Selina VÃ¥ge

List of Publications by Year
in descending order

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19 papers	753 citations	759233 12 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	991 citing authors

#	Article	IF	Citations
1	Individual-based model highlights the importance of trade-offs for virus-host population dynamics and long-term co-existence. PLoS Computational Biology, 2022, 18, e1010228.	3.2	2
2	Reproducing the virusâ€toâ€copepod link in Arctic mesocosms using host fitness optimization. Limnology and Oceanography, 2021, 66, S303.	3.1	6
3	Adaptive evolution of viruses infecting marine microalgae (haptophytes), from acute infections to stable coexistence. Biological Reviews, 2021, , .	10.4	3
4	Temperate infection in a virusâ€“host system previously known for virulent dynamics. Nature Communications, 2020, 11, 4626.	12.8	28
5	Hostâ€“virusâ€“predator coexistence in a grey-box model with dynamic optimization of host fitness. ISME Journal, 2019, 13, 3102-3111.	9.8	3
6	Simple models combining competition, defence and resource availability have broad implications in pelagic microbial food webs. Ecology Letters, 2018, 21, 1440-1452.	6.4	33
7	Dampened copepodâ€mediated trophic cascades in a microzooplanktonâ€dominated microbial food web: A mesocosm study. Limnology and Oceanography, 2017, 62, 1031-1044.	3.1	15
8	The Response of Heterotrophic Prokaryote and Viral Communities to Labile Organic Carbon Inputs Is Controlled by the Predator Food Chain Structure. Viruses, 2017, 9, 238.	3.3	16
9	Quantifying Tradeoffs for Marine Viruses. Frontiers in Marine Science, 2016, 3, .	2.5	38
10	Linking internal and external bacterial community control gives mechanistic framework for pelagic virusâ€toâ€bacteria ratios. Environmental Microbiology, 2016, 18, 3932-3948.	3.8	10
11	Defining Planktonic Protist Functional Groups on Mechanisms for Energy and Nutrient Acquisition: Incorporation of Diverse Mixotrophic Strategies. Protist, 2016, 167, 106-120.	1.5	290
12	What difference does it make if viruses are strain-, rather than species-specific?. Frontiers in Microbiology, 2015, 6, 320.	3.5	21
13	Fractal Hypothesis of the Pelagic Microbial Ecosystemâ€”Can Simple Ecological Principles Lead to Self-Similar Complexity in the Pelagic Microbial Food Web?. Frontiers in Microbiology, 2015, 6, 1357.	3.5	8
14	Optimal Defense Strategies in an Idealized Microbial Food Web under Trade-Off between Competition and Defense. PLoS ONE, 2014, 9, e101415.	2.5	29
15	A theoretical analysis of how strain-specific viruses can control microbial species diversity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7813-7818.	7.1	130
16	SAR11 viruses and defensive host strains. Nature, 2013, 499, E3-E4.	27.8	39
17	Successful strategies in size structured mixotrophic food webs. Aquatic Ecology, 2013, 47, 329-347.	1.5	27
18	The Scaled Subspaces Method: A new trait-based approach to model communities of populations with largely inhomogeneous density. Ecological Modelling, 2013, 251, 173-186.	2.5	3

#	Article	IF	Citations
19	Adding a cost of resistance description extends the ability of virusâ€“host model to explain observed patterns in structure and function of pelagic microbial communities. Environmental Microbiology, 2013, 15, 1842-1852.	3.8	52