Todd R Miller

List of Publications by Year
in descending order

39 papers	2,432 citations	218677 26 h-index	302126 39 g-index
39 all docs	39 docs citations	39 times ranked	3231 citing authors

#	Article	IF	Citations
1	Real-Time Monitoring of Cyanobacterial Harmful Algal Blooms with the Panther Buoy. ACS ES&T Water, 2022, 2, 1099-1110.	4.6	7
2	Toxins and Other Bioactive Metabolites in Deep Chlorophyll Layers Containing the Cyanobacteria Planktothrix cf. isothrix in Two Georgian Bay Embayments, Lake Huron. Toxins, 2021, 13, 445.	3.4	14
3	Causal relationship between alkaline phosphatase activities and phosphorus dynamics in a eutrophic coastal lagoon in Lake Michigan. Science of the Total Environment, 2021, 787, 147681.	8.0	13
4	A first assessment of cyanobacterial blooms in oligotrophic Lake Superior. Limnology and Oceanography, 2020, 65, 2984-2998.	3.1	43
5	Microcystin Toxins at Potentially Hazardous Levels in Algal Dietary Supplements Revealed by a Combination of Bioassay, Immunoassay, and Mass Spectrometric Methods. Journal of Agricultural and Food Chemistry, 2020, 68, 8016-8025.	5.2	18
6	Harmful Algal Blooms Threaten the Health of Peri-Urban Fisher Communities: A Case Study in Kisumu Bay, Lake Victoria, Kenya. Exposure and Health, 2020, 12, 835-848.	4.9	24
7	Combined Danio rerio embryo morbidity, mortality and photomotor response assay: A tool for developmental risk assessment from chronic cyanoHAB exposure. Science of the Total Environment, 2019, 697, 134210.	8.0	11
8	Automated Subdaily Sampling of Cyanobacterial Toxins on a Buoy Reveals New Temporal Patterns in Toxin Dynamics. Environmental Science & Technology, 2019, 53, 5661-5670.	10.0	18
9	Physical, biogeochemical, and meteorological factors responsible for interannual changes in cyanobacterial community composition and biovolume over two decades in a eutrophic lake. Hydrobiologia, 2019, 828, 165-182.	2.0	6
10	Anabaenopeptins and cyanopeptolins induce systemic toxicity effects in a model organism the nematode Caenorhabditis elegans. Chemosphere, 2019, 214, 60-69.	8.2	51
11	Analysis of cyanobacterial metabolites in surface and raw drinking waters reveals more than microcystin. Water Research, 2018, 140, 280-290.	11.3	58
12	Spatial analysis of toxic or otherwise bioactive cyanobacterial peptides in Green Bay, Lake Michigan. Journal of Great Lakes Research, 2018, 44, 924-933.	1.9	33
13	A Global Analysis of the Relationship between Concentrations of Microcystins in Water and Fish. Frontiers in Marine Science, 2018, 5, .	2.5	38
14	Ecosystem services in the Great Lakes. Journal of Great Lakes Research, 2017, 43, 161-168.	1.9	56
15	A novel single-parameter approach for forecasting algal blooms. Water Research, 2017, 108, 222-231.	11.3	103
16	Cyanobacterial Toxins of the Laurentian Great Lakes, Their Toxicological Effects, and Numerical Limits in Drinking Water. Marine Drugs, 2017, 15, 160.	4.6	62
17	Variable Cyanobacterial Toxin and Metabolite Profiles across Six Eutrophic Lakes of Differing Physiochemical Characteristics. Toxins, 2017, 9, 62.	3.4	71
18	Swit_4259, an acetoacetate decarboxylase-like enzyme from <i>Sphingomonas wittichii</i> RW1. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 672-681.	0.8	2

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19	Emerging investigators series: pyrolysis removes common microconstituents triclocarban, triclosan, and nonylphenol from biosolids. Environmental Science: Water Research and Technology, 2016, 2, 282-289.	2.4	50
20	Long-term monitoring reveals carbonÃ¢â,¬â€œnitrogen metabolism key to microcystin production in eutrophic lakes. Frontiers in Microbiology, 2015, 6, 456.	3.5	28
21	Microcystin mcyA and mcyE Gene Abundances Are Not Appropriate Indicators of Microcystin Concentrations in Lakes. PLoS ONE, 2015, 10, e0125353.	2.5	47
22	Freshwater Harmful Algal Blooms: Toxins and Children's Health. Current Problems in Pediatric and Adolescent Health Care, 2014, 44, 2-24.	1.7	85
23	The Role of Nitrogen Fixation in Cyanobacterial Bloom Toxicity in a Temperate, Eutrophic Lake. PLoS ONE, 2013, 8, e56103.	2.5	127
24	Spatiotemporal Molecular Analysis of Cyanobacteria Blooms Reveals Microcystis-Aphanizomenon Interactions. PLoS ONE, 2013, 8, e74933.	2.5	33
25	Time-scale dependence in numerical simulations: Assessment of physical, chemical, and biological predictions in a stratified lake at temporal scales of hours to months. Environmental Modelling and Software, 2012, 35, 104-121.	4.5	55
26	Genetic diversity of cyanobacteria in four eutrophic lakes. FEMS Microbiology Ecology, 2011, 78, 336-348.	2.7	27
27	Identification of wastewater bacteria involved in the degradation of triclocarban and its non-chlorinated congener. Journal of Hazardous Materials, 2010, 183, 766-772.	12.4	39
28	Genome Sequence of the Dioxin-Mineralizing Bacterium <i>Sphingomonas wittichii</i> RW1. Journal of Bacteriology, 2010, 192, 6101-6102.	2.2	93
29	Fate of Triclosan and Evidence for Reductive Dechlorination of Triclocarban in Estuarine Sediments. Environmental Science & Technology, 2008, 42, 4570-4576.	10.0	203
30	Bacterial community analysis of shallow groundwater undergoing sequential anaerobic and aerobic chloroethene biotransformation. FEMS Microbiology Ecology, 2007, 60, 299-311.	2.7	22
31	Sorption and bioreduction of hexavalent uranium at a military facility by the Chesapeake Bay. Environmental Pollution, 2006, 142, 132-142.	7.5	36
32	Motility is involved in Silicibacter sp. TM1040 interaction with dinoflagellates. Environmental Microbiology, 2006, 8, 1648-1659.	3.8	87
33	Terrestrial models for extraterrestrial life: methanogens and halophiles at Martian temperatures. International Journal of Astrobiology, 2006, 5, 89-97.	1.6	75
34	Chemotaxis of Silicibacter sp. Strain TM1040 toward Dinoflagellate Products. Applied and Environmental Microbiology, 2004, 70, 4692-4701.	3.1	119
35	Dimethylsulfoniopropionate Metabolism by Pfiesteria-Associated Roseobacter spp.. Applied and Environmental Microbiology, 2004, 70, 3383-3391.	3.1	99
36	Genome sequence of Silicibacter pomeroyi reveals adaptations to the marine environment. Nature, 2004, 432, 910-913.	27.8	415

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37	Pfiesteria piscicida, P. shumwayae, and other Pfiesteria-like dinoflagellates. Research in Microbiology, 2003, 154, 85-90.	2.1	17
38	Title is missing!. Journal of Applied Phycology, 2002, 14, 241-254.	2.8	5
39	Bacterial community associated with Pfiesteria-like dinoflagellate cultures. Environmental Microbiology, 2001, 3, 380-396.	3.8	142