

Claire L Schelske

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12145000/publications.pdf>

Version: 2024-02-01

83
papers

5,613
citations

94269

37
h-index

76769

74
g-index

84
all docs

84
docs citations

84
times ranked

4608
citing authors

#	ARTICLE	IF	CITATIONS
1	A Holocene Sediment Record of Phosphorus Accumulation in Shallow Lake Harris, Florida (USA) Offers New Perspectives on Recent Cultural Eutrophication. <i>PLoS ONE</i> , 2016, 11, e0147331.	1.1	14
2	Sediment cores from shallow lakes preserve reliable, informative paleoenvironmental archives despite hurricane-force winds. <i>Ecological Indicators</i> , 2016, 60, 963-969.	2.6	8
3	Cyanobacterial dynamics in shallow Lake Apopka (Florida, U.S.A.) before and after the shift from a macrophyte-dominated to a phytoplankton-dominated state. <i>Freshwater Biology</i> , 2015, 60, 1571-1580.	1.2	21
4	Comment on "The Chemical Nature of Phosphorus in Subtropical Lake Sediments": <i>Aquatic Geochemistry</i> , 2015, 21, 1-6.	1.5	6
5	Whole-basin, mass-balance approach for identifying critical phosphorus-loading thresholds in shallow lakes. <i>Journal of Paleolimnology</i> , 2014, 51, 515-528.	0.8	19
6	A tribute to Eugene F. Stoermer: Remembering a long and successful collaboration in Great Lakes science. <i>Journal of Great Lakes Research</i> , 2013, 39, 3-6.	0.8	0
7	Patterns and controls of seasonal variability of carbon stable isotopes of particulate organic matter in lakes. <i>Oecologia</i> , 2011, 165, 1083-1094.	0.9	56
8	Low carbon dioxide partial pressure in a productive subtropical lake. <i>Aquatic Sciences</i> , 2011, 73, 317-330.	0.6	58
9	Patterns and controls of carbon stable isotope composition of particulate organic matter in subtropical lakes. <i>Fundamental and Applied Limnology</i> , 2010, 178, 29-41.	0.4	9
10	How anthropogenic darkening of Lake Apopka induced benthic light limitation and forced the shift from macrophyte to phytoplankton dominance. <i>Limnology and Oceanography</i> , 2010, 55, 1201-1212.	1.6	36
11	Identifying sources of organic matter in sediments of shallow lakes using multiple geochemical variables. <i>Journal of Paleolimnology</i> , 2010, 44, 1039-1052.	0.8	16
12	Patterns and controls of nitrogen stable isotopes of particulate organic matter in subtropical lakes. <i>Annales De Limnologie</i> , 2010, 46, 1-7.	0.6	5
13	Eutrophication: Focus on Phosphorus. <i>Science</i> , 2009, 324, 722-722.	6.0	88
14	EXPLOITATION AND DESTABILIZATION OF A WARM, FRESHWATER ECOSYSTEM THROUGH ENGINEERED HYDROLOGICAL CHANGE. , 2008, 18, 1591-1603.		17
15	Historic low-level phosphorus enrichment in the Great Lakes inferred from biogenic silica accumulation in sediments. <i>Limnology and Oceanography</i> , 2006, 51, 728-748.	1.6	51
16	Net production and heterotrophy in Lake Apopka: a reply to BACHMANN et al.. <i>Archiv für Hydrobiologie</i> , 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. <i>Limnology and Oceanography</i> , 2006, 51, 2837-2848.	1.6	111
18	Lake responses to reduced nutrient loading - an analysis of contemporary long-term data from 35 case studies. <i>Freshwater Biology</i> , 2005, 50, 1747-1771.	1.2	1,080

#	ARTICLE	IF	CITATIONS
19	The use of sedimentary algal pigments to infer historic algal communities in Lake Apopka, Florida. <i>Journal of Paleolimnology</i> , 2005, 33, 53-71.	0.8	38
20	Cyanobacterial Proliferation is a Recent Response to Eutrophication in Many Florida Lakes: A Paleolimnological Assessment. <i>Lake and Reservoir Management</i> , 2005, 21, 423-435.	0.4	39
21	Abrupt Biological Response to Hydrologic and Land-use Changes in Lake Apopka, Florida, USA. <i>Ambio</i> , 2005, 34, 192-198.	2.8	33
22	Interpreting the hydrological history of a temporary pond from chemical and microscopic characterization of siliceous microfossils. <i>Journal of Paleolimnology</i> , 2004, 31, 63-76.	0.8	25
23	Effects of Historical Lake Level and Land Use on Sediment and Phosphorus Accumulation Rates in Lake Kinneret. <i>Environmental Science & Technology</i> , 2004, 38, 6460-6467.	4.6	46
24	Extreme ¹³ C enrichments in a shallow hypereutrophic lake: Implications for carbon cycling. <i>Limnology and Oceanography</i> , 2004, 49, 1152-1159.	1.6	70
25	Saturated hydrocarbons in the sediments of Lake Apopka, Florida. <i>Organic Geochemistry</i> , 2003, 34, 253-260.	0.9	48
26	Phytoplankton community photosynthesis and primary production in a hypereutrophic lake, Lake Apopka, Florida. <i>Archiv für Hydrobiologie</i> , 2003, 157, 145-172.	1.1	15
27	Biogenic Silica. <i>Developments in Paleoenvironmental Research</i> , 2002, , 281-293.	7.5	55
28	Response of the cladoceran community to trophic state change in Lake Apopka, Florida. <i>Journal of Paleolimnology</i> , 2002, 27, 71-77.	0.8	27
29	Sediment records of phosphorus-driven shifts to phytoplankton dominance in shallow Florida lakes. <i>Journal of Paleolimnology</i> , 2002, 27, 367-377.	0.8	43
30	Title is missing!. <i>Hydrobiologia</i> , 2001, 448, 11-18.	1.0	36
31	Title is missing!. <i>Hydrobiologia</i> , 2001, 448, 1-5.	1.0	10
32	Changes in polyphosphate sedimentation: a response to excessive phosphorus enrichment in a hypereutrophic lake. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 879-887.	0.7	40
33	Title is missing!. <i>Journal of Paleolimnology</i> , 2000, 23, 201-205.	0.8	7
34	Title is missing!. <i>Journal of Paleolimnology</i> , 1999, 22, 205-221.	0.8	268
35	LOCAL EXTIRPATION OF STEPHANODISCUS NIAGARAE (BACILLARIOPHYCEAE) IN THE RECENT LIMNOLOGICAL RECORD OF LAKE ONTARIO. <i>Journal of Phycology</i> , 1998, 34, 766-771.	1.0	17
36	Commemorating 50 Years of Great Lakes Research at the University of Michigan: A Tribute to David C. Chandler. <i>Journal of Great Lakes Research</i> , 1998, 24, 487-494.	0.8	0

#	ARTICLE	IF	CITATIONS
37	The Structure of the Planktonic Food-Web in the St. Lawrence Great Lakes. <i>Journal of Great Lakes Research</i> , 1998, 24, 531-554.	0.8	76
38	Production, sedimentation, and isotopic composition of organic matter in Lake Ontario. <i>Limnology and Oceanography</i> , 1998, 43, 200-214.	1.6	328
39	Biologically induced calcite and its isotopic composition in Lake Ontario. <i>Limnology and Oceanography</i> , 1998, 43, 187-199.	1.6	172
40	Uptake of dissolved nitrogen by phytoplankton in a eutrophic subtropical lake. <i>Journal of Plankton Research</i> , 1997, 19, 759-770.	0.8	40
41	Have we overlooked the importance of small phytoplankton in productive waters?. <i>Limnology and Oceanography</i> , 1997, 42, 1613-1621.	1.6	71
42	INTRAPOPOPULATION FEEDING DIVERSITY IN BLUE TILAPIA: EVIDENCE FROM STABLE-ISOTOPE ANALYSES. <i>Ecology</i> , 1997, 78, 2263-2266.	1.5	29
43	Radium-226 stratigraphy in Florida lake sediments as an indicator of human disturbance. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1997, 26, 809-813.	0.1	11
44	RECENT APPEARANCE OF CYLINDROSPERMOPSIS (CYANOBACTERIA) IN FIVE HYPEREUTROPHIC FLORIDA LAKES1. <i>Journal of Phycology</i> , 1997, 33, 191-195.	1.0	129
45	Paleolimnological evaluation of historical trophic state conditions in hypereutrophic Lake Thonotosassa, Florida, USA. <i>Hydrobiologia</i> , 1996, 331, 143-152.	1.0	22
46	Using carbon isotopes of bulk sedimentary organic matter to reconstruct the history of nutrient loading and eutrophication in Lake Erie. <i>Limnology and Oceanography</i> , 1995, 40, 918-929.	1.6	254
47	Historical Ecology of a Hypereutrophic Florida Lake. <i>Lake and Reservoir Management</i> , 1995, 11, 255-271.	0.4	13
48	Can Wind-Induced Resuspension of Meroplankton Affect Phytoplankton Dynamics?. <i>Journal of the North American Benthological Society</i> , 1995, 14, 616-630.	3.0	102
49	Low-background gamma counting: applications for ²¹⁰ Pb dating of sediments. <i>Journal of Paleolimnology</i> , 1994, 10, 115-128.	0.8	239
50	Disequilibrium between ²²⁶ Ra and supported ²¹⁰ Pb in a sediment core from a shallow Florida lake. <i>Limnology and Oceanography</i> , 1994, 39, 1222-1227.	1.6	28
51	Assessment of Phytoplankton Nutrient Limitation in Productive Waters: Application of Dilution Bioassays. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1993, 50, 2208-2221.	0.7	18
52	Potential Role of Sponge Spicules in Influencing the Silicon Biogeochemistry of Florida Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1993, 50, 296-302.	0.7	77
53	Wind Influences phytoplankton biomass and composition in a shallow, productive lake. <i>Limnology and Oceanography</i> , 1993, 38, 1179-1192.	1.6	204
54	Nutrient limitation in a hypereutrophic Florida lake. <i>Archiv Für Hydrobiologie</i> , 1993, 127, 21-37.	1.1	26

#	ARTICLE	IF	CITATIONS
55	Recent Changes in Lake Ontario 1981-1987: Microfossil Evidence of Phosphorus Reduction. <i>Journal of Great Lakes Research</i> , 1991, 17, 229-240.	0.8	24
56	Historical Nutrient Enrichment of Lake Ontario: Paleolimnological Evidence. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1991, 48, 1529-1538.	0.7	44
57	Recent changes in productivity and climate of Lake Ontario detected by isotopic analysis of sediments. <i>Limnology and Oceanography</i> , 1991, 36, 961-975.	1.6	225
58	Siliceous Microfossil Succession in the Sediments of McLeod Bay, Great Slave Lake, Northwest Territories. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1990, 47, 1865-1874.	0.7	28
59	Effect of Chelated Trace Metals on Phosphorus Uptake and Storage in Natural Assemblages of Lake Michigan Phytoplankton. <i>Journal of Great Lakes Research</i> , 1990, 16, 82-89.	0.8	17
60	ASSESSMENT OF NUTRIENT EFFECTS AND NUTRIENT LIMITATION IN LAKE OKEECHOBEE. <i>Journal of the American Water Resources Association</i> , 1989, 25, 1119-1130.	1.0	36
61	Historic Trends in Lake Michigan Silica Concentrations. <i>International Review of Hydrobiology</i> , 1988, 73, 559-591.	0.6	35
62	Silica and Phosphorus Flux from Sediments: Importance of Internal Recycling in Lake Michigan. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1988, 45, 1030-1035.	0.7	47
63	Sediment Record of Biogeochemical Responses to Anthropogenic Perturbations of Nutrient Cycles in Lake Ontario. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1988, 45, 1291-1303.	0.7	73
64	Has silica increased in Lake Superior waters?. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1988, 23, 163-169.	0.1	1
65	Limnological investigation of biogenic silica sedimentation and silica biogeochemistry in Lake St. Moritz and Lake Zurich. <i>Swiss Journal of Hydrology</i> , 1987, 49, 42-50.	0.9	8
66	Biogenic silica record in the sediments of Little Round Lake, Ontario. <i>Hydrobiologia</i> , 1986, 143, 293-300.	1.0	14
67	Phosphorus Enrichment, Silica Utilization, and Biogeochemical Silica Depletion in the Great Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1986, 43, 407-415.	0.7	128
68	Biogeochemical silica mass balances in Lake Michigan and Lake Superior. <i>Biogeochemistry</i> , 1985, 1, 197-218.	1.7	64
69	Historical Relationships between Phosphorus Loading and Biogenic Silica Accumulation in Bay of Quinte Sediments. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1985, 42, 1401-1409.	0.7	18
70	Nutrient-light interactions in the Lake Michigan subsurface chlorophyll layer. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1984, 22, 440-444.	0.1	6
71	Comment on Small Particles of Amorphous Silica in the Nepheloid Layer. <i>Journal of Great Lakes Research</i> , 1984, 10, 94-95.	0.8	4
72	Estimation of intracellular carbon and silica content of diatoms from natural assemblages using morphometric techniques. <i>Limnology and Oceanography</i> , 1984, 29, 1170-1178.	1.6	135

#	ARTICLE	IF	CITATIONS
73	Measured and predicted fluxes of biogenic silica in Lake Michigan. <i>Limnology and Oceanography</i> , 1984, 29, 99-110.	1.6	22
74	Comparison of three wet-alkaline methods of digestion of biogenic silica in water. <i>Freshwater Biology</i> , 1983, 13, 73-81.	1.2	111
75	Lake-wide Seasonal Changes in Limnological Conditions in Lake Michigan in 1976. <i>Journal of Great Lakes Research</i> , 1982, 8, 413-427.	0.8	42
76	Seasonal Variation of Potential Nutrient Limitation to Chlorophyll Production in Southern Lake Huron. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1981, 38, 1-9.	0.7	60
77	Role of Phosphorus in Great Lakes Eutrophication: Is There a Controversy?. <i>Journal of the Fisheries Research Board of Canada</i> , 1979, 36, 286-288.	1.0	27
78	Population responses of Lake Michigan phytoplankton to nitrogen and phosphorus enrichment. <i>Hydrobiologia</i> , 1978, 57, 249-265.	1.0	63
79	Comparison of bioassay procedures for growth-limiting nutrients in the Laurentian Great Lakes. <i>SIL Communications 1953-1996</i> , 1978, 21, 65-80.	0.1	9
80	Phytoplankton responses to phosphorus and silica enrichments in Lake Michigan. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1975, 19, 911-921.	0.1	3
81	Silica and Nitrate Depletion as Related to Rate of Eutrophication in Lakes Michigan, Huron, and Superior. <i>Ecological Studies</i> , 1975, , 277-298.	0.4	26
82	Responses of phosphorus limited Lake Michigan phytoplankton to factorial enrichments with nitrogen and phosphorus. <i>Limnology and Oceanography</i> , 1974, 19, 409-419.	1.6	69
83	Diatoms as mediators of biogeochemical silica depletion in the Laurentian Great Lakes. , 0, , 73-84.		20