

# Krista Alikas

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Seamless retrievals of chlorophyll-a from Sentinel-2 (MSI) and Sentinel-3 (OLCI) in inland and coastal waters: A machine-learning approach. <i>Remote Sensing of Environment</i> , 2020, 240, 111604.	11.0	247
2	Assessment of atmospheric correction algorithms for the Sentinel-2A MultiSpectral Imager over coastal and inland waters. <i>Remote Sensing of Environment</i> , 2019, 225, 267-289.	11.0	204
3	Retrieval of Chlorophyll a from Sentinel-2 MSI Data for the European Union Water Framework Directive Reporting Purposes. <i>Remote Sensing</i> , 2019, 11, 64.	4.0	147
4	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.	11.0	137
5	Robust algorithm for estimating total suspended solids (TSS) in inland and nearshore coastal waters. <i>Remote Sensing of Environment</i> , 2020, 246, 111768.	11.0	122
6	Estimating leaf inclination and G-function from leveled digital camera photography in broadleaf canopies. <i>Trees - Structure and Function</i> , 2011, 25, 919-924.	1.9	89
7	Improved retrieval of Secchi depth for optically-complex waters using remote sensing data. <i>Ecological Indicators</i> , 2017, 77, 218-227.	6.3	73
8	Simultaneous retrieval of selected optical water quality indicators from Landsat-8, Sentinel-2, and Sentinel-3. <i>Remote Sensing of Environment</i> , 2022, 270, 112860.	11.0	73
9	Expanding global mapping of the foliage clumping index with multi-angular POLDER three measurements: Evaluation and topographic compensation. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2010, 65, 341-346.	11.1	64
10	A Chlorophyll-a Algorithm for Landsat-8 Based on Mixture Density Networks. <i>Frontiers in Remote Sensing</i> , 2021, 1, .	3.5	48
11	Remotely estimating total suspended solids concentration in clear to extremely turbid waters using a novel semi-analytical method. <i>Remote Sensing of Environment</i> , 2021, 258, 112386.	11.0	47
12	Retrieving vegetation clumping index from Multi-angle Imaging SpectroRadiometer (MISR) data at 275m resolution. <i>Remote Sensing of Environment</i> , 2013, 138, 126-133.	11.0	46
13	Detecting cyanobacterial blooms in large North European lakes using the Maximum Chlorophyll Index. <i>Oceanologia</i> , 2010, 52, 237-257.	2.2	46
14	Robust remote sensing algorithms to derive the diffuse attenuation coefficient for lakes and coastal waters. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 402-415.	2.0	32
15	Validation of the MERIS products on large European lakes: Peipsi, VÄnern and VÄttern. <i>Hydrobiologia</i> , 2008, 599, 161-168.	2.0	31
16	Consistency of Radiometric Satellite Data over Lakes and Coastal Waters with Local Field Measurements. <i>Remote Sensing</i> , 2020, 12, 616.	4.0	24
17	Impacts of including forest understory brightness and foliage clumping information from multiangular measurements on leaf area index mapping over North America. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
18	Field Intercomparison of Radiometers Used for Satellite Validation in the 400-900 nm Range. <i>Remote Sensing</i> , 2019, 11, 1129.	4.0	22

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19	Satellite-based products for monitoring optically complex inland waters in support of EU Water Framework Directive. <i>International Journal of Remote Sensing</i> , 2015, 36, 4446-4468.	2.9	18
20	Impact of iron associated to organic matter on remote sensing estimates of lake carbon content. <i>Remote Sensing of Environment</i> , 2015, 156, 109-116.	11.0	17
21	Laboratory Intercomparison of Radiometers Used for Satellite Validation in the 400–900 nm Range. <i>Remote Sensing</i> , 2019, 11, 1101.	4.0	15
22	Fiducial Reference Measurements for Satellite Ocean Colour (FRM4SOC). <i>Remote Sensing</i> , 2020, 12, 1322.	4.0	15
23	Comparison of Above-Water Seabird and TriOS Radiometers along an Atlantic Meridional Transect. <i>Remote Sensing</i> , 2020, 12, 1669.	4.0	10
24	Detecting Climate Driven Changes in Chlorophyll-a Using High Frequency Monitoring: The Impact of the 2019 European Heatwave in Three Contrasting Aquatic Systems. <i>Sensors</i> , 2021, 21, 6242.	3.8	9
25	Synergy between Satellite Altimetry and Optical Water Quality Data towards Improved Estimation of Lakes Ecological Status. <i>Remote Sensing</i> , 2021, 13, 770.	4.0	5
26	Multitemporal Remote Sensing of Coastal Waters. <i>Remote Sensing and Digital Image Processing</i> , 2016, , 391-426.	0.7	2