

# Meike Vogt

## List of Publications by Year in descending order

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43  
papers

2,802  
citations

172457

29  
h-index

265206

42  
g-index

46  
all docs

46  
docs citations

46  
times ranked

4119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking the Spaceâ€Time Evolution of Ocean Acidification Extremes in the California Current System and Northeast Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	7
2	Strong Habitat Compression by Extreme Shoaling Events of Hypoxic Waters in the Eastern Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	8
3	Functional traitâ€based approaches as a common framework for aquatic ecologists. <i>Limnology and Oceanography</i> , 2021, 66, 965-994.	3.1	99
4	Factors controlling the competition between &lt;i>Phaeocystis</i> and diatoms in the Southern Ocean and implications for carbon export fluxes. <i>Biogeosciences</i> , 2021, 18, 251-283.	3.3	19
5	Biome partitioning of the global ocean based on phytoplankton biogeography. <i>Progress in Oceanography</i> , 2021, 194, 102530.	3.2	7
6	Southern Ocean Phytoplankton Community Structure as a Gatekeeper for Global Nutrient Biogeochemistry. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006991.	4.9	10
7	Major restructuring of marine plankton assemblages under global warming. <i>Nature Communications</i> , 2021, 12, 5226.	12.8	67
8	Biogeochemical extremes and compound events in the ocean. <i>Nature</i> , 2021, 600, 395-407.	27.8	96
9	PhytoBase: A global synthesis of open-ocean phytoplankton occurrences. <i>Earth System Science Data</i> , 2020, 12, 907-933.	9.9	12
10	Globally Consistent Quantitative Observations of Planktonic Ecosystems. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	234
11	Global pattern of phytoplankton diversity driven by temperature and environmental variability. <i>Science Advances</i> , 2019, 5, eaau6253.	10.3	134
12	Do functional groups of planktonic copepods differ in their ecological niches?. <i>Journal of Biogeography</i> , 2018, 45, 604-616.	3.0	45
13	Factors controlling coccolithophore biogeography in the Southern Ocean. <i>Biogeosciences</i> , 2018, 15, 6997-7024.	3.3	33
14	ENSOâ€Driven Variability of Denitrification and Suboxia in the Eastern Tropical Pacific Ocean. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1470-1487.	4.9	41
15	Obtaining Phytoplankton Diversity from Ocean Color: A Scientific Roadmap for Future Development. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	133
16	Mare Incognitum: A Glimpse into Future Plankton Diversity and Ecology Research. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	10
17	Role of zooplankton dynamics for Southern Ocean phytoplankton biomass and global biogeochemical cycles. <i>Biogeosciences</i> , 2016, 13, 4111-4133.	3.3	84
18	Projected decreases in future marine export production: the role of the carbon flux through the upper ocean ecosystem. <i>Biogeosciences</i> , 2016, 13, 4023-4047.	3.3	106

#	ARTICLE	IF	CITATIONS
19	Global coccolithophore diversity: Drivers and future change. <i>Progress in Oceanography</i> , 2016, 140, 27-42.	3.2	36
20	A global seasonal surface ocean climatology of phytoplankton types based on CHEMTAX analysis of HPLC pigments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 109, 137-156.	1.4	33
21	On the Southern Ocean CO <sub>2</sub> uptake and the role of the biological carbon pump in the 21st century. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1451-1470.	4.9	85
22	Drivers and uncertainties of future global marine primary production in marine ecosystem models. <i>Biogeosciences</i> , 2015, 12, 6955-6984.	3.3	252
23	Adrift in an ocean of change. <i>Science</i> , 2015, 350, 1466-1468.	12.6	8
24	Ecological niches of open ocean phytoplankton taxa. <i>Limnology and Oceanography</i> , 2015, 60, 1020-1038.	3.1	104
25	Biogeographic classification of the Caspian Sea. <i>Biogeosciences</i> , 2014, 11, 6451-6470.	3.3	34
26	Comparing food web structures and dynamics across a suite of global marine ecosystem models. <i>Ecological Modelling</i> , 2013, 261-262, 43-57.	2.5	71
27	Global marine plankton functional type biomass distributions: coccolithophores. <i>Earth System Science Data</i> , 2013, 5, 259-276.	9.9	71
28	MAREDAT: towards a world atlas of MARine Ecosystem DATa. <i>Earth System Science Data</i> , 2013, 5, 227-239.	9.9	145
29	The intensity, duration, and severity of low aragonite saturation state events on the California continental shelf. <i>Geophysical Research Letters</i> , 2013, 40, 3424-3428.	4.0	70
30	Long-term trends in ocean plankton production and particle export between 1960â€“2006. <i>Biogeosciences</i> , 2013, 10, 7373-7393.	3.3	39
31	Spatiotemporal variability and long-term trends of ocean acidification in the California Current System. <i>Biogeosciences</i> , 2013, 10, 193-216.	3.3	152
32	Corrigendum to "The global distribution of pteropods and their contribution to carbonate and carbon biomass in the modern ocean" published in <i>Earth Syst. Sci. Data</i> , 4, 167â€“186, 2012. <i>Earth System Science Data</i> , 2013, 5, 1-1.	9.9	0
33	Ocean acidification limits temperature-induced poleward expansion of coral habitats around Japan. <i>Biogeosciences</i> , 2012, 9, 4955-4968.	3.3	49
34	Low sensitivity of cloud condensation nuclei to changes in the sea-air flux of dimethyl-sulphide. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7545-7559.	4.9	105
35	A first appraisal of prognostic ocean DMS models and prospects for their use in climate models. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	50
36	Simulating dimethylsulphide seasonality with the Dynamic Green Ocean Model PlankTOM5. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	53

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37	Chapter 1 Impacts of the Oceans on Climate Change. <i>Advances in Marine Biology</i> , 2009, 56, 1-150.	1.4	110
38	Laboratory inter-comparison of dissolved dimethyl sulphide (DMS) measurements using purge-and-trap and solid-phase microextraction techniques during a mesocosm experiment. <i>Marine Chemistry</i> , 2008, 108, 32-39.	2.3	22
39	New Directions: Correspondence on "Enhancing the natural cycle to slow global warming". <i>Atmospheric Environment</i> , 2008, 42, 4803-4805.	4.1	8
40	The Impacts of the Oceans on Climate Change. , 2008, , .		1
41	Dynamics of dimethylsulphoniopropionate and dimethylsulphide under different CO <sub>2</sub> concentrations during a mesocosm experiment. <i>Biogeosciences</i> , 2008, 5, 407-419.	3.3	56
42	Coupling of heterotrophic bacteria to phytoplankton bloom development at different CO <sub>2</sub> levels: a mesocosm study. <i>Biogeosciences</i> , 2008, 5, 1007-1022.	3.3	97
43	The Marine Biodiversity Observation Network Plankton Workshops: Plankton Ecosystem Function, Biodiversity, and Forecasting" Research Requirements and Applications. <i>Limnology and Oceanography Bulletin</i> , 0, , .	0.4	1