Michael H Cortez

List of Publications by Year
in descending order

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20 papers	539 citations	759233 12 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	476 citing authors

#	Article	IF	Citations
1	Understanding Rapid Evolution in Predatorâ€Prey Interactions Using the Theory of Fastâ€Slow Dynamical Systems. American Naturalist, 2010, 176, E109-E127.	2.1	112
2	How the Magnitude of Prey Genetic Variation Alters Predator-Prey Eco-Evolutionary Dynamics. American Naturalist, 2016, 188, 329-341.	2.1	56
3	Comparing the qualitatively different effects rapidly evolving and rapidly induced defences have on predatorâ€“prey interactions. Ecology Letters, 2011, 14, 202-209.	6.4	54
4	Hydra effects in stable communities and their implications for system dynamics. Ecology, 2016, 97, 1135-1145.	3.2	44
5	Population Density, Not Host Competence, Drives Patterns of Disease in an Invaded Community. American Naturalist, 2016, 188, 554-566.	2.1	41
6	Genetic variation determines which feedbacks drive and alter predatorâ€“prey ecoâ€evolutionary cycles. Ecological Monographs, 2018, 88, 353-371.	5.4	38
7	The Effects of Predator Evolution and Genetic Variation on Predatorâ€“Prey Population-Level Dynamics. Bulletin of Mathematical Biology, 2017, 79, 1510-1538.	1.9	33
8	Partitioning the Effects of Eco-Evolutionary Feedbacks on Community Stability. American Naturalist, 2018, 191, 381-394.	2.1	25
9	The many potential indirect interactions between predators that share competing prey. Ecological Monographs, 2015, 85, 625-641.	5.4	23
10	Coevolution-driven predator-prey cycles: predicting the characteristics of eco-coevolutionary cycles using fast-slow dynamical systems theory. Theoretical Ecology, 2015, 8, 369-382.	1.0	18
11	Destabilizing evolutionary and eco-evolutionary feedbacks drive empirical eco-evolutionary cycles. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192298.	2.6	16
12	Is competition needed for ecological character displacement? Does displacement decrease competition?. Evolution; International Journal of Organic Evolution, 2015, 69, 3039-3053.	2.3	14
13	The Context-Dependent Effects of Host Competence, Competition, and Pathogen Transmission Mode on Disease Prevalence. American Naturalist, 2021, 198, 179-194.	2.1	14
14	Multiple regimes of robust patterns between network structure and biodiversity. Scientific Reports, 2015, 5, 17856.	3.3	11
15	Hydra effects in discrete-time models of stable communities. Journal of Theoretical Biology, 2016, 411, 59-67.	1.7	10
16	How (co)evolution alters predator responses to increased mortality: extinction thresholds and hydra effects. Ecology, 2019, 100, e02789.	3.2	10
17	Using sensitivity analysis to identify factors promoting higher versus lower infection prevalence in multi-host communities. Journal of Theoretical Biology, 2021, 526, 110766.	1.7	6
18	Augmentation of Granular Anaerobic Sludge with Algalytic Bacteria Enhances Methane Production from Microalgal Biomass. Fermentation, 2019, 5, 88.	3.0	5

#	Article	IF	Citations
19	Evolutionary and Plastic Phenotypic Change Can Be Just as Fast as Changes in Population Densities. American Naturalist, 2021, 197, 47-59.	2.1	5
20	How intra-stage and inter-stage competition affect overcompensation in density and hydra effects in single-species, stage-structured models. Theoretical Ecology, 2021, 14, 23-39.	1.0	4