Michael E Pfrender

List of Publications by Year
in descending order

20	3,048	567281 15	794594 19
papers	citations	h-index	g-index

22	22	22	3848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The road not taken: Evolution of tetrodotoxin resistance in the Sierra garter snake (<i>Thamnophis) Tj ETQq1 1 0.784314 rgBT /Overl	3.9	7
2	Combining natural language processing and metabarcoding to reveal pathogen-environment associations. PLoS Neglected Tropical Diseases, 2021, 15, e0008755.	3.0	3
3	Calibrating Environmental DNA Metabarcoding to Conventional Surveys for Measuring Fish Species Richness. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	74
4	Uncovering Effects from the Structure of Metabarcode Sequences for Metagenetic and Microbiome Analysis. Methods and Protocols, 2020, 3, 22.	2.0	6
5	The geographic mosaic in parallel: Matching patterns of newt tetrodotoxin levels and snake resistance in multiple predatorâ€“prey pairs. Journal of Animal Ecology, 2020, 89, 1645-1657.	2.8	22
6	Gene content evolution in the arthropods. Genome Biology, 2020, 21, 15.	8.8	150
7	Molecular Adaptations for Sensing and Securing Prey and Insight into Amniote Genome Diversity from the Garter Snake Genome. Genome Biology and Evolution, 2018, 10, 2110-2129.	2.5	72
8	Effects of sampling effort on biodiversity patterns estimated from environmental DNA metabarcoding surveys. Scientific Reports, 2018, 8, 8843.	3.3	113
9	Fish community assessment with eDNA metabarcoding: effects of sampling design and bioinformatic filtering. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 1362-1374.	1.4	161
10	Environmental <scp>DNA</scp> metabarcoding: Transforming how we survey animal and plant communities. Molecular Ecology, 2017, 26, 5872-5895.	3.9	1,210
11	Estimating species richness using environmental <scp>DNA</scp>. Ecology and Evolution, 2016, 6, 4214-4226.	1.9	169
12	Historical Contingency in a Multigene Family Facilitates Adaptive Evolution of Toxin Resistance. Current Biology, 2016, 26, 1616-1621.	3.9	47
13	Quantification of mesocosm fish and amphibian species diversity via environmental <scp>DNA</scp> metabarcoding. Molecular Ecology Resources, 2016, 16, 29-41.	4.8	311
14	Parallel Evolution of Tetrodotoxin Resistance in Three Voltage-Gated Sodium Channel Genes in the Garter Snake Thamnophis sirtalis. Molecular Biology and Evolution, 2014, 31, 2836-2846.	8.9	60
15	Constraint shapes convergence in tetrodotoxin-resistant sodium channels of snakes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4556-4561.	7.1	139
16	Conservation in a cup of water: estimating biodiversity and population abundance from environmental DNA. Molecular Ecology, 2012, 21, 2555-2558.	3.9	248
17	Genetic architecture of a feeding adaptation: garter snake (Thamnophis) resistance to tetrodotoxin bearing prey. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3317-3325.	2.6	43
18	The evolutionary origins of beneficial alleles during the repeated adaptation of garter snakes to deadly prey. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13415-13420.	7.1	109

#	Article	IF	Citations
19	Estimating fish alpha- and beta-diversity along a small stream with environmental DNA metabarcoding. Metabarcoding and Metagenomics, 0, 2, e24262.	0.0	48
20	Optimising the detection of marine taxonomic richness using environmental DNA metabarcoding: the effects of filter material, pore size and extraction method. Metabarcoding and Metagenomics, 0, 2, .	0.0	55