Willem H Van De Poll

List of Publications by Year
in descending order

29	1,057	393982	476904
papers	citations	19 h-index	29 g-index

29	29	29	1258
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Springtime phytoplankton responses to light and iron availability along the western Antarctic Peninsula. Limnology and Oceanography, 2022, 67, 800-815.	1.6	2
2	Massive Southern Ocean phytoplankton bloom fed by iron of possible hydrothermal origin. Nature Communications, 2021, 12, 1211.	5.8	25
3	The biogeographic differentiation of algal microbiomes in the upper ocean from pole to pole. Nature Communications, 2021, 12, 5483.	5.8	29
4	Solar radiation and solar radiation driven cycles in warming and freshwater discharge control seasonal and interâ€annual phytoplankton chlorophyll a and taxonomic composition in a high Arctic fjord (Kongsfjorden, Spitsbergen). Limnology and Oceanography, 2021, 66, 1221-1236.	1.6	7
5	Taxonâ€specific dark survival of diatoms and flagellates affects Arctic phytoplankton composition during the polar night and early spring. Limnology and Oceanography, 2020, 65, 903-914.	1.6	23
6	Operating Cabled Underwater Observatories in Rough Shelf-Sea Environments: A Technological Challenge. Frontiers in Marine Science, 2020, 7, .	1.2	10
7	Light Is the Primary Driver of Early Season Phytoplankton Production Along the Western Antarctic Peninsula. Journal of Geophysical Research: Oceans, 2019, 124, 7375-7399.	1.0	27
8	Validation of Stratification-Driven Phytoplankton Biomass and Nutrient Concentrations in the Northeast Atlantic Ocean as Simulated by EC-Earth. Geosciences (Switzerland), 2019, 9, 450.	1.0	2
9	Impact of ocean acidification and high solar radiation on productivity and species composition of a late summer phytoplankton community of the coastal Western Antarctic Peninsula. Limnology and Oceanography, 2019, 64, 1716-1736.	1.6	17
10	Size scaling of photophysiology and growth in four freshly isolated diatom species from Ryder Bay, western Antarctic peninsula. Journal of Phycology, 2019, 55, 314-328.	1.0	5
11	Photophysiology of nitrate limited phytoplankton communities in Kongsfjorden, Spitsbergen. Limnology and Oceanography, 2018, 63, 2606-2617.	1.6	18
12	Contrasting glacial meltwater effects on post-bloom phytoplankton on temporal and spatial scales in Kongsfjorden, Spitsbergen. Elementa, 2018, 6, .	1.1	21
13	Early Spring Phytoplankton Dynamics in the Western Antarctic Peninsula. Journal of Geophysical Research: Oceans, 2017, 122, 9350-9369.	1.0	45
14	Atlantic Advection Driven Changes in Glacial Meltwater: Effects on Phytoplankton Chlorophyll-a and Taxonomic Composition in Kongsfjorden, Spitsbergen. Frontiers in Marine Science, 2016, 3, .	1.2	27
15	Neither elevated nor reduced CO2 affects the photophysiological performance of the marine Antarctic diatom Chaetoceros brevis. Journal of Experimental Marine Biology and Ecology, 2011, 406, 38-45.	0.7	71
16	Xanthophyll cycle activity and photosynthesis of Dunaliella tertiolecta (Chlorophyceae) and Thalassiosira weissflogii (Bacillariophyceae) during fluctuating solar radiation. Phycologia, 2010, 49, 249-259.	0.6	21
17	Excessive irradiance and antioxidant responses of an Antarctic marine diatom exposed to iron limitation and to dynamic irradiance. Journal of Photochemistry and Photobiology B: Biology, 2009, 94, 32-37.	1.7	30
18	Acclimation to a dynamic irradiance regime changes excessive irradiance sensitivity of Emiliania huxleyi and Thalassiosira weissflogii. Limnology and Oceanography, 2007, 52, 1430-1438.	1.6	66

#	Article	IF	Citations
19	Photoacclimation modulates excessive photosynthetically active and ultraviolet radiation effects in a temperate and an Antarctic marine diatom. Limnology and Oceanography, 2006, 51, 1239-1248.	1.6	46
20	Stratospheric Ozone Depletion: High Arctic Tundra Plant Growth on Svalbard is not Affected by Enhanced UV-B after 7 years of UV-B Supplementation in the Field. Plant Ecology, 2006, 182, 121-135.	0.7	37
21	NUTRIENT LIMITATION AND HIGH IRRADIANCE ACCLIMATION REDUCE PAR AND UV-INDUCED VIABILITY LOSS IN THE ANTARCTIC DIATOM CHAETOCEROS BREVIS (BACILLARIOPHYCEAE)1. Journal of Phycology, 2005, 41, 840-850.	1.0	89
22	Habitat related variation in UV tolerance of tropical marine red macrophytes is not temperature dependent. Physiologia Plantarum, 2003, 118, 74-83.	2.6	17
23	Ultraviolet-Bâ€“Induced Cyclobutane-pyrimidine Dimer Formation and Repair in Arctic Marine MacrophytesÂ¶. Photochemistry and Photobiology, 2002, 76, 493.	1.3	56
24	Temperature dependence of UV radiation effects in Arctic and temperate isolates of three red macrophytes. European Journal of Phycology, 2002, 37, 59-68.	0.9	43
25	Ultraviolet-B-Induced Cyclobutane-pyrimidine Dimer Formation and Repair in Arctic Marine MacrophytesÂ¶. Photochemistry and Photobiology, 2002, 76, 493-500.	1.3	3
26	The sensitivity of Emiliania huxleyi (Prymnesiophyceae) to ultraviolet-b radiation. Journal of Phycology, 2001, 36, 296-303.	1.0	71
27	EFFECTS OF UV-B-INDUCED DNA DAMAGE AND PHOTOINHIBITION ON GROWTH OF TEMPERATE MARINE RED MACROPHYTES: HABITAT-RELATED DIFFERENCES IN UV-B TOLERANCE. Journal of Phycology, 2001, 37, 30-38.	1.0	139
28	DNA DAMAGE AND PHOTOSYNTHETIC PERFORMANCE IN THE ANTARCTIC TERRESTRIAL ALGA PRASIOLA CRISPA SSP. ANTARCTICA (CHLOROPHYTA) UNDER MANIPULATED UV-B RADIATION. Journal of Phycology, 2001, 37, 459-467.	1.0	48
29	LOCATION AND EXPRESSION OF FRUSTULINS IN THE PENNATE DIATOMS CYLINDROTHECA FUSIFORMIS, NAVICULA PELLICULOSA, AND NAVICULA SALINARUM (BACILLARIOPHYCEAE). Journal of Phycology, 1999, 35, 1044-1053.	1.0	62