Steven W Wilhelm

List of Publications by Year
in descending order

214 papers	16,337 citations	18436 62 h-index	19690 117 g-index
260 all docs	260 docs citations	260 times ranked	12856 citing authors

#	Article	IF	Citations
1	Microbial production of recalcitrant dissolved organic matter: long-term carbon storage in the global ocean. Nature Reviews Microbiology, 2010, 8, 593-599.	13.6	1,278
2	Viruses and Nutrient Cycles in the Sea. BioScience, 1999, 49, 781-788.	2.2	996
3	A review of the global ecology, genomics, and biogeography of the toxic cyanobacterium, Microcystis spp.. Harmful Algae, 2016, 54, 4-20.	2.2	776
4	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.	4.6	483
5	Minimum Information about an Uncultivated Virus Genome (MIUViG). Nature Biotechnology, 2019, 37, 29-37.	9.4	414
6	The re-eutrophication of Lake Erie: Harmful algal blooms and hypoxia. Harmful Algae, 2016, 56, 44-66.	2.2	389
7	Quantification of ToxicMicrocystisspp. during the 2003 and 2004 Blooms in Western Lake Erie using Quantitative Real-Time PCR. Environmental Science & Technology, 2005, 39, 4198-4205.	4.6	324
8	The elemental composition of virus particles: implications for marine biogeochemical cycles. Nature Reviews Microbiology, 2014, 12, 519-528.	13.6	273
9	Re-examination of the relationship between marine virus and microbial cell abundances. Nature Microbiology, 2016, 1, 15024.	5.9	264
10	Lake Erie Microcystis: Relationship between microcystin production, dynamics of genotypes and environmental parameters in a large lake. Harmful Algae, 2009, 8, 665-673.	2.2	260
11	Niche of harmful alga <i>Aureococcus anophagefferens</i> revealed through ecogenomics. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4352-4357.	3.3	256
12	Ironâ€limited growth of cyanobacteria: Multiple siderophore production is a common response. Limnology and Oceanography, 1994, 39, 1979-1984.	1.6	231
13	Global solutions to regional problems: Collecting global expertise to address the problem of harmful cyanobacterial blooms. A Lake Erie case study. Harmful Algae, 2016, 54, 223-238.	2.2	231
14	Effects of increased pCO2 and temperature on the North Atlantic spring bloom. I. The phytoplankton community and biogeochemical response. Marine Ecology - Progress Series, 2009, 388, 13-25.	0.9	227
15	Global-scale processes with a nanoscale drive: the role of marine viruses. ISME Journal, 2008, 2, 575-578.	4.4	226
16	A multitrophic model to quantify the effects of marine viruses on microbial food webs and ecosystem processes. ISME Journal, 2015, 9, 1352-1364.	4.4	223
17	Ocean viruses and their effects on microbial communities and biogeochemical cycles. F1000 Biology Reports, 2012, 4, 17.	4.0	213
18	A Dilution Technique For The Direct Measurement Of Viral Production: A Comparison In Stratified And Tidally Mixed Coastal Waters. Microbial Ecology, 2002, 43, 168-173.	1.4	205

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19	Composition of the gut microbiota modulates the severity of malaria. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2235-2240.	3.3	198
20	Ecophysiological Examination of the Lake Erie <i>Microcystis</i> Bloom in 2014: Linkages between Biology and the Water Supply Shutdown of Toledo, OH. Environmental Science & Technology, 2017, 51, 6745-6755.	4.6	196
21	Viral release of iron and its bioavailability to marine plankton. Limnology and Oceanography, 2004, 49, 1734-1741.	1.6	191
22	Novel lineages of <i>Prochlorococcus</i> and <i>Synechococcus</i> in the global oceans. ISME Journal, 2012, 6, 285-297.	4.4	186
23	Status, causes and controls of cyanobacterial blooms in Lake Erie. Journal of Great Lakes Research, 2014, 40, 215-225.	0.8	186
24	Comparative Metagenomics of Toxic Freshwater Cyanobacteria Bloom Communities on Two Continents. PLoS ONE, 2012, 7, e44002.	1.1	158
25	The relationships between nutrients, cyanobacterial toxins and the microbial community in Taihu (Lake Tai), China. Harmful Algae, 2011, 10, 207-215.	2.2	157
26	The role of sunlight in the removal and repair of viruses in the sea. Limnology and Oceanography, 1998, 43, 586-592.	1.6	152
27	Freshwater and marine virioplankton: a brief overview of commonalities and differences. Freshwater Biology, 2008, 53, 1076-1089.	1.2	152
28	Phylogenetic Diversity of Marine Cyanophage Isolates and Natural Virus Communities as Revealed by Sequences of Viral Capsid Assembly Protein Gene g20. Applied and Environmental Microbiology, 2002, 68, 1576-1584.	1.4	146
29	Actinorhodopsin genes discovered in diverse freshwater habitats and among cultivated freshwater <i>Actinobacteria</i>. ISME Journal, 2009, 3, 726-737.	4.4	140
30	Scientistsâ€™ Warning to Humanity: Rapid degradation of the worldâ€™s large lakes. Journal of Great Lakes Research, 2020, 46, 686-702.	0.8	140
31	The Fate of Microcystins in the Environment and Challenges for Monitoring. Toxins, 2014, 6, 3354-3387.	1.5	138
32	Algal blooms: Noteworthy nitrogen. Science, 2014, 346, 175-175.	6.0	138
33	Spinning the â€œFerrous Wheelâ€: The importance of the microbial community in an iron budget during the FeCycle experiment. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	1.9	128
34	Phage infection of an environmentally relevant marine bacterium alters host metabolism and lysate composition. ISME Journal, 2014, 8, 1089-1100.	4.4	127
35	Ecology of iron-limited cyanobacteria: a review of physiological responses and implications for aquatic systems. Aquatic Microbial Ecology, 1995, 9, 295-303.	0.9	119
36	Toxic Microcystis is Widespread in Lake Erie: PCR Detection of Toxin Genes and Molecular Characterization of Associated Cyanobacterial Communities. Microbial Ecology, 2006, 51, 154-165.	1.4	115

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37	FeCycle: Attempting an iron biogeochemical budget from a mesoscale SF6tracer experiment in unperturbed low iron waters. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	1.9	114
38	Global Gene Expression Profiling in Larval Zebrafish Exposed to Microcystin-LR and Microcystis Reveals Endocrine Disrupting Effects of Cyanobacteria. Environmental Science & Technology, 2011, 45, 1962-1969.	4.6	110
39	Diatoms abound in ice-covered Lake Erie: An investigation of offshore winter limnology in Lake Erie over the period 2007 to 2010. Journal of Great Lakes Research, 2012, 38, 18-30.	0.8	107
40	Latitudinal variation in virus-induced mortality of phytoplankton across the North Atlantic Ocean. ISME Journal, 2016, 10, 500-513.	4.4	103
41	Spatiotemporal dynamics of bacterial community composition in large shallow eutrophic Lake Taihu: High overlap between freeâ€living and particleâ€attached assemblages. Limnology and Oceanography, 2017, 62, 1366-1382.	1.6	101
42	Virus-host relationships of marine single-celled eukaryotes resolved from metatranscriptomics. Nature Communications, 2017, 8, 16054.	5.8	100
43	Diversity of Microcystin-Producing Cyanobacteria in Spatially Isolated Regions of Lake Erie. Applied and Environmental Microbiology, 2006, 72, 5083-5085.	1.4	89
44	Genome of brown tide virus (AaV), the little giant of the Megaviridae, elucidates NCLDV genome expansion and hostâ€“virus coevolution. Virology, 2014, 466-467, 60-70.	1.1	86
45	Seasonal changes in microbial community structure and activity imply winter production is linked to summer hypoxia in a large lake. FEMS Microbiology Ecology, 2014, 87, 475-485.	1.3	86
46	Mesozooplankton and microzooplankton grazing during cyanobacterial blooms in the western basin of Lake Erie. Harmful Algae, 2012, 15, 26-35.	2.2	85
47	Growth, iron requirements, and siderophore production in ironâ€limited Synechococcus PCC 72. Limnology and Oceanography, 1996, 41, 89-97.	1.6	84
48	Nutrients drive transcriptional changes that maintain metabolic homeostasis but alter genome architecture in <i>Microcystis</i>. ISME Journal, 2014, 8, 2080-2092.	4.4	84
49	Differential remineralization of major and trace elements in sinking diatoms. Limnology and Oceanography, 2014, 59, 689-704.	1.6	84
50	Viral ecology comes of age. Environmental Microbiology Reports, 2017, 9, 33-35.	1.0	81
51	Seasonal Gene Expression and the Ecophysiological Implications of Toxic <i>Microcystis aeruginosa</i> Blooms in Lake Taihu. Environmental Science & Technology, 2018, 52, 11049-11059.	4.6	79
52	Voltammetric estimation of iron(III) thermodynamic stability constants for catecholate siderophores isolated from marine bacteria and cyanobacteria. Marine Chemistry, 1995, 50, 179-188.	0.9	78
53	Toxic cyanobacteria: the evolving molecular toolbox. Frontiers in Ecology and the Environment, 2003, 1, 359-366.	1.9	77
54	Marine and Freshwater Cyanophages in a Laurentian Great Lake: Evidence from Infectivity Assays and Molecular Analyses of g20 Genes. Applied and Environmental Microbiology, 2006, 72, 4957-4963.	1.4	76

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55	Urea Is Both a Carbon and Nitrogen Source for Microcystis aeruginosa: Tracking 13C Incorporation at Bloom pH Conditions. Frontiers in Microbiology, 2019, 10, 1064.	1.5	75
56	Viruses as potential regulators of regional brown tide blooms caused by the alga,Aureococcus anophagefferens. Estuaries and Coasts, 2004, 27, 112-119.	1.7	74
57	Glyphosate influence on phytoplankton community structure in Lake Erie. Journal of Great Lakes Research, 2011, 37, 683-690.	0.8	73
58	The microbial carbon pump and the oceanic recalcitrant dissolved organic matter pool. Nature Reviews Microbiology, 2011, 9, 555-555.	13.6	73
59	The Complicated and Confusing Ecology of<i>Microcystis</i>Blooms. MBio, 2020, 11, .	1.8	73
60	The diversity and distribution of toxigenic Microcystis spp. in present day and archived pelagic and sediment samples from Lake Erie. Harmful Algae, 2009, 8, 385-394.	2.2	68
61	Synechococcus growth in the ocean may depend on the lysis of heterotrophic bacteria. Journal of Plankton Research, 2011, 33, 1465-1476.	0.8	66
62	Examining the impact of acetylene on N-fixation and the active sediment microbial community. Frontiers in Microbiology, 2015, 6, 418.	1.5	63
63	Iron stable isotopes track pelagic iron cycling during a subtropical phytoplankton bloom. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E15-20.	3.3	63
64	Phytoplankton community response to a manipulation of bioavailable iron in HNLC waters of the subtropical Pacific Ocean. Aquatic Microbial Ecology, 2004, 35, 79-91.	0.9	63
65	Measurements of DNA damage and photoreactivation imply that most viruses in marine surface waters are infective. Aquatic Microbial Ecology, 1998, 14, 215-222.	0.9	62
66	Models predict planned phosphorus load reduction will make Lake Erie more toxic. Science, 2022, 376, 1001-1005.	6.0	62
67	Microbial control of diatom bloom dynamics in the open ocean. Geophysical Research Letters, 2012, 39, .	1.5	61
68	Infection by a Giant Virus (AaV) Induces Widespread Physiological Reprogramming in Aureococcus anophagefferens CCMP1984 â€“ A Harmful Bloom Algae. Frontiers in Microbiology, 2018, 9, 752.	1.5	60
69	Urea in Lake Erie: Organic nutrient sources as potentially important drivers of phytoplankton biomass. Journal of Great Lakes Research, 2016, 42, 599-607.	0.8	57
70	Community Biological Ammonium Demand: A Conceptual Model for Cyanobacteria Blooms in Eutrophic Lakes. Environmental Science & Technology, 2017, 51, 7785-7793.	4.6	56
71	Viruses of Eukaryotic Algae: Diversity, Methods for Detection, and Future Directions. Viruses, 2018, 10, 487.	1.5	56
72	PAH Biodegradative Genotypes in Lake Erie Sediments: Evidence for Broad Geographical Distribution of Pyrene-Degrading Mycobacteria. Environmental Science & Technology, 2009, 43, 3467-3473.	4.6	55

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73	Seasonally Relevant Cool Temperatures Interact with N Chemistry to Increase Microcystins Produced in Lab Cultures of <i>Microcystis aeruginosa</i> NIES-843. Environmental Science & Technology, 2018, 52, 4127-4136.	4.6	55
74	Lysogenic reproductive strategies of viral communities vary with soil depth and are correlated with bacterial diversity. Soil Biology and Biochemistry, 2020, 144, 107767.	4.2	55
75	Toward More Transparent and Reproducible Omics Studies Through a Common Metadata Checklist and Data Publications. OMICS A Journal of Integrative Biology, 2014, 18, 10-14.	1.0	54
76	UV radiation induced DNA damage in marine viruses along a latitudinal gradient in the southeastern Pacific Ocean. Aquatic Microbial Ecology, 2003, 31, 1-8.	0.9	54
77	Effect of phosphorus amendments on present day plankton communities in pelagic Lake Erie. Aquatic Microbial Ecology, 2003, 32, 275-285.	0.9	54
78	Microbial Distributions and the Impact of Phosphorus on Bacterial Activity in Lake Erie. Journal of Great Lakes Research, 2004, 30, 166-183.	0.8	52
79	A Studentâ€™s Guide to Giant Viruses Infecting Small Eukaryotes: From Acanthamoeba to Zooxanthellae. Viruses, 2017, 9, 46.	1.5	52
80	Bacterial carbon production in Lake Erie is influenced by viruses and solar radiation. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 317-326.	0.7	50
81	Distribution of calcifying and silicifying phytoplankton in relation to environmental and biogeochemical parameters during the late stages of the 2005 North East Atlantic Spring Bloom. Biogeosciences, 2009, 6, 2155-2179.	1.3	50
82	Temporal changes in particle-associated microbial communities after interception by nonlethal sediment traps. FEMS Microbiology Ecology, 2014, 87, 153-163.	1.3	50
83	Metatranscriptomic Evidence for Co-Occurring Top-Down and Bottom-Up Controls on Toxic Cyanobacterial Communities. Applied and Environmental Microbiology, 2015, 81, 3268-3276.	1.4	50
84	Seasonal Hypoxia and the Genetic Diversity of Prokaryote Populations in the Central Basin Hypolimnion of Lake Erie: Evidence for Abundant Cyanobacteria and Photosynthesis. Journal of Great Lakes Research, 2006, 32, 657.	0.8	49
85	Sunlight-induced DNA damage and resistance in natural viral communities. Aquatic Microbial Ecology, 1999, 17, 111-120.	0.9	49
86	A comparison of Fe bioavailability and binding of a catecholate siderophore with virus-mediated lysates from the marine bacterium Vibrio alginolyticus PWH3a. Journal of Experimental Marine Biology and Ecology, 2011, 399, 43-47.	0.7	48
87	Averting an Outbreak of SARS-CoV-2 in a University Residence Hall through Wastewater Surveillance. Microbiology Spectrum, 2021, 9, e0079221.	1.2	47
88	Functional Characteristics of the Gut Microbiome in C57BL/6 Mice Differentially Susceptible to Plasmodium yoelii. Frontiers in Microbiology, 2016, 7, 1520.	1.5	46
89	UV radiation effects on heterotrophic bacterioplankton and viruses in marine ecosystems. , 2000, , 206-236.		45
90	Viruses in aquatic ecosystems: important advancements of the last 20 years and prospects for the future in the field of microbial oceanography and limnology. Advances in Oceanography and Limnology, 2010, 1, 97-141.	0.2	45

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91	Spatial and temporal variability in the nitrogen cyclers of hypereutrophic Lake Taihu. FEMS Microbiology Ecology, 2017, 93, .	1.3	45
92	Polyphasic characterization of water bloom forming Raphidiopsis species (cyanobacteria) from central China. Harmful Algae, 2008, 7, 146-153.	2.2	44
93	Plasticity of Total and Intracellular Phosphorus Quotas in Microcystis aeruginosa Cultures and Lake Erie Algal Assemblages. Frontiers in Microbiology, 2012, 3, 3.	1.5	44
94	Bioavailability of iron to <i>Trichodesmium</i> colonies in the western subtropical Atlantic Ocean. Limnology and Oceanography, 2003, 48, 2250-2255.	1.6	43
95	Ecology of phytoplankton communities dominated by Aureococcus anophagefferens: the role of viruses, nutrients, and microzooplankton grazing. Harmful Algae, 2004, 3, 471-483.	2.2	43
96	Grazing and virus-induced mortality of microbial populations before and during the onset of annual hypoxia in Lake Erie. Aquatic Microbial Ecology, 2008, 51, 117-128.	0.9	42
97	Ubiquitous cyanobacterial podoviruses in the global oceans unveiled through viral DNA polymerase gene sequences. ISME Journal, 2010, 4, 1243-1251.	4.4	41
98	Diversity and dynamics of algal Megaviridae members during a harmful brown tide caused by the pelagophyte,<i>Aureococcus anophagefferens</i>. FEMS Microbiology Ecology, 2016, 92, fiw058.	1.3	41
99	Genome and Environmental Activity of a Chrysochromulina parva Virus and Its Virophages. Frontiers in Microbiology, 2019, 10, 703.	1.5	41
100	Substrate specificity of aquatic extracellular peptidases assessed by competitive inhibition assays using synthetic substrates. Aquatic Microbial Ecology, 2015, 75, 271-281.	0.9	41
101	Genomic exploration of individual giant ocean viruses. ISME Journal, 2017, 11, 1736-1745.	4.4	40
102	Characterization and field trials of a bioluminescent bacterial reporter of iron bioavailability. Marine Chemistry, 2003, 83, 31-46.	0.9	39
103	Dynamics and short-term survival of toxic cyanobacteria species in ballast water from NOBOB vessels transiting the Great Lakesâ€"implications for HAB invasions. Harmful Algae, 2007, 6, 519-530.	2.2	39
104	A comparison of biogenic iron quotas during a diatom spring bloom using multiple approaches. Biogeosciences, 2012, 9, 667-687.	1.3	39
105	Phytoplankton community structure changes following simulated upwelled iron inputs in the Peru upwelling region. Aquatic Microbial Ecology, 2005, 38, 269-282.	0.9	38
106	Evidence against fluvial seeding of recurrent toxic blooms of Microcystis spp. in Lake Erie's western basin. Harmful Algae, 2012, 15, 71-77.	2.2	37
107	Why are biotic iron pools uniform across highâ€•and lowâ€•iron pelagic ecosystems?. Global Biogeochemical Cycles, 2015, 29, 1028-1043.	1.9	37
108	Viral abundance and diversity vary with depth in a southeastern United States agricultural ultisol. Soil Biology and Biochemistry, 2019, 137, 107546.	4.2	37

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109	Molecular prediction of lytic vs lysogenic states for Microcystis phage: Metatranscriptomic evidence of lysogeny during large bloom events. PLoS ONE, 2017, 12, e0184146.	1.1	37
110	Application of the major capsid protein as a marker of the phylogenetic diversity of Emiliania huxleyi viruses. FEMS Microbiology Ecology, 2011, 76, 373-380.	1.3	36
111	Viral and bacterial abundance and production in the Western Pacific Ocean and the relation to other oceanic realms. FEMS Microbiology Ecology, 2012, 79, 359-370.	1.3	36
112	Ecological aspects of viral infection and lysis in the harmful brown tide alga Aureococcus anophagefferens. Aquatic Microbial Ecology, 2007, 47, 25-36.	0.9	36
113	Physiological changes in the coastal marine cyanobacterium Synechococcus sp. PCC 7002 exposed to low ferric ion levels. Marine Chemistry, 1995, 50, 207-217.	0.9	35
114	Estimation of Biologically Damaging UV Levels in Marine Surface Waters with DNA and Viral DosimetersÂ¶. Photochemistry and Photobiology, 2002, 76, 268.	1.3	35
115	Pelagic iron cycling during the subtropical spring bloom, east of New Zealand. Marine Chemistry, 2014, 160, 18-33.	0.9	35
116	Diel regulation of hydrogen peroxide defenses by open ocean microbial communities. Journal of Plankton Research, 2016, 38, 1103-1114.	0.8	35
117	PHYSIOLOGICAL CHARACTERIZATION OF ASYNECHOCOCCUSSP. (CYANOPHYCEAE) STRAIN PCC 7942 IRON-DEPENDENT BIOREPORTER FOR FRESHWATER ENVIRONMENTS1. Journal of Phycology, 2003, 39, 64-73.	1.0	34
118	Impact of phytoplankton on the biogeochemical cycling of iron in subantarctic waters southeast of New Zealand during FeCycle. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	1.9	34
119	Molecular Enumeration of an Ecologically Important Cyanophage in a Laurentian Great Lake. Applied and Environmental Microbiology, 2011, 77, 6772-6779.	1.4	34
120	Comment: An alternative interpretation of the relationship between TN:TP and microcystins in Canadian lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 1265-1268.	0.7	33
121	Constraints on viral production in the Sargasso Sea and North Atlantic. Aquatic Microbial Ecology, 2008, 52, 233-244.	0.9	33
122	Virus and siderophore-mediated transfer of available Fe between heterotrophic bacteria: characterization using an Fe-specific bioreporter. Aquatic Microbial Ecology, 2005, 41, 233-245.	0.9	33
123	Effects of increased pCO2 and temperature on the North Atlantic spring bloom. III. Dimethylsulfoniopropionate. Marine Ecology - Progress Series, 2009, 388, 41-49.	0.9	33
124	PHYSIOLOGICAL PROFILES OF SYNECHOCOCCUS (CYANOPHYCEAE) IN IRON-LIMITING CONTINUOUS CULTURES1. Journal of Phycology, 1995, 31, 79-85.	1.0	32
125	ANALYSES OF THE COMPLETE CHLOROPLAST GENOME SEQUENCES OF TWO MEMBERS OF THE PELAGOPHYCEAE: <i>AUREOCOCCUS ANOPHAGEFFERENS</i> CCMP1984 AND <i>AUREOUMBRA LAGUNENSIS</i> CCMP1507¹. Journal of Phycology, 2010, 46, 602-615.	1.0	32
126	High abundances of cyanomyoviruses in marine ecosystems demonstrate ecological relevance. FEMS Microbiology Ecology, 2013, 84, 223-234.	1.3	32

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127	Viral and bacterial community responses to stimulated Fe(III)â€bioreduction during simulated subsurface bioremediation. Environmental Microbiology, 2019, 21, 2043-2055.	1.8	32
128	Determining rates of virus production in aquatic systems by the virus reduction approach. , 0, , 1-8.		32
129	ISOLATION OF A NONâ€PHAGEâ€LIKE LYTIC VIRUS INFECTING <i> AUREOCOCCUS ANOPHAGEFFERENS</i>¹. Journal of Phycology, 2008, 44, 71-76.	1.0	31
130	Elevated pH Conditions Associated With Microcystis spp. Blooms Decrease Viability of the Cultured Diatom Fragilaria crotonensis and Natural Diatoms in Lake Erie. Frontiers in Microbiology, 2021, 12, 598736.	1.5	31
131	Standing on the Shoulders of Giant Viruses: Five Lessons Learned about Large Viruses Infecting Small Eukaryotes and the Opportunities They Create. PLoS Pathogens, 2016, 12, e1005752.	2.1	30
132	Evidence for the importance of catechol-type siderophores in the iron-limited growth of a cyanobacterium. Limnology and Oceanography, 1998, 43, 992-997.	1.6	28
133	Iron plays a role in nitrate drawdown by phytoplankton in Lake Erie surface waters as observed in lake-wide assessments. Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 369-381.	0.7	28
134	Genomic signatures of Lake Erie bacteria suggest interaction in the Microcystis phycosphere. PLoS ONE, 2021, 16, e0257017.	1.1	28
135	Unraveling the viral tapestry (from inside the capsid out). ISME Journal, 2011, 5, 165-168.	4.4	27
136	Production of viruses during a spring phytoplankton bloom in the South Pacific Ocean near of New Zealand. FEMS Microbiology Ecology, 2012, 79, 709-719.	1.3	27
137	Diversity of Active Viral Infections within the Sphagnum Microbiome. Applied and Environmental Microbiology, 2018, 84, .	1.4	27
138	Field Investigations of Trace Metal Effects on Lake Erie Phytoplankton Productivity. Journal of Great Lakes Research, 2005, 31, 168-179.	0.8	26
139	Taxonomic assessment of a toxic cyanobacteria shift in hypereutrophic Grand Lake St. Marys (Ohio,) Tj ETQq1 1 0.784314 rgBT /Over	2.2	26
140	Dynamic, mechanistic, molecularâ€level modelling of cyanobacteria: <i>Anabaena</i> and nitrogen interaction. Environmental Microbiology, 2016, 18, 2721-2731.	1.8	25
141	Nutrient stoichiometry shapes microbial coevolution. Ecology Letters, 2019, 22, 1009-1018.	3.0	25
142	Temporal variation of dissolved methane in a subtropical mesoscale eddy during a phytoplankton bloom in the southwest Pacific Ocean. Progress in Oceanography, 2013, 116, 193-206.	1.5	24
143	Spatial and Temporal Variation in Paralytic Shellfish Toxin Production by Benthic Microseira (Lyngbya) wollei in a Freshwater New York Lake. Toxins, 2019, 11, 44.	1.5	24
144	Consideration of the bioavailability of iron in the North American Great Lakes: Development of novel approaches toward understanding iron biogeochemistry. Aquatic Ecosystem Health and Management, 2004, 7, 475-490.	0.3	23

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145	Episodic Decrease in Temperature Increases mcy Gene Transcription and Cellular Microcystin in Continuous Cultures of Microcystis aeruginosa PCC 7806. Frontiers in Microbiology, 2020, 11, 601864.	1.5	23
146	Seasonal Si:C ratios in Lake Erie diatoms â€" Evidence of an active winter diatom community. Journal of Great Lakes Research, 2012, 38, 206-211.	0.8	22
147	Metatranscriptomic Analyses of Diel Metabolic Functions During a Microcystis Bloom in Western Lake Erie (United States). Frontiers in Microbiology, 2019, 10, 2081.	1.5	22
148	Elemental quotas and physiology of a southwestern Pacific Ocean plankton community as a function of iron availability. Aquatic Microbial Ecology, 2013, 68, 185-194.	0.9	22
149	Inhibition of Copper Uptake in Yeast Reveals the Copper Transporter Ctr1p As a Potential Molecular Target of Saxitoxin. Environmental Science & Technology, 2012, 46, 2959-2966.	4.6	21
150	Adaptations to photoautotrophy associated with seasonal ice cover in a large lake revealed by metatranscriptome analysis of a winter diatom bloom. Journal of Great Lakes Research, 2016, 42, 1007-1015.	0.8	20
151	Tracking changes in bioavailable Fe within high-nitrate low-chlorophyll oceanic waters: A first estimate using a heterotrophic bacterial bioreporter. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	1.9	19
152	Roles of Nutrient Limitation on Western Lake Erie CyanoHAB Toxin Production. Toxins, 2021, 13, 47.	1.5	19
153	The response of the virus community to the SEEDS II mesoscale iron fertilization. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2788-2795.	0.6	18
154	Insight Into the Molecular Mechanisms for Microcystin Biodegradation in Lake Erie and Lake Taihu. Frontiers in Microbiology, 2019, 10, 2741.	1.5	18
155	Intermittent disturbance benefits colony size, biomass and dominance of Microcystis in Lake Taihu under field simulation condition. Harmful Algae, 2020, 99, 101909.	2.2	18
156	Nitrogen flux into metabolites and microcystins changes in response to different nitrogen sources in<scp><i>Microcystis aeruginosa</i>NIES</scp>â€843. Environmental Microbiology, 2020, 22, 2419-2431.	1.8	18
157	Responses of heterotrophic bacteria to solar irradiance in the eastern Pacific Ocean. Aquatic Microbial Ecology, 2007, 47, 153-162.	0.9	18
158	BACTERIAL LYSIS OFAUREOCOCCUS ANOPHAGEFFERENSCCMP 1784 (PELAGOPHYCEAE). Journal of Phycology, 2007, 43, 461-465.	1.0	17
159	The response of bacterial groups to changes in available iron in the Eastern subtropical Pacific Ocean. Journal of Experimental Marine Biology and Ecology, 2007, 348, 11-22.	0.7	17
160	The â€œNeglected Virusesâ€•of Taihu: Abundant Transcripts for Viruses Infecting Eukaryotes and Their Potential Role in Phytoplankton Succession. Frontiers in Microbiology, 2020, 11, 338.	1.5	17
161	Environmental Studies of Cyanobacterial Harmful Algal Blooms Should Include Interactions with the Dynamic Microbiome. Environmental Science & Technology, 2021, 55, 12776-12779.	4.6	17
162	Genome Sequences of Two Temperate Phages, Î¦CB2047-A and Î¦CB2047-C, Infecting <i>Sulfitobacter</i> sp. Strain 2047. Genome Announcements, 2014, 2, .	0.8	16

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