

# Sylke Wohlrab

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,300  
citations

430442

18  
h-index

454577

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1880  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal bottlenecks in the life cycle define climate vulnerability of fish. <i>Science</i> , 2020, 369, 65-70.	6.0	373
2	Comparative Genomic and Transcriptomic Characterization of the Toxigenic Marine Dinoflagellate <i>Alexandrium ostenfeldii</i> . <i>PLoS ONE</i> , 2011, 6, e28012.	1.1	92
3	An aerobic eukaryotic parasite with functional mitochondria that likely lacks a mitochondrial genome. <i>Science Advances</i> , 2019, 5, eaav1110.	4.7	76
4	Influence of Ocean Acidification on a Natural Winter-to-Summer Plankton Succession: First Insights from a Long-Term Mesocosm Study Draw Attention to Periods of Low Nutrient Concentrations. <i>PLoS ONE</i> , 2016, 11, e0159068.	1.1	64
5	Niche-based assembly of bacterial consortia on the diatom <i>Thalassiosira rotula</i> is stable and reproducible. <i>ISME Journal</i> , 2020, 14, 1614-1625.	4.4	59
6	Intraspecific trait variation and trade-offs within and across populations of a toxic dinoflagellate. <i>Ecology Letters</i> , 2018, 21, 1561-1571.	3.0	58
7	Induction of domoic acid production in diatoms—Types of grazers and diatoms are important. <i>Harmful Algae</i> , 2018, 79, 64-73.	2.2	57
8	A Molecular and Co-Evolutionary Context for Grazer Induced Toxin Production in <i>Alexandrium tamarense</i> . <i>PLoS ONE</i> , 2010, 5, e15039.	1.1	57
9	Intraspecific facilitation by allelochemical mediated grazing protection within a toxigenic dinoflagellate population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141268.	1.2	48
10	Impact of elevated pCO <sub>2</sub> on paralytic shellfish poisoning toxin content and composition in <i>Alexandrium tamarense</i> . <i>Toxicon</i> , 2014, 78, 58-67.	0.8	45
11	Genomic Insights into Processes Driving the Infection of <i>Alexandrium tamarense</i> by the Parasitoid <i>Amoebophrya</i> sp. <i>Eukaryotic Cell</i> , 2014, 13, 1439-1449.	3.4	42
12	Fight and flight in dinoflagellates? Kinetics of simultaneous grazer-induced responses in <i>Alexandrium tamarense</i> . <i>Limnology and Oceanography</i> , 2012, 57, 58-64.	1.6	30
13	Combined physical, chemical and biological factors shape <i>Alexandrium ostenfeldii</i> blooms in The Netherlands. <i>Harmful Algae</i> , 2017, 63, 146-153.	2.2	30
14	Molecular diversity patterns among various phytoplankton size-fractions in West Greenland in late summer. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 121, 54-69.	0.6	30
15	Effects of ocean acidification on primary production in a coastal North Sea phytoplankton community. <i>PLoS ONE</i> , 2017, 12, e0172594.	1.1	27
16	Fish embryo vulnerability to combined acidification and warming coincides with low capacity for homeostatic regulation. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	26
17	Transcriptomic responses to grazing reveal the metabolic pathway leading to the biosynthesis of domoic acid and highlight different defense strategies in diatoms. <i>BMC Molecular Biology</i> , 2019, 20, 7.	3.0	23
18	Transcriptomic profiling of <i>Alexandrium fundyense</i> during physical interaction with or exposure to chemical signals from the parasite <i>Amoebophrya</i> . <i>Molecular Ecology</i> , 2016, 25, 1294-1307.	2.0	22

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19	Predator cues reduce intraspecific trait variability in a marine dinoflagellate. <i>BMC Ecology</i> , 2017, 17, 8.	3.0	20
20	Metatranscriptome Profiling Indicates Size-Dependent Differentiation in Plastic and Conserved Community Traits and Functional Diversification in Dinoflagellate Communities. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	20
21	Functional Genomics Differentiate Inherent and Environmentally Influenced Traits in Dinoflagellate and Diatom Communities. <i>Microorganisms</i> , 2020, 8, 567.	1.6	18
22	Trait changes induced by species interactions in two phenotypically distinct strains of a marine dinoflagellate. <i>ISME Journal</i> , 2016, 10, 2658-2668.	4.4	15
23	Can domoic acid affect escape response in copepods?. <i>Harmful Algae</i> , 2018, 79, 50-52.	2.2	11
24	Trophic interactions, toxicokinetics, and detoxification processes in a domoic acid-producing diatom and two copepod species. <i>Limnology and Oceanography</i> , 2019, 64, 833-848.	1.6	11
25	Ocean acidification increases domoic acid contents during a spring to summer succession of coastal phytoplankton. <i>Harmful Algae</i> , 2020, 92, 101697.	2.2	10
26	Polyketide synthase genes and molecular trade-offs in the ichthyotoxic species <i>Prymnesium parvum</i> . <i>Science of the Total Environment</i> , 2021, 795, 148878.	3.9	10
27	Comparative Metabarcoding and Metatranscriptomic Analysis of Microeukaryotes Within Coastal Surface Waters of West Greenland and Northwest Iceland. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	9
28	Seasonal plankton succession is in accordance with phycotoxin occurrence in Disko Bay, West Greenland. <i>Harmful Algae</i> , 2021, 103, 101978.	2.2	6
29	Reply to: methodological inconsistencies define thermal bottlenecks in fish life cycle. <i>Evolutionary Ecology</i> , 2022, 36, 293-298.	0.5	6
30	Mass Spectrometry-Based Characterization of New Spirolides from <i>Alexandrium ostenfeldii</i> (Dinophyceae). <i>Marine Drugs</i> , 2020, 18, 505.	2.2	5