

Hendrik Jan van der Woerd

List of Publications by Year in descending order

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68
papers

1,838
citations

236925

25
h-index

302126

39
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73
all docs

73
docs citations

73
times ranked

1956
citing authors

#	ARTICLE	IF	CITATIONS
1	Trends in Ocean Colour and Chlorophyll Concentration from 1889 to 2000, Worldwide. PLoS ONE, 2013, 8, e63766.	2.5	91
2	HYDROPT: A fast and flexible method to retrieve chlorophyll-a from multispectral satellite observations of optically complex coastal waters. Remote Sensing of Environment, 2008, 112, 1795-1807.	11.0	81
3	True Colour Classification of Natural Waters with Medium-Spectral Resolution Satellites: SeaWiFS, MODIS, MERIS and OLCI. Sensors, 2015, 15, 25663-25680.	3.8	81
4	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. Remote Sensing of Environment, 2012, 118, 320-338.	11.0	75
5	Remotely sensed seasonality in the spatial distribution of sea-surface suspended particulate matter in the southern North Sea. Estuarine, Coastal and Shelf Science, 2008, 80, 103-113.	2.1	72
6	Hue-Angle Product for Low to Medium Spatial Resolution Optical Satellite Sensors. Remote Sensing, 2018, 10, 180.	4.0	72
7	Modeling Remote-Sensing Reflectance and Retrieving Chlorophyll-a Concentration in Extremely Turbid Case-2 Waters (Lake Taihu, China). IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1937-1948.	6.3	67
8	MERIS-based ocean colour classification with the discrete Forel-Ule scale. Ocean Science, 2013, 9, 477-487.	3.4	63
9	Satellite discrimination of <i>Karenia mikimotoi</i> and <i>Phaeocystis</i> harmful algal blooms in European coastal waters: Merged classification of ocean colour data. Harmful Algae, 2014, 31, 163-176.	4.8	63
10	Spectral analysis of the Forel-Ule ocean colour comparator scale. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	60
11	Optical properties of Forel-Ule water types deduced from 15 years of global satellite ocean color observations. Remote Sensing of Environment, 2019, 231, 111249.	11.0	57
12	Phytoplankton chlorophyll & biomass, composition, and productivity along a temperature and stratification gradient in the northeast Atlantic Ocean. Biogeosciences, 2013, 10, 4227-4240.	3.3	54
13	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
14	Phytoplankton community structure in relation to vertical stratification along a north-south gradient in the North Atlantic Ocean. Limnology and Oceanography, 2015, 60, 1498-1521.	3.1	51
15	Assessing the value of information for water quality management in the North Sea. Journal of Environmental Management, 2009, 90, 1280-1288.	7.8	45
16	Colour Classification of 1486 Lakes across a Wide Range of Optical Water Types. Remote Sensing, 2018, 10, 1273.	4.0	44
17	The 1985 May superoutburst of the dwarf nova OY Carinae II. IUE and EXOSAT observations. Monthly Notices of the Royal Astronomical Society, 1988, 231, 237-255.	4.4	42
18	Modeling the global society-biosphere-climate system: Part 2: Computed scenarios. Water, Air, and Soil Pollution, 1994, 76, 37-78.	2.4	42

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	SmartFluo: A Method and Affordable Adapter to Measure Chlorophyll a Fluorescence with Smartphones. <i>Sensors</i> , 2017, 17, 678.	3.8	38
22	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
23	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
24	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
25	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
26	Multiwavelength monitoring of the dwarf nova VW Hydri â€œ I. Overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 1987, 225, 73-92.	4.4	28
27	An Evaluation of Citizen Science Smartphone Apps for Inland Water Quality Assessment. <i>Remote Sensing</i> , 2020, 12, 1578.	4.0	28
28	X-ray spectroscopy of the ultrasoft transient 4U 1543 - 47. <i>Astrophysical Journal</i> , 1989, 344, 320.	4.5	26
29	The modern Forel-Ule scale: a 'do-it-yourself' colour comparator for water monitoring. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 9, .	1.9	25
30	Observations of the late superhump in VW Hydri. <i>Astrophysical Journal</i> , 1988, 330, 911.	4.5	22
31	Multiwavelength monitoring of the dwarf nova VW Hydri â€œ V. EXOSAT observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 1987, 225, 141-153.	4.4	21
32	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
33	On the X-ray emitting boundary layer of the dwarf nova VW Hydri. <i>Astrophysical Journal</i> , 1991, 372, 659.	4.5	21
34	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
35	Microstructure measurements along a quasi-meridional transect in the northeastern Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
36	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

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37	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
38	2A0526-328: The white dwarf rotation period revealed. <i>Space Science Reviews</i> , 1985, 40, 121-126.	8.1	17
39	Atmospheric composition calculations for evaluation of climate scenarios. <i>Water, Air, and Soil Pollution</i> , 1994, 76, 259-281.	2.4	16
40	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
41	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
42	Ocean colour changes in the North Pacific since 1930. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 5, .	1.9	13
43	Recurrence behavior of outbursts in VW Hyi. <i>Monthly Notices of the Royal Astronomical Society</i> , 1987, 224, 271-281.	4.4	12
44	Technical Note: Calibration and validation of geophysical observation models. <i>Biogeosciences</i> , 2012, 9, 2195-2201.	3.3	12
45	The Color of Water from Space: A Case Study for Italian Lakes from Sentinel-2. , 0, , .		12
46	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
47	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
48	The complex 0.4-12 keV X-ray spectrum of Cygnus X-1. <i>Astrophysical Journal</i> , 1990, 352, L41.	4.5	10
49	Microstructure observations during the spring 2011 STRATIPHYT-II cruise in the northeast Atlantic. <i>Ocean Science</i> , 2012, 8, 945-957.	3.4	9
50	Sensitivity of phytoplankton distributions to vertical mixing along a North Atlantic transect. <i>Ocean Science</i> , 2014, 10, 993-1011.	3.4	9
51	New exosat observations of TV Columbae: Preliminary results. <i>Astrophysics and Space Science</i> , 1987, 130, 261-274.	1.4	8
52	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
53	Assessment of the scattering by sub-micron particles in inland waters. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 6, .	1.9	7
54	A mesocosm tool to optically study phytoplankton dynamics. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 232-244.	2.0	7

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55	X-ray emission from non-magnetic cataclysmic variables. <i>Astrophysics and Space Science</i> , 1987, 130, 225-233.	1.4	5
56	Accretion disc boundary layers with white dwarfs. <i>Advances in Space Research</i> , 1988, 8, 265-272.	2.6	5
57	Disparities between in situ and optically derived carbon biomass and growth rates of the prymnesiophyte <i>>Phaeocystis globosa</i>. <i>Biogeosciences</i> , 2015, 12, 1659-1670.	3.3	5
58	The decay of dwarf nova outbursts. <i>Space Science Reviews</i> , 1985, 40, 163-166.	8.1	2
59	Recurrence behaviour of outbursts in VW Hyi. <i>Astrophysics and Space Science</i> , 1987, 130, 135-142.	1.4	2
60	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
61	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
62	Diurnal variation of turbulence-related quantities in Lake Garda. <i>Advances in Oceanography and Limnology</i> , 2014, 5, 184.	0.6	1
63	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
64	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
65	Title is missing!. , 2020, 15, e0230084.		0
66	Title is missing!. , 2020, 15, e0230084.		0
67	Title is missing!. , 2020, 15, e0230084.		0
68	Title is missing!. , 2020, 15, e0230084.		0