake Michigan Phytoplankton. Journal of Great Lakes Research, 1990, 16, 82-89.	1.9	17
60	ASSESSMENT OF NUTRIENT EFFECTS AND NUTRIENT LIMITATION IN LAKE OKEECHOBEE. Journal of the American Water Resources Association, 1989, 25, 1119-1130.	2.4	36
61	Historic Trends in Lake Michigan Silica Concentrations. International Review of Hydrobiology, 1988, 73, 559-591.	0.6	35
62	Silica and Phosphorus Flux from Sediments: Importance of Internal Recycling in Lake Michigan. Canadian Journal of Fisheries and Aquatic Sciences, 1988, 45, 1030-1035.	1.4	47
63	Sediment Record of Biogeochemical Responses to Anthropogenic Perturbations of Nutrient Cycles in Lake Ontario. Canadian Journal of Fisheries and Aquatic Sciences, 1988, 45, 1291-1303.	1.4	73
64	Has silica increased in Lake Superior waters?. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1988, 23, 163-169.	0.1	1
65	Limnological investigation of biogenic silica sedimentation and silica biogeochemistry in Lake St. Moritz and Lake Zürich. Swiss Journal of Hydrology, 1987, 49, 42-50.	0.8	8
66	Biogenic silica record in the sediments of Little Round Lake, Ontario. Hydrobiologia, 1986, 143, 293-300.	2.0	14
67	Phosphorus Enrichment, Silica Utilization, and Biogeochemical Silica Depletion in the Great Lakes. Canadian Journal of Fisheries and Aquatic Sciences, 1986, 43, 407-415.	1.4	128
68	Biogeochemical silica mass balances in Lake Michigan and Lake Superior. Biogeochemistry, 1985, 1, 197-218.	3.5	64
69	Historical Relationships between Phosphorus Loading and Biogenic Silica Accumulation in Bay of Quinte Sediments. Canadian Journal of Fisheries and Aquatic Sciences, 1985, 42, 1401-1409.	1.4	18
70	Nutrient-light interactions in the Lake Michigan subsurface chlorophyll layer. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1984, 22, 440-444.	0.1	6
71	Comment on Small Particles of Amorphous Silica in the Nepheloid Layer. Journal of Great Lakes Research, 1984, 10, 94-95.	1.9	4
72	Estim ation of intracellular carbon and silica content of diatoms from natural assemblages using morphometric techniques1. Limnology and Oceanography, 1984, 29, 1170-1178.	3.1	135

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73	Measured and predicted fluxes of biogenic silica in Lake Michigan1. Limnology and Oceanography, 1984, 29, 99-110.	3.1	22
74	Comparison of three wet-alkaline methods of digestion of biogenic silica in water. Freshwater Biology, 1983, 13, 73-81.	2.4	111
75	Lake—Wide Seasonal Changes in Limnological Conditions in Lake Michigan in 1976. Journal of Great Lakes Research, 1982, 8, 413-427.	1.9	42
76	Seasonal Variation of Potential Nutrient Limitation to Chlorophyll Production in Southern Lake Huron. Canadian Journal of Fisheries and Aquatic Sciences, 1981, 38, 1-9.	1.4	60
77	Role of Phosphorus in Great Lakes Eutrophication: Is There a Controversy?. Journal of the Fisheries Research Board of Canada, 1979, 36, 286-288.	0.9	27
78	Population responses of Lake Michigan phytoplankton to nitrogen and phosphorus enrichment. Hydrobiologia, 1978, 57, 249-265.	2.0	63
79	Comparison of bioassay procedures for growth-limiting nutrients in the Laurentian Great Lakes. SIL Communications 1953-1996, 1978, 21, 65-80.	0.1	9
80	Phytoplankton responses to phosphorus and silica enrichments in Lake Michigan. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1975, 19, 911-921.	0.1	3
81	Silica and Nitrate Depletion as Related to Rate of Eutrophication in Lakes Michigan, Huron, and Superior. Ecological Studies, 1975, , 277-298.	1.2	26
82	Responses of phosphorus limited Lake Michigan phytoplankton to factorial enrichments with nitrogen and phosphorus1. Limnology and Oceanography, 1974, 19, 409-419.	3.1	69
83	Diatoms as mediators of biogeochemical silica depletion in the Laurentian Great Lakes. , 0, , 73-84.		20