

Willem H Van De Poll

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Massive Southern Ocean phytoplankton bloom fed by iron of possible hydrothermal origin. <i>Nature Communications</i> , 2021 , 12, 1211 | 17.4 | 5 |
| 27 | The biogeographic differentiation of algal microbiomes in the upper ocean from pole to pole. <i>Nature Communications</i> , 2021 , 12, 5483 | 17.4 | 3 |
| 26 | 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 |
| 25 | 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 |
| 24 | Operating Cabled Underwater Observatories in Rough Shelf-Sea Environments: A Technological Challenge. <i>Frontiers in Marine Science</i> , 2020 , 7, | 4.5 | 3 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | Photophysiology of nitrate limited phytoplankton communities in Kongsfjorden, Spitsbergen. <i>Limnology and Oceanography</i> , 2018 , 63, 2606-2617 | 4.8 | 9 |
| 18 | Contrasting glacial meltwater effects on post-bloom phytoplankton on temporal and spatial scales in Kongsfjorden, Spitsbergen. <i>Elementa</i> , 2018 , 6, | 3.6 | 15 |
| 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 | 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 |
| 15 | Neither elevated nor reduced CO ₂ 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |

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|----|---|-----|-----|
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | NUTRIENT LIMITATION AND HIGH IRRADIANCE ACCLIMATION REDUCE PAR AND UV-INDUCED VIABILITY LOSS IN THE ANTARCTIC DIATOM <i>CHAETOCEROS BREVIS</i> (BACILLARIOPHYCEAE)1. <i>Journal of Phycology</i> , 2005 , 41, 840-850 | 3 | 76 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | The sensitivity of <i>Emiliana huxleyi</i> (Prymnesiophyceae) to ultraviolet-b radiation. <i>Journal of Phycology</i> , 2001 , 36, 296-303 | 3 | 53 |
| 3 | 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 |
| 2 | DNA DAMAGE AND PHOTOSYNTHETIC PERFORMANCE IN THE ANTARCTIC TERRESTRIAL ALGA <i>PRASIOLA CRISPA</i> SSP. <i>ANTARCTICA</i> (CHLOROPHYTA) UNDER MANIPULATED UV-B RADIATION. <i>Journal of Phycology</i> , 2001 , 37, 459-467 | 3 | 46 |
| 1 | LOCATION AND EXPRESSION OF FRUSTULINS IN THE PENNATE DIATOMS <i>CYLINDROTHECA FUSIFORMIS</i> , <i>NAVICULA PELLICULOSA</i> , AND <i>NAVICULA SALINARUM</i> (BACILLARIOPHYCEAE). <i>Journal of Phycology</i> , 1999 , 35, 1044-1053 | 3 | 53 |