

Tristan Harmel

List of Publications by Year in descending order

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42
papers

1,077
citations

361296

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414303

32
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43
all docs

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docs citations

43
times ranked

943
citing authors

#	ARTICLE	IF	CITATIONS
1	ACIX-Aqua: A global assessment of atmospheric correction methods for Landsat-8 and Sentinel-2 over lakes, rivers, and coastal waters. <i>Remote Sensing of Environment</i> , 2021, 258, 112366.	4.6	137
2	Sunglint correction of the Multi-Spectral Instrument (MSI)-SENTINEL-2 imagery over inland and sea waters from SWIR bands. <i>Remote Sensing of Environment</i> , 2018, 204, 308-321.	4.6	102
3	Evaluation of the VIIRS ocean color monitoring performance in coastal regions. <i>Remote Sensing of Environment</i> , 2013, 139, 398-414.	4.6	78
4	OSOAA: a vector radiative transfer model of coupled atmosphere-ocean system for a rough sea surface application to the estimates of the directional variations of the water leaving reflectance to better process multi-angular satellite sensors data over the ocean. <i>Optics Express</i> , 2015, 23, 27829.	1.7	65
5	Laboratory experiments for inter-comparison of three volume scattering meters to measure angular scattering properties of hydrosols. <i>Optics Express</i> , 2016, 24, A234.	1.7	47
6	Polarization impacts on the water-leaving radiance retrieval from above-water radiometric measurements. <i>Applied Optics</i> , 2012, 51, 8324.	0.9	43
7	The relationship between upwelling underwater polarization and attenuation/absorption ratio. <i>Optics Express</i> , 2012, 20, 25662.	1.7	42
8	Estimating particle composition and size distribution from polarized water-leaving radiance. <i>Applied Optics</i> , 2011, 50, 5047.	2.1	41
9	POLVSM (Polarized Volume Scattering Meter) instrument: an innovative device to measure the directional and polarized scattering properties of hydrosols. <i>Optics Express</i> , 2014, 22, 26403.	1.7	38
10	Influence of polarimetric satellite data measured in the visible region on aerosol detection and on the performance of atmospheric correction procedure over open ocean waters. <i>Optics Express</i> , 2011, 19, 20960.	1.7	37
11	Atmospheric and sunglint correction for retrieving chlorophyll-a in a productive tropical estuarine-lagoon system using Sentinel-2 MSI imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 174, 215-236.	4.9	37
12	Long Island Sound Coastal Observatory: Assessment of above-water radiometric measurement uncertainties using collocated multi and hyperspectral systems. <i>Applied Optics</i> , 2011, 50, 5842.	2.1	34
13	Estimation of the sunglint radiance field from optical satellite imagery over open ocean: Multidirectional approach and polarization aspects. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 76-90.	1.0	32
14	Using 3D modeling and remote sensing capabilities for a better understanding of spatio-temporal heterogeneities of phytoplankton abundance in large lakes. <i>Journal of Great Lakes Research</i> , 2018, 44, 756-764.	0.8	31
15	Invariance of polarized reflectance measured at the top of atmosphere by PARASOL satellite instrument in the visible range with marine constituents in open ocean waters. <i>Optics Express</i> , 2008, 16, 6064.	1.7	30
16	Assessment of a bidirectional reflectance distribution correction of above-water and satellite water-leaving radiance in coastal waters. <i>Applied Optics</i> , 2012, 51, 220.	0.9	28
17	Variability of the reflectance coefficient of skylight from the ocean surface and its implications to ocean color. <i>Optics Express</i> , 2018, 26, 9615.	1.7	28
18	Concentration, anisotropic and apparent colour effects on optical reflectance properties of virgin and ocean-harvested plastics. <i>Journal of Hazardous Materials</i> , 2021, 406, 124290.	6.5	25

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19	Spatiotemporal Dynamics of Suspended Sediments in the Negro River, Amazon Basin, from In Situ and Sentinel-2 Remote Sensing Data. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 86.	1.4	25
20	Determination of sea surface wind speed using the polarimetric and multidirectional properties of satellite measurements in visible bands. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	24
21	Hyperspectral polarimetric imaging of the water surface and retrieval of water optical parameters from multi-angular polarimetric data. <i>Applied Optics</i> , 2020, 59, C8.	0.9	18
22	Harnessing remote sensing to address critical science questions on ocean-atmosphere interactions. <i>Elementa</i> , 2018, 6, .	1.1	18
23	Measuring underwater polarization field from above-water hyperspectral instrumentation for water composition retrieval. <i>Proceedings of SPIE</i> , 2011, , .	0.8	11
24	Long Island Sound Coastal Observatory: assessment of above-water radiometric measurement uncertainties using collocated multi and hyper-spectral systems: reply to comment. <i>Applied Optics</i> , 2012, 51, 3893.	0.9	11
25	Contribution of 3D coupled hydrodynamic-ecological modeling to assess the representativeness of a sampling protocol for lake water quality assessment. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2019, , 42.	0.5	10
26	Top-of-atmosphere hyper and multispectral signatures of submerged plastic litter with changing water clarity and depth. <i>Optics Express</i> , 2022, 30, 16553.	1.7	10
27	Sensitivity of the above water polarized reflectance to the water composition. , 2010, , .		9
28	Validation of ocean color satellite sensors using coastal observational platform in Long Island Sound. <i>Proceedings of SPIE</i> , 2010, , .	0.8	9
29	Estimation of daily photosynthetically active radiation (PAR) in presence of low to high aerosol loads: application to OLCI-like satellite data. <i>Optics Express</i> , 2016, 24, A1390.	1.7	9
30	Evaluation of atmospheric correction procedures for ocean color data processing using hyper- and multi-spectral radiometric measurements from the Long Island Sound Coastal Observatory. <i>Proceedings of SPIE</i> , 2012, , .	0.8	6
31	Two-term Reynoldsâ€™McCormick phase function parameterization better describes light scattering by microalgae and mineral hydrosols. <i>Optics Letters</i> , 2021, 46, 1860.	1.7	6
32	Exploring the relation between polarized light fields and physical-optical characteristics of the ocean for remote sensing applications. <i>Proceedings of SPIE</i> , 2011, , .	0.8	4
33	Suspended sediment transport estimation in Negro River (Amazon Basin) using MSI/Sentinel-2 data. <i>Revista Brasileira De Geomorfologia</i> , 2022, 23, .	0.1	4
34	Hyperspectral and multispectral above-water radiometric measurements to monitor satellite data quality over coastal area. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3
35	Estimation of the attenuation coefficient of the water body using polarimetric observations. , 2011, , .		3
36	Bidirectional reflectance function in coastal waters: modeling and validation. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3

#	ARTICLE	IF	CITATIONS
37	Polarization techniques for the retrieval of water parameters from above and below water polarimetric observations. , 2012, , .		3
38	Remote Sensing and Ocean Color. , 2016, , 141-183.		3
39	Evaluation Of Sentinel-2/Msi Imagery Products Level-2a Obtained By Three Different Atmospheric Corrections For Monitoring Suspended Sediments Concentration In Madeira River, Brazil. , 2020, , .		3
40	Total and polarized radiance from the ocean surface from hyperspectral polarimetric imaging. , 2019, , .		3
41	Uncertainties assessment and satellite validation over 2 years time series of multispectral and hyperspectral measurements in coastal waters at Long Island Sound Coastal Observatory. Proceedings of SPIE, 2011, , .	0.8	1
42	Exploiting satellite image time series for monitoring ecological quality parameters of french reservoirs. , 2015, , .		0