

# Hendrik Jan van der Woerd

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

1,838  
citations

236925

25  
h-index

302126

39  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1956  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational modes of water predict spectral niches for photosynthesis in lakes and oceans. <i>Nature Ecology and Evolution</i> , 2021, 5, 55-66.	7.8	35
2	Global maps of Forel-Ule index, hue angle and Secchi disk depth derived from 21 years of monthly ESA Ocean Colour Climate Change Initiative data. <i>Earth System Science Data</i> , 2021, 13, 481-490.	9.9	19
3	HYDROPT: An Open-Source Framework for Fast Inverse Modelling of Multi- and Hyperspectral Observations from Oceans, Coastal and Inland Waters. <i>Remote Sensing</i> , 2021, 13, 3006.	4.0	0
4	An Evaluation of Citizen Science Smartphone Apps for Inland Water Quality Assessment. <i>Remote Sensing</i> , 2020, 12, 1578.	4.0	28
5	Citclops: A next-generation sensor system for the monitoring of natural waters and a citizens' observatory for the assessment of ecosystems' status. <i>PLoS ONE</i> , 2020, 15, e0230084.	2.5	19
6	Title is missing!. , 2020, 15, e0230084.		0
7	Title is missing!. , 2020, 15, e0230084.		0
8	Title is missing!. , 2020, 15, e0230084.		0
9	Title is missing!. , 2020, 15, e0230084.		0
10	Optical properties of Forel-Ule water types deduced from 15 years of global satellite ocean color observations. <i>Remote Sensing of Environment</i> , 2019, 231, 111249.	11.0	57
11	Colour Classification of 1486 Lakes across a Wide Range of Optical Water Types. <i>Remote Sensing</i> , 2018, 10, 1273.	4.0	44
12	Joint assimilation of soil moisture retrieved from multiple passive microwave frequencies increases robustness of soil moisture state estimation. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4605-4619.	4.9	10
13	Hue-Angle Product for Low to Medium Spatial Resolution Optical Satellite Sensors. <i>Remote Sensing</i> , 2018, 10, 180.	4.0	72
14	SmartFluo: A Method and Affordable Adapter to Measure Chlorophyll a Fluorescence with Smartphones. <i>Sensors</i> , 2017, 17, 678.	3.8	38
15	Citizen Bio-Optical Observations from Coast- and Ocean and Their Compatibility with Ocean Colour Satellite Measurements. <i>Remote Sensing</i> , 2016, 8, 879.	4.0	41
16	Vertical Mixing Derived from Surface Chlorophyll-a Concentrations of the North Atlantic Ocean. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 2165-2183.	1.3	0
17	Citizens and satellites: Assessment of phytoplankton dynamics in a NW Mediterranean aquaculture zone. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 47, 40-49.	2.8	29
18	Public willingness to pay for alternative management regimes of remote marine protected areas in the North Sea. <i>Marine Policy</i> , 2016, 68, 195-204.	3.2	38

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19	WACODI: A generic algorithm to derive the intrinsic color of natural waters from digital images. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 697-711.	2.0	29
20	Phytoplankton community structure in relation to vertical stratification along a north-south gradient in the northeast Atlantic Ocean. <i>Limnology and Oceanography</i> , 2015, 60, 1498-1521.	3.1	51
21	Disparities between in situ and optically derived carbon biomass and growth rates of the prymnesiophyte &lt;i>Phaeocystis globosa</i>. <i>Biogeosciences</i> , 2015, 12, 1659-1670.	3.3	5
22	True Colour Classification of Natural Waters with Medium-Spectral Resolution Satellites: SeaWiFS, MODIS, MERIS and OLCI. <i>Sensors</i> , 2015, 15, 25663-25680.	3.8	81
23	Sensitivity of phytoplankton distributions to vertical mixing along a North Atlantic transect. <i>Ocean Science</i> , 2014, 10, 993-1011.	3.4	9
24	Satellite discrimination of <i>Karenia mikimotoi</i> and <i>Phaeocystis</i> harmful algal blooms in European coastal waters: Merged classification of ocean colour data. <i>Harmful Algae</i> , 2014, 31, 163-176.	4.8	63
25	Diurnal variation of turbulence-related quantities in Lake Garda. <i>Advances in Oceanography and Limnology</i> , 2014, 5, 184.	0.6	1
26	Four decades of variability in turbidity in the western Wadden Sea as derived from corrected Secchi disk readings. <i>Journal of Sea Research</i> , 2013, 82, 67-79.	1.6	30
27	MERIS-based ocean colour classification with the discrete Forel-Ule scale. <i>Ocean Science</i> , 2013, 9, 477-487.	3.4	63
28	Phytoplankton chlorophyll &lt;i>a</i> biomass, composition, and productivity along a temperature and stratification gradient in the northeast Atlantic Ocean. <i>Biogeosciences</i> , 2013, 10, 4227-4240.	3.3	54
29	Trends in Ocean Colour and Chlorophyll Concentration from 1889 to 2000, Worldwide. <i>PLoS ONE</i> , 2013, 8, e63766.	2.5	91
30	Variability in specific-absorption properties and their use in a semi-analytical ocean colour algorithm for MERIS in North Sea and Western English Channel Coastal Waters. <i>Remote Sensing of Environment</i> , 2012, 118, 320-338.	11.0	75
31	Technical Note: Calibration and validation of geophysical observation models. <i>Biogeosciences</i> , 2012, 9, 2195-2201.	3.3	12
32	Microstructure measurements along a quasi-meridional transect in the northeastern Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
33	Microstructure observations during the spring 2011 STRATIPHYT-II cruise in the northeast Atlantic. <i>Ocean Science</i> , 2012, 8, 945-957.	3.4	9
34	Analysis of the spatial evolution of the 2003 algal bloom in the Voordelta (North Sea). <i>Journal of Sea Research</i> , 2011, 65, 195-204.	1.6	14
35	A mesocosm tool to optically study phytoplankton dynamics. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 232-244.	2.0	7
36	Spectra of a shallow sea unmixing for class identification and monitoring of coastal waters. <i>Ocean Dynamics</i> , 2011, 61, 463-480.	2.2	11

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37	Improving the description of the suspended particulate matter concentrations in the southern North Sea through assimilating remotely sensed data. <i>Ocean Science Journal</i> , 2011, 46, 179-204.	1.3	21
38	Chi-square spectral fitting for concentration retrieval, automatic local calibration, quality control, and water type detection. <i>Canadian Journal of Remote Sensing</i> , 2010, 36, 650-670.	2.4	2
39	Medium resolution imaging spectrometer data for monitoring tropical coastal waters: a case study of Berau estuary, East Kalimantan, Indonesia. <i>Geocarto International</i> , 2010, 25, 525-541.	3.5	7
40	Modeling Remote-Sensing Reflectance and Retrieving Chlorophyll-a Concentration in Extremely Turbid Case-2 Waters (Lake Taihu, China). <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 1937-1948.	6.3	67
41	Assessing the value of information for water quality management in the North Sea. <i>Journal of Environmental Management</i> , 2009, 90, 1280-1288.	7.8	45
42	In situ and remote-sensed chlorophyll fluorescence as indicator of the physiological state of phytoplankton near the Isles Kerguelen (Southern Ocean). <i>Polar Biology</i> , 2008, 31, 617-628.	1.2	14
43	HYDROPT: A fast and flexible method to retrieve chlorophyll-a from multispectral satellite observations of optically complex coastal waters. <i>Remote Sensing of Environment</i> , 2008, 112, 1795-1807.	11.0	81
44	Remotely sensed seasonality in the spatial distribution of sea-surface suspended particulate matter in the southern North Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 80, 103-113.	2.1	72
45	Mapping of the North Sea turbid coastal waters using SeaWiFS data. <i>Canadian Journal of Remote Sensing</i> , 2004, 30, 44-53.	2.4	20
46	Overview of IMAGE 2.0: An integrated model of climate change and the global environment. <i>Studies in Environmental Science</i> , 1995, 65, 1395-1399.	0.0	2
47	Modeling the global society-biosphere-climate system: Part 2: Computed scenarios. <i>Water, Air, and Soil Pollution</i> , 1994, 76, 37-78.	2.4	42
48	Atmospheric composition calculations for evaluation of climate scenarios. <i>Water, Air, and Soil Pollution</i> , 1994, 76, 259-281.	2.4	16
49	On the X-ray emitting boundary layer of the dwarf nova VW Hydrī. <i>Astrophysical Journal</i> , 1991, 372, 659.	4.5	21
50	The complex 0.4-12 keV X-ray spectrum of Cygnus X-1. <i>Astrophysical Journal</i> , 1990, 352, L41.	4.5	10
51	X-ray spectroscopy of the ultrasoft transient 4U 1543 - 47. <i>Astrophysical Journal</i> , 1989, 344, 320.	4.5	26
52	Accretion disc boundary layers with white dwarfs. <i>Advances in Space Research</i> , 1988, 8, 265-272.	2.6	5
53	The 1985 May superoutburst of the dwarf nova OY Carinae â€“ II. IUE and EXOSAT observationsâ†. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 231, 237-255.	4.4	42
54	Observations of the late superhump in VW Hydrī. <i>Astrophysical Journal</i> , 1988, 330, 911.	4.5	22

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55	Multiwavelength monitoring of the dwarf nova VW Hydri â€“ I. Overview. Monthly Notices of the Royal Astronomical Society, 1987, 225, 73-92.	4.4	28
56	Multiwavelength monitoring of the dwarf nova VW Hydri â€“ V. EXOSAT observations. Monthly Notices of the Royal Astronomical Society, 1987, 225, 141-153.	4.4	21
57	Recurrence behavior of outbursts in VW Hyi. Monthly Notices of the Royal Astronomical Society, 1987, 224, 271-281.	4.4	12
58	Recurrence behaviour of outbursts in VW Hyi. Astrophysics and Space Science, 1987, 130, 135-142.	1.4	2
59	X-ray emission from non-magnetic cataclysmic variables. Astrophysics and Space Science, 1987, 130, 225-233.	1.4	5
60	New exosat observations of TV Columbae: Preliminary results. Astrophysics and Space Science, 1987, 130, 261-274.	1.4	8
61	2A0526-328: The white dwarf rotation period revealed. Space Science Reviews, 1985, 40, 121-126.	8.1	17
62	The decay of dwarf nova outbursts. Space Science Reviews, 1985, 40, 163-166.	8.1	2
63	Spectral analysis of the Forel-Ule ocean colour comparator scale. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	60
64	Ocean colour changes in the North Pacific since 1930. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	13
65	Assessment of the scattering by sub-micron particles in inland waters. Journal of the European Optical Society-Rapid Publications, 0, 6, .	1.9	7
66	The Forel-Ule scale revisited spectrally: preparation protocol, transmission measurements and chromaticity. Journal of the European Optical Society-Rapid Publications, 0, 8, .	1.9	53
67	The modern Forel-Ule scale: a 'do-it-yourself' colour comparator for water monitoring. Journal of the European Optical Society-Rapid Publications, 0, 9, .	1.9	25
68	The Color of Water from Space: A Case Study for Italian Lakes from Sentinel-2. , 0, , .		12