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	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
2	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
3	The sensitivity of Emiliania huxleyi (Prymnesiophyceae) to ultraviolet-b radiation. Journal of Phycology, 2001, 36, 296-303.	1.0	71
4	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
5	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
6	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
7	Ultraviolet-Bâ€“Induced Cyclobutane-pyrimidine Dimer Formation and Repair in Arctic Marine MacrophytesÂ¶. Photochemistry and Photobiology, 2002, 76, 493.	1.3	56
8	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
9	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
10	Early Spring Phytoplankton Dynamics in the Western Antarctic Peninsula. Journal of Geophysical Research: Oceans, 2017, 122, 9350-9369.	1.0	45
11	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
12	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
13	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
14	The biogeographic differentiation of algal microbiomes in the upper ocean from pole to pole. Nature Communications, 2021, 12, 5483.	5.8	29
15	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
16	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
17	Massive Southern Ocean phytoplankton bloom fed by iron of possible hydrothermal origin. Nature Communications, 2021, 12, 1211.	5.8	25
18	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

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19	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
20	Contrasting glacial meltwater effects on post-bloom phytoplankton on temporal and spatial scales in Kongsfjorden, Spitsbergen. Elementa, 2018, 6, .	1.1	21
21	Photophysiology of nitrate limited phytoplankton communities in Kongsfjorden, Spitsbergen. Limnology and Oceanography, 2018, 63, 2606-2617.	1.6	18
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	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
24	Operating Cabled Underwater Observatories in Rough Shelf-Sea Environments: A Technological Challenge. Frontiers in Marine Science, 2020, 7, .	1.2	10
25	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
26	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
27	Ultraviolet-B-Induced Cyclobutane-pyrimidine Dimer Formation and Repair in Arctic Marine MacrophytesÂ¶. Photochemistry and Photobiology, 2002, 76, 493-500.	1.3	3
28	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
29	Springtime phytoplankton responses to light and iron availability along the western Antarctic Peninsula. Limnology and Oceanography, 2022, 67, 800-815.	1.6	2