Krista Alikas

List of Publications by Year in descending order

26 papers	1,565 citations	471509 17 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	1432 citing authors

#	Article	IF	Citations
1	Simultaneous retrieval of selected optical water quality indicators from Landsat-8, Sentinel-2, and Sentinel-3. Remote Sensing of Environment, 2022, 270, 112860.	11.0	73
2	A Chlorophyll-a Algorithm for Landsat-8 Based on Mixture Density Networks. Frontiers in Remote Sensing, 2021, 1, .	3.5	48
3	Synergy between Satellite Altimetry and Optical Water Quality Data towards Improved Estimation of Lakes Ecological Status. Remote Sensing, 2021, 13, 770.	4.0	5
4	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.	11.0	137
5	Remotely estimating total suspended solids concentration in clear to extremely turbid waters using a novel semi-analytical method. Remote Sensing of Environment, 2021, 258, 112386.	11.0	47
6	Detecting Climate Driven Changes in Chlorophyll-a Using High Frequency Monitoring: The Impact of the 2019 European Heatwave in Three Contrasting Aquatic Systems. Sensors, 2021, 21, 6242.	3.8	9
7	Fiducial Reference Measurements for Satellite Ocean Colour (FRM4SOC). Remote Sensing, 2020, 12, 1322.	4.0	15
8	Robust algorithm for estimating total suspended solids (TSS) in inland and nearshore coastal waters. Remote Sensing of Environment, 2020, 246, 111768.	11.0	122
9	Comparison of Above-Water Seabird and TriOS Radiometers along an Atlantic Meridional Transect. Remote Sensing, 2020, 12, 1669.	4.0	10
10	Consistency of Radiometric Satellite Data over Lakes and Coastal Waters with Local Field Measurements. Remote Sensing, 2020, 12, 616.	4.0	24
11	Seamless retrievals of chlorophyll-a from Sentinel-2 (MSI) and Sentinel-3 (OLCI) in inland and coastal waters: A machine-learning approach. Remote Sensing of Environment, 2020, 240, 111604.	11.0	247
12	Laboratory Intercomparison of Radiometers Used for Satellite Validation in the 400â€“900 nm Range. Remote Sensing, 2019, 11, 1101.	4.0	15
13	Field Intercomparison of Radiometers Used for Satellite Validation in the 400â€“900 nm Range. Remote Sensing, 2019, 11, 1129.	4.0	22
14	Assessment of atmospheric correction algorithms for the Sentinel-2A MultiSpectral Imager over coastal and inland waters. Remote Sensing of Environment, 2019, 225, 267-289.	11.0	204
15	Retrieval of Chlorophyll a from Sentinel-2 MSI Data for the European Union Water Framework Directive Reporting Purposes. Remote Sensing, 2019, 11, 64.	4.0	147
16	Improved retrieval of Secchi depth for optically-complex waters using remote sensing data. Ecological Indicators, 2017, 77, 218-227.	6.3	73
17	Multitemporal Remote Sensing of Coastal Waters. Remote Sensing and Digital Image Processing, 2016, , 391-426.	0.7	2
18	Robust remote sensing algorithms to derive the diffuse attenuation coefficient for lakes and coastal waters. Limnology and Oceanography: Methods, 2015, 13, 402-415.	2.0	32

#	Article	IF	Citations
19	Satellite-based products for monitoring optically complex inland waters in support of EU Water Framework Directive. International Journal of Remote Sensing, 2015, 36, 4446-4468.	2.9	18
20	Impact of iron associated to organic matter on remote sensing estimates of lake carbon content. Remote Sensing of Environment, 2015, 156, 109-116.	11.0	17
21	Retrieving vegetation clumping index from Multi-angle Imaging SpectroRadiometer (MISR) data at 275m resolution. Remote Sensing of Environment, 2013, 138, 126-133.	11.0	46
22	Estimating leaf inclination and G-function from leveled digital camera photography in broadleaf canopies. Trees - Structure and Function, 2011, 25, 919-924.	1.9	89
23	Expanding global mapping of the foliage clumping index with multi-angular POLDER three measurements: Evaluation and topographic compensation. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 341-346.	11.1	64
24	Impacts of including forest understory brightness and foliage clumping information from multiangular measurements on leaf area index mapping over North America. Journal of Geophysical Research, 2010, 115, .	3.3	22
25	Detecting cyanobacterial blooms in large North European lakes using the Maximum Chlorophyll Index. Oceanologia, 2010, 52, 237-257.	2.2	46
26	Validation of the MERIS products on large European lakes: Peipsi, VÃnern and VÃttern. Hydrobiologia, 2008, 599, 161-168.	2.0	31