

Willem H Van De Poll

List of Publications by Citations

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28

papers

823

citations

16

h-index

28

g-index

29

ext. papers

938

ext. citations

4.5

avg, IF

3.67

L-index

#	Paper	IF	Citations
28	EFFECTS OF UV-B-INDUCED DNA DAMAGE AND PHOTOINHIBITION ON GROWTH OF TEMPERATE MARINE RED MACROPHYTES: HABITAT-RELATED DIFFERENCES IN UV-B TOLERANCE . <i>Journal of Phycology</i> , 2001 , 37, 30-38	3	121
27	NUTRIENT LIMITATION AND HIGH IRRADIANCE ACCLIMATION REDUCE PAR AND UV-INDUCED VIABILITY LOSS IN THE ANTARCTIC DIATOM CHAETOCEROS BREVIS (BACILLARIOPHYCEAE)1. <i>Journal of Phycology</i> , 2005 , 41, 840-850	3	76
26	Neither elevated nor reduced CO2 affects the photophysiological performance of the marine Antarctic diatom <i>Chaetoceros brevis</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2011 , 406, 38-45	2.1	65
25	Acclimation to a dynamic irradiance regime changes excessive irradiance sensitivity of <i>Emiliana huxleyi</i> and <i>Thalassiosira weissflogii</i> . <i>Limnology and Oceanography</i> , 2007 , 52, 1430-1438	4.8	53
24	The sensitivity of <i>Emiliana huxleyi</i> (Prymnesiophyceae) to ultraviolet-b radiation. <i>Journal of Phycology</i> , 2001 , 36, 296-303	3	53
23	Ultraviolet-B-induced cyclobutane-pyrimidine dimer formation and repair in Arctic marine macrophytes. <i>Photochemistry and Photobiology</i> , 2002 , 76, 493-500	3.6	53
22	LOCATION AND EXPRESSION OF FRUSTULINS IN THE PENNATE DIATOMS CYLINDROTHECA FUSIFORMIS, NAVICULA PELLICULOSA, AND NAVICULA SALINARUM (BACILLARIOPHYCEAE). <i>Journal of Phycology</i> , 1999 , 35, 1044-1053	3	53
21	DNA DAMAGE AND PHOTOSYNTHETIC PERFORMANCE IN THE ANTARCTIC TERRESTRIAL ALGA PRASIOLA CRISPA SSP. ANTARCTICA (CHLOROPHYTA) UNDER MANIPULATED UV-B RADIATION. <i>Journal of Phycology</i> , 2001 , 37, 459-467	3	46
20	Temperature dependence of UV radiation effects in Arctic and temperate isolates of three red macrophytes. <i>European Journal of Phycology</i> , 2002 , 37, 59-68	2.2	41
19	Photoacclimation modulates excessive photosynthetically active and ultraviolet radiation effects in a temperate and an Antarctic marine diatom. <i>Limnology and Oceanography</i> , 2006 , 51, 1239-1248	4.8	37
18	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. <i>Plant Ecology</i> , 2006 , 182, 121-135	1.7	36
17	Early Spring Phytoplankton Dynamics in the Western Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2017 , 122, 9350-9369	3.3	28
16	Excessive irradiance and antioxidant responses of an Antarctic marine diatom exposed to iron limitation and to dynamic irradiance. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009 , 94, 32-7	6.7	27
15	Xanthophyll cycle activity and photosynthesis of <i>Dunaliella tertiolecta</i> (Chlorophyceae) and <i>Thalassiosira weissflogii</i> (Bacillariophyceae) during fluctuating solar radiation. <i>Phycologia</i> , 2010 , 49, 249-259	2.7	21
14	Atlantic Advection Driven Changes in Glacial Meltwater: Effects on Phytoplankton Chlorophyll-a and Taxonomic Composition in Kongsfjorden, Spitsbergen. <i>Frontiers in Marine Science</i> , 2016 , 3,	4.5	20
13	Habitat related variation in UV tolerance of tropical marine red macrophytes is not temperature dependent. <i>Physiologia Plantarum</i> , 2003 , 118, 74-83	4.6	16
12	Light Is the Primary Driver of Early Season Phytoplankton Production Along the Western Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2019 , 124, 7375-7399	3.3	15

11	Contrasting glacial meltwater effects on post-bloom phytoplankton on temporal and spatial scales in Kongsfjorden, Spitsbergen. <i>Elementa</i> , 2018 , 6,	3.6	15
10	Taxon-specific dark survival of diatoms and flagellates affects Arctic phytoplankton composition during the polar night and early spring. <i>Limnology and Oceanography</i> , 2020 , 65, 903-914	4.8	11
9	Photophysiology of nitrate limited phytoplankton communities in Kongsfjorden, Spitsbergen. <i>Limnology and Oceanography</i> , 2018 , 63, 2606-2617	4.8	9
8	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. <i>Limnology and Oceanography</i> , 2019 , 64, 1716-1736	4.8	7
7	Massive Southern Ocean phytoplankton bloom fed by iron of possible hydrothermal origin. <i>Nature Communications</i> , 2021 , 12, 1211	17.4	5
6	Operating Cabled Underwater Observatories in Rough Shelf-Sea Environments: A Technological Challenge. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	3
5	Size scaling of photophysiology and growth in four freshly isolated diatom species from Ryder Bay, western Antarctic peninsula. <i>Journal of Phycology</i> , 2019 , 55, 314-328	3	3
4	The biogeographic differentiation of algal microbiomes in the upper ocean from pole to pole. <i>Nature Communications</i> , 2021 , 12, 5483	17.4	3
3	Validation of Stratification-Driven Phytoplankton Biomass and Nutrient Concentrations in the Northeast Atlantic Ocean as Simulated by EC-Earth. <i>Geosciences (Switzerland)</i> , 2019 , 9, 450	2.7	2
2	Ultraviolet-B-Induced Cyclobutane-pyrimidine Dimer Formation and Repair in Arctic Marine Macrophytes. <i>Photochemistry and Photobiology</i> , 2007 , 76, 493-500	3.6	2
1	Solar radiation and solar radiation driven cycles in warming and freshwater discharge control seasonal and inter-annual phytoplankton chlorophyll a and taxonomic composition in a high Arctic fjord (Kongsfjorden, Spitsbergen). <i>Limnology and Oceanography</i> , 2021 , 66, 1221-1236	4.8	2