

# Todd R Miller

## List of Publications by Year in descending order

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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	Genome sequence of <i>Silicibacter pomeroyi</i> reveals adaptations to the marine environment. <i>Nature</i> , 2004, 432, 910-913.	27.8	415
2	Fate of Triclosan and Evidence for Reductive Dechlorination of Triclocarban in Estuarine Sediments. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4570-4576.	10.0	203
3	Bacterial community associated with <i>Pfiesteria</i> -like dinoflagellate cultures. <i>Environmental Microbiology</i> , 2001, 3, 380-396.	3.8	142
4	The Role of Nitrogen Fixation in Cyanobacterial Bloom Toxicity in a Temperate, Eutrophic Lake. <i>PLoS ONE</i> , 2013, 8, e56103.	2.5	127
5	Chemotaxis of <i>Silicibacter</i> sp. Strain TM1040 toward Dinoflagellate Products. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4692-4701.	3.1	119
6	A novel single-parameter approach for forecasting algal blooms. <i>Water Research</i> , 2017, 108, 222-231.	11.3	103
7	Dimethylsulfoniopropionate Metabolism by <i>Pfiesteria</i> -Associated <i>Roseobacter</i> spp.. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3383-3391.	3.1	99
8	Genome Sequence of the Dioxin-Mineralizing Bacterium <i>Sphingomonas wittichii</i> RW1. <i>Journal of Bacteriology</i> , 2010, 192, 6101-6102.	2.2	93
9	Motility is involved in <i>Silicibacter</i> sp. TM1040 interaction with dinoflagellates. <i>Environmental Microbiology</i> , 2006, 8, 1648-1659.	3.8	87
10	Freshwater Harmful Algal Blooms: Toxins and Children's Health. <i>Current Problems in Pediatric and Adolescent Health Care</i> , 2014, 44, 2-24.	1.7	85
11	Terrestrial models for extraterrestrial life: methanogens and halophiles at Martian temperatures. <i>International Journal of Astrobiology</i> , 2006, 5, 89-97.	1.6	75
12	Variable Cyanobacterial Toxin and Metabolite Profiles across Six Eutrophic Lakes of Differing Physiochemical Characteristics. <i>Toxins</i> , 2017, 9, 62.	3.4	71
13	Cyanobacterial Toxins of the Laurentian Great Lakes, Their Toxicological Effects, and Numerical Limits in Drinking Water. <i>Marine Drugs</i> , 2017, 15, 160.	4.6	62
14	Analysis of cyanobacterial metabolites in surface and raw drinking waters reveals more than microcystin. <i>Water Research</i> , 2018, 140, 280-290.	11.3	58
15	Ecosystem services in the Great Lakes. <i>Journal of Great Lakes Research</i> , 2017, 43, 161-168.	1.9	56
16	Time-scale dependence in numerical simulations: Assessment of physical, chemical, and biological predictions in a stratified lake at temporal scales of hours to months. <i>Environmental Modelling and Software</i> , 2012, 35, 104-121.	4.5	55
17	Anabaenopeptins and cyanopeptolins induce systemic toxicity effects in a model organism the nematode <i>Caenorhabditis elegans</i> . <i>Chemosphere</i> , 2019, 214, 60-69.	8.2	51
18	Emerging investigators series: pyrolysis removes common microconstituents triclocarban, triclosan, and nonylphenol from biosolids. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 282-289.	2.4	50

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19	Microcystin mcyA and mcyE Gene Abundances Are Not Appropriate Indicators of Microcystin Concentrations in Lakes. PLoS ONE, 2015, 10, e0125353.	2.5	47
20	A first assessment of cyanobacterial blooms in oligotrophic Lake Superior. Limnology and Oceanography, 2020, 65, 2984-2998.	3.1	43
21	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
22	A Global Analysis of the Relationship between Concentrations of Microcystins in Water and Fish. Frontiers in Marine Science, 2018, 5, .	2.5	38
23	Sorption and bioreduction of hexavalent uranium at a military facility by the Chesapeake Bay. Environmental Pollution, 2006, 142, 132-142.	7.5	36
24	Spatiotemporal Molecular Analysis of Cyanobacteria Blooms Reveals Microcystis-Aphanizomenon Interactions. PLoS ONE, 2013, 8, e74933.	2.5	33
25	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
26	Long-term monitoring reveals carbon- and nitrogen metabolism key to microcystin production in eutrophic lakes. Frontiers in Microbiology, 2015, 6, 456.	3.5	28
27	Genetic diversity of cyanobacteria in four eutrophic lakes. FEMS Microbiology Ecology, 2011, 78, 336-348.	2.7	27
28	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
29	Bacterial community analysis of shallow groundwater undergoing sequential anaerobic and aerobic chloroethene biotransformation. FEMS Microbiology Ecology, 2007, 60, 299-311.	2.7	22
30	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
31	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
32	Pfiesteria piscicida, P. shumwayae, and other Pfiesteria-like dinoflagellates. Research in Microbiology, 2003, 154, 85-90.	2.1	17
33	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
34	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
35	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
36	Real-Time Monitoring of Cyanobacterial Harmful Algal Blooms with the Panther Buoy. ACS ES&T Water, 2022, 2, 1099-1110.	4.6	7

#	ARTICLE	IF	CITATIONS
37	Physical, biogeochemical, and meteorological factors responsible for interannual changes in cyanobacterial community composition and biovolume over two decades in a eutrophic lake. <i>Hydrobiologia</i> , 2019, 828, 165-182.	2.0	6
38	Title is missing!. <i>Journal of Applied Phycology</i> , 2002, 14, 241-254.	2.8	5
39	Swit_4259, an acetoacetate decarboxylase-like enzyme from <i>Sphingomonas wittichii</i> RW1. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 672-681.	0.8	2