

Tristan Harmel

List of Publications by Year in descending order

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papers

1,077
citations

361296

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all docs

43
docs citations

43
times ranked

943
citing authors

#	ARTICLE	IF	CITATIONS
1	Suspended sediment transport estimation in Negro River (Amazon Basin) using MSI/Sentinel-2 data. Revista Brasileira De Geomorfologia, 2022, 23, .	0.1	4
2	Top-of-atmosphere hyper and multispectral signatures of submerged plastic litter with changing water clarity and depth. Optics Express, 2022, 30, 16553.	1.7	10
3	Concentration, anisotropic and apparent colour effects on optical reflectance properties of virgin and ocean-harvested plastics. Journal of Hazardous Materials, 2021, 406, 124290.	6.5	25
4	Spatiotemporal Dynamics of Suspended Sediments in the Negro River, Amazon Basin, from In Situ and Sentinel-2 Remote Sensing Data. ISPRS International Journal of Geo-Information, 2021, 10, 86.	1.4	25
5	Atmospheric and sunglint correction for retrieving chlorophyll-a in a productive tropical estuarine-lagoon system using Sentinel-2 MSI imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 174, 215-236.	4.9	37
6	Two-term Reynoldsâ€™McCormick phase function parameterization better describes light scattering by microalgae and mineral hydrosols. Optics Letters, 2021, 46, 1860.	1.7	6
7	ACIX-Aqua: A global assessment of atmospheric correction methods for Landsat-8 and Sentinel-2 over lakes, rivers, and coastal waters. Remote Sensing of Environment, 2021, 258, 112366.	4.6	137
8	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
9	Hyperspectral polarimetric imaging of the water surface and retrieval of water optical parameters from multi-angular polarimetric data. Applied Optics, 2020, 59, C8.	0.9	18
10	Contribution of 3D coupled hydrodynamic-ecological modeling to assess the representativeness of a sampling protocol for lake water quality assessment. Knowledge and Management of Aquatic Ecosystems, 2019, , 42.	0.5	10
11	Total and polarized radiance from the ocean surface from hyperspectral polarimetric imaging. , 2019, , .		3
12	Sunglint correction of the Multi-Spectral Instrument (MSI)-SENTINEL-2 imagery over inland and sea waters from SWIR bands. Remote Sensing of Environment, 2018, 204, 308-321.	4.6	102
13	Using 3D modeling and remote sensing capabilities for a better understanding of spatio-temporal heterogeneities of phytoplankton abundance in large lakes. Journal of Great Lakes Research, 2018, 44, 756-764.	0.8	31
14	Variability of the reflectance coefficient of skylight from the ocean surface and its implications to ocean color. Optics Express, 2018, 26, 9615.	1.7	28
15	Harnessing remote sensing to address critical science questions on ocean-atmosphere interactions. Elementa, 2018, 6, .	1.1	18
16	Remote Sensing and Ocean Color. , 2016, , 141-183.		3
17	Laboratory experiments for inter-comparison of three volume scattering meters to measure angular scattering properties of hydrosols. Optics Express, 2016, 24, A234.	1.7	47
18	Estimation of daily photosynthetically active radiation (PAR) in presence of low to high aerosol loads: application to OLCI-like satellite data. Optics Express, 2016, 24, A1390.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Exploiting satellite image time series for monitoring ecological quality parameters of french reservoirs. , 2015, , .		0
20	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. Optics Express, 2015, 23, 27829.	1.7	65
21	POLVSM (Polarized Volume Scattering Meter) instrument: an innovative device to measure the directional and polarized scattering properties of hydrosols. Optics Express, 2014, 22, 26403.	1.7	38
22	Evaluation of the VIIRS ocean color monitoring performance in coastal regions. Remote Sensing of Environment, 2013, 139, 398-414.	4.6	78
23	Estimation of the sunglint radiance field from optical satellite imagery over open ocean: Multidirectional approach and polarization aspects. Journal of Geophysical Research: Oceans, 2013, 118, 76-90.	1.0	32
24	The relationship between upwelling underwater polarization and attenuation/absorption ratio. Optics Express, 2012, 20, 25662.	1.7	42
25	Long Island Sound Coastal Observatory: assessment of above-water radiometric measurement uncertainties using collocated multi and hyper-spectral systems: reply to comment. Applied Optics, 2012, 51, 3893.	0.9	11
26	Polarization impacts on the water-leaving radiance retrieval from above-water radiometric measurements. Applied Optics, 2012, 51, 8324.	0.9	43
27	Assessment of a bidirectional reflectance distribution correction of above-water and satellite water-leaving radiance in coastal waters. Applied Optics, 2012, 51, 220.	0.9	28
28	Determination of sea surface wind speed using the polarimetric and multidirectional properties of satellite measurements in visible bands. Geophysical Research Letters, 2012, 39, .	1.5	24
29	Evaluation of atmospheric correction procedures for ocean color data processing using hyper- and multi-spectral radiometric measurements from the Long Island Sound Coastal Observatory. Proceedings of SPIE, 2012, , .	0.8	6
30	Polarization techniques for the retrieval of water parameters from above and below water polarimetric observations. , 2012, , .		3
31	Estimating particle composition and size distribution from polarized water-leaving radiance. Applied Optics, 2011, 50, 5047.	2.1	41
32	Long Island Sound Coastal Observatory: Assessment of above-water radiometric measurement uncertainties using collocated multi and hyperspectral systems. Applied Optics, 2011, 50, 5842.	2.1	34
33	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. Optics Express, 2011, 19, 20960.	1.7	37
34	Hyperspectral and multispectral above-water radiometric measurements to monitor satellite data quality over coastal area. Proceedings of SPIE, 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. Proceedings of SPIE, 2011, , .	0.8	3

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37	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
38	Measuring underwater polarization field from above-water hyperspectral instrumentation for water composition retrieval. Proceedings of SPIE, 2011, , .	0.8	11
39	Exploring the relation between polarized light fields and physical-optical characteristics of the ocean for remote sensing applications. Proceedings of SPIE, 2011, , .	0.8	4
40	Sensitivity of the above water polarized reflectance to the water composition. , 2010, , .		9
41	Validation of ocean color satellite sensors using coastal observational platform in Long Island Sound. Proceedings of SPIE, 2010, , .	0.8	9
42	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. Optics Express, 2008, 16, 6064.	1.7	30