

The NIR-SWIR combined atmospheric correction approach processing

Optics Express

15, 15722

DOI: [10.1364/oe.15.015722](https://doi.org/10.1364/oe.15.015722)

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Stormwater plume detection by MODIS imagery in the southern California coastal ocean. Estuarine, Coastal and Shelf Science, 2008, 80, 141-152. | 2.1 | 64 |
| 2 | Untangling the make-up of the NIR reflectance peak in coastal waters and its impact on remote sensing retrievals of [Chl] and fluorescence height algorithms. , 2008, , . | | 1 |
| 3 | An assessment of the black ocean pixel assumption for MODIS SWIR bands. Remote Sensing of Environment, 2009, 113, 1587-1597. | 11.0 | 157 |
| 4 | Evaluation of MODIS SWIR and NIR-SWIR atmospheric correction algorithms using SeaBASS data. Remote Sensing of Environment, 2009, 113, 635-644. | 11.0 | 268 |
| 5 | Retrieval of diffuse attenuation coefficient in the Chesapeake Bay and turbid ocean regions for satellite ocean color applications. Journal of Geophysical Research, 2009, 114, . | 3.3 | 191 |
| 6 | Green macroalgae blooms in the Yellow Sea during the spring and summer of 2008. Journal of Geophysical Research, 2009, 114, . | 3.3 | 105 |
| 7 | Detection of Ice and Mixed Iceâ€“Water Pixels for MODIS Ocean Color Data Processing. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2510-2518. | 6.3 | 37 |
| 8 | Satellite observation and model simulation of water turbidity in the Chesapeake Bay. Proceedings of SPIE, 2009, , . | 0.8 | 0 |
| 9 | Spatial extent of riverine flood plumes and exposure of marine ecosystems in the Tully coastal region, Great Barrier Reef. Marine and Freshwater Research, 2009, 60, 1109. | 1.3 | 98 |
| 10 | NASA satellite monitoring of water clarity in Mobile Bay for nutrient criteria development. , 2009, , . | | 0 |
| 11 | Atmospheric correction of HJ-1A/B CCD images over Chinese coastal waters using MODIS-Terra aerosol data. Science China Technological Sciences, 2010, 53, 191-195. | 4.0 | 15 |
| 12 | Importance of wave-induced bed liquefaction in the fine sediment budget of Cleveland Bay, Great Barrier Reef. Estuarine, Coastal and Shelf Science, 2010, 89, 154-162. | 2.1 | 100 |
| 13 | Evaluation of shortwave infrared atmospheric correction for ocean color remote sensing of Chesapeake Bay. Remote Sensing of Environment, 2010, 114, 2238-2247. | 11.0 | 83 |
| 14 | Aerosol Optical Depth of MODIS Imagery over Bright Coastal Water: A Regression Technique. Modern Applied Science, 2010, 4, . | 0.6 | 1 |
| 15 | The Coastcolour project regional algorithm round robin exercise. Proceedings of SPIE, 2010, , . | 0.8 | 5 |
| 16 | Modification of SeaDAS SWIR atmospheric correction scheme for accurate retrieval of NIR remote sensing reflectance in the river delta regions of the world. , 2010, , . | | 0 |
| 17 | An atmospheric correction algorithm for hyperspectral imagery of lake water by Chinese satellite HJ-1A. , 2010, , . | | 2 |
| 18 | Characterization of global ocean turbidity from Moderate Resolution Imaging Spectroradiometer ocean color observations. Journal of Geophysical Research, 2010, 115, . | 3.3 | 74 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Algorithms for remote estimation of chlorophyll-a in coastal and inland waters using red and near infrared bands. Optics Express, 2010, 18, 24109. | 3.4 | 283 |
| 20 | Near-Real-Time Ocean Color Data Processing Using Ancillary Data From the Global Forecast System Model. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1485-1495. | 6.3 | 18 |
| 21 | Satellite observations of optical and biological properties in the Korean dump site of the Yellow Sea. Remote Sensing of Environment, 2011, 115, 562-572. | 11.0 | 36 |
| 22 | Ocean sand ridge signatures in the Bohai Sea observed by satellite ocean color and synthetic aperture radar measurements. Remote Sensing of Environment, 2011, 115, 1926-1934. | 11.0 | 36 |
| 23 | Retrieving water-leaving reflectance from HJ1 CCD imagery aided by MODIS product. , 2011, , . | | 0 |
| 24 | Satellite observations of environmental changes from the Tonga volcano eruption in the southern tropical Pacific. International Journal of Remote Sensing, 2011, 32, 5785-5796. | 2.9 | 9 |
| 25 | Spring-neap tidal effects on satellite ocean color observations in the Bohai Sea, Yellow Sea, and East China Sea. Journal of Geophysical Research, 2011, 116, . | 3.3 | 58 |
| 26 | A simple, binary classification algorithm for the detection of <i>Trichodesmium</i> spp. within the Great Barrier Reef using MODIS imagery. Limnology and Oceanography: Methods, 2011, 9, 50-66. | 2.0 | 32 |
| 27 | CAAS: an atmospheric correction algorithm for the remote sensing of complex waters. Annales Geophysicae, 2012, 30, 203-220. | 1.6 | 31 |
| 28 | Atmospheric correction using near-infrared bands for satellite ocean color data processing in the turbid western Pacific region. Optics Express, 2012, 20, 741. | 3.4 | 98 |
| 29 | Atmospheric correction of satellite ocean color imagery using the ultraviolet wavelength for highly turbid waters. Optics Express, 2012, 20, 20754. | 3.4 | 104 |
| 30 | Atmospheric correction of ENVISAT/MERIS data over case II waters: the use of black pixel assumption in oxygen and water vapour absorption bands. International Journal of Remote Sensing, 2012, 33, 3713-3732. | 2.9 | 1 |
| 31 | Characterization of turbidity in Florida's Lake Okeechobee and Caloosahatchee and St. Lucie Estuaries using MODIS-Aqua measurements. Water Research, 2012, 46, 5410-5422. | 11.3 | 46 |
| 32 | Sensor Noise Effects of the SWIR Bands on MODIS-Derived Ocean Color Products. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3280-3292. | 6.3 | 47 |
| 33 | In situ evidence of non-zero reflectance in the OLCI 1020 nm band for a turbid estuary. Remote Sensing of Environment, 2012, 120, 133-144. | 11.0 | 55 |
| 34 | The development of a new optical total suspended matter algorithm for the Chesapeake Bay. Remote Sensing of Environment, 2012, 119, 243-254. | 11.0 | 93 |
| 35 | Water properties in Chesapeake Bay from MODIS-Aqua measurements. Remote Sensing of Environment, 2012, 123, 163-174. | 11.0 | 80 |
| 36 | Seasonal variability of turbid river plumes off central Chile based on high-resolution MODIS imagery. Remote Sensing of Environment, 2012, 123, 220-233. | 11.0 | 93 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Evaluation of atmospheric correction using bi-temporal hyperspectral images. Israel Journal of Plant Sciences, 2012, 60, 253-263. | 0.5 | 3 |
| 38 | Human induced turbidity changes in Poyang Lake between 2000 and 2010: Observations from MODIS. Journal of Geophysical Research, 2012, 117, . | 3.3 | 116 |
| 39 | Satellite views of the Bohai Sea, Yellow Sea, and East China Sea. Progress in Oceanography, 2012, 104, 30-45. | 3.2 | 123 |
| 40 | Mapping the pollutants in surface riverine flood plume waters in the Great Barrier Reef, Australia. Marine Pollution Bulletin, 2012, 65, 224-235. | 5.0 | 126 |
| 41 | Automated ocean color product validation for the Southern California Bight. , 2012, , . | | 1 |
| 43 | Development of atmospheric correction algorithm for Geostationary Ocean Color Imager (GOCI). Ocean Science Journal, 2012, 47, 247-259. | 1.3 | 100 |
| 44 | Assessment of GOCI radiometric products using MERIS, MODIS and field measurements. Ocean Science Journal, 2012, 47, 287-311. | 1.3 | 22 |
| 45 | Optical characterisation of suspended particles in the Mackenzie River plume (Canadian Arctic Ocean) and implications for ocean colour remote sensing. Biogeosciences, 2012, 9, 3213-3229. | 3.3 | 83 |
| 46 | Satellite observations of the partial pressure of carbon dioxide in the surface water of the Huanghai Sea and the Bohai Sea. Acta Oceanologica Sinica, 2012, 31, 67-73. | 1.0 | 10 |
| 47 | Assessment of total suspended sediment concentrations in Poyang Lake using HJ-1A/1B CCD imagery. Chinese Journal of Oceanology and Limnology, 2012, 30, 295-304. | 0.7 | 29 |
| 48 | A simple method for distinguishing global Case-1 and Case-2 waters using SeaWiFS measurements. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 69, 74-87. | 11.1 | 39 |
| 49 | Sea ice properties in the Bohai Sea measured by MODIS-Aqua: 1. Satellite algorithm development. Journal of Marine Systems, 2012, 95, 32-40. | 2.1 | 35 |
| 50 | A novel approach to model exposure of coastal-marine ecosystems to riverine flood plumes based on remote sensing techniques. Journal of Environmental Management, 2013, 119, 194-207. | 7.8 | 64 |
| 51 | Evaluation of the VIIRS ocean color monitoring performance in coastal regions. Remote Sensing of Environment, 2013, 139, 398-414. | 11.0 | 78 |
| 52 | Inversion of suspended sediment concentration at the Hangzhou Bay based on the high-resolution satellite HJ-1A/B imagery. , 2013, , . | | 1 |
| 53 | Evaluation of four MERIS atmospheric correction algorithms in Lake Kasumigaura, Japan. International Journal of Remote Sensing, 2013, 34, 8967-8985. | 2.9 | 22 |
| 54 | Tidal effects on ecosystem variability in the Chesapeake Bay from MODIS-Aqua. Remote Sensing of Environment, 2013, 138, 65-76. | 11.0 | 21 |
| 55 | Uncertainties of SeaWiFS and MODIS remote sensing reflectance: Implications from clear water measurements. Remote Sensing of Environment, 2013, 133, 168-182. | 11.0 | 109 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 56 | Comparison of MODIS-based models for retrieving suspended particulate matter concentrations in Poyang Lake, China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 24, 63-72. | 2.8 | 39 |
| 57 | Trends of satellite derived chlorophyll-a (1997â€“2011) in the Bohai and Yellow Seas, China: Effects of bathymetry on seasonal and inter-annual patterns. <i>Progress in Oceanography</i> , 2013, 116, 154-166. | 3.2 | 63 |
| 58 | Combining in-situ water quality and remotely sensed data across spatial and temporal scales to measure variability in wet season chlorophyll-a: Great Barrier Reef lagoon (Queensland, Australia). <i>Ecological Processes</i> , 2013, 2, . | 3.9 | 32 |
| 59 | Evaluation of four atmospheric correction algorithms for MODIS-Aqua images over contrasted coastal waters. <i>Remote Sensing of Environment</i> , 2013, 131, 63-75. | 11.0 | 128 |
| 60 | Remote Sensing of Water Optical Property for China's Inland Lake Taihu Using the SWIR Atmospheric Correction With 1640 and 2130 nm Bands. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 2505-2516. | 4.9 | 41 |
| 61 | An algorithm to retrieve chlorophyll, dissolved organic carbon, and suspended minerals from Great Lakes satellite data. <i>Journal of Great Lakes Research</i> , 2013, 39, 14-33. | 1.9 | 67 |
| 62 | Bacterial production along a river-to-ocean continuum in central Chile: implications for organic matter cycling. <i>Aquatic Microbial Ecology</i> , 2013, 68, 195-213. | 1.8 | 22 |
| 63 | Evaluation and optimization of bio-optical inversion algorithms for remote sensing of Lake Superior's optical properties. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1696-1714. | 2.6 | 28 |
| 64 | Evaluation of chlorophyll-a remote sensing algorithms for an optically complex estuary. <i>Remote Sensing of Environment</i> , 2013, 129, 75-89. | 11.0 | 152 |
| 65 | A Review of Some Important Technical Problems in Respect of Satellite Remote Sensing of Chlorophyll-a Concentration in Coastal Waters. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 2275-2289. | 4.9 | 60 |
| 66 | A Simple Atmospheric Correction Algorithm for MODIS in Shallow Turbid Waters: A Case Study in Taihu Lake. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 1825-1833. | 4.9 | 22 |
| 67 | Ocean color products from the Korean Geostationary Ocean Color Imager (GOCI). <i>Optics Express</i> , 2013, 21, 3835. | 3.4 | 87 |
| 68 | Identification of pixels with stray light and cloud shadow contaminations in the satellite ocean color data processing. <i>Applied Optics</i> , 2013, 52, 6757. | 1.8 | 35 |
| 69 | Satellite-based virtual buoy system to monitor coastal water quality. <i>Optical Engineering</i> , 2013, 53, 051402. | 1.0 | 34 |
| 70 | OSABT: An Innovative Algorithm to Detect and Characterize Ocean Surface Algal Blooms. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 1879-1892. | 4.9 | 43 |
| 71 | A tidal correction model for near-infrared (NIR) reflectance over tidal flats. <i>Remote Sensing Letters</i> , 2013, 4, 833-842. | 1.4 | 5 |
| 72 | On the Accuracy of SeaWiFS Ocean Color Data Products on the West Florida Shelf. <i>Journal of Coastal Research</i> , 2013, 29, 1257. | 0.3 | 26 |
| 73 | Validation of chlorophyll- <i>a</i> concentration maps from Aqua MODIS over the Gulf of Gabes (Tunisia): comparison between MedOC3 and OC3M bio-optical algorithms. <i>International Journal of Remote Sensing</i> , 2013, 34, 7163-7177. | 2.9 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 74 | Evaluating VIIRS ocean color products for west coast and Hawaiian waters. Proceedings of SPIE, 2013, , . | 0.8 | 4 |
| 75 | An operational model for filling the black strips of the MODIS 1640 band and application to atmospheric correction. Journal of Geophysical Research: Oceans, 2013, 118, 6006-6016. | 2.6 | 12 |
| 76 | Impacts of VIIRS SDR performance on ocean color products. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,347. | 3.3 | 123 |
| 77 | Estimating absorption coefficients of colored dissolved organic matter (CDOM) using a semi-analytical algorithm for southern Beaufort Sea waters: application to deriving concentrations of dissolved organic carbon from space. Biogeosciences, 2013, 10, 917-927. | 3.3 | 68 |
| 78 | Challenges and New Advances in Ocean Color Remote Sensing of Coastal Waters. , 0, , . | | 17 |
| 79 | Near-Å cloud aerosol properties from the 1 km resolution MODIS ocean product. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1546-1554. | 3.3 | 16 |
| 80 | Assessment of Total Suspended Sediment Distribution under Varying Tidal Conditions in Deep Bay: Initial Results from HJ-1A/1B Satellite CCD Images. Remote Sensing, 2014, 6, 9911-9929. | 4.0 | 24 |
| 81 | River runoff effect on the suspended sediment property in the upper Chesapeake Bay using MODIS observations and ROMS simulations. Journal of Geophysical Research: Oceans, 2014, 119, 8646-8661. | 2.6 | 11 |
| 82 | Simulation of Satellite Visible, Near-Infrared, and Shortwave-Infrared Measurements. Experimental Methods in the Physical Sciences, 2014, , 451-488. | 0.1 | 0 |
| 83 | A new approach for atmospheric correction of MODIS imagery in turbid coastal waters: a case study for the Pearl River Estuary. Remote Sensing Letters, 2014, 5, 249-257. | 1.4 | 21 |
| 84 | Exploring the potential of optical remote sensing for oil spill detection in shallow coastal waters-a case study in the Arabian Gulf. Optics Express, 2014, 22, 13755. | 3.4 | 86 |
| 85 | Biophysical Applications of Satellite Remote Sensing. Springer Remote Sensing/photogrammetry, 2014, , . | 0.4 | 16 |
| 86 | Improved near-infrared ocean reflectance correction algorithm for satellite ocean color data processing. Optics Express, 2014, 22, 21657. | 3.4 | 68 |
| 87 | Using MODIS data for mapping of water types within river plumes in the Great Barrier Reef, Australia: Towards the production of river plume risk maps for reef and seagrass ecosystems. Journal of Environmental Management, 2014, 137, 163-177. | 7.8 | 37 |
| 88 | Deriving remote sensing reflectance from turbid Case II waters using green-shortwave infrared bands based model. Advances in Space Research, 2014, 53, 1229-1238. | 2.6 | 7 |
| 89 | Monitoring rangeland ground cover vegetation using multitemporal MODIS data. Arabian Journal of Geosciences, 2014, 7, 287-298. | 1.3 | 21 |
| 90 | Retrieval of the seawater reflectance for suspended solids monitoring in the East China Sea using MODIS, MERIS and GOCI satellite data. Remote Sensing of Environment, 2014, 146, 36-48. | 11.0 | 73 |
| 91 | Satellite-measured net primary production in the Chesapeake Bay. Remote Sensing of Environment, 2014, 144, 109-119. | 11.0 | 34 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 92 | Long-term hydrological changes of the Aral Sea observed by satellites. Journal of Geophysical Research: Oceans, 2014, 119, 3313-3326. | 2.6 | 38 |
| 93 | A novel method for estimation of aerosol radiance and its extrapolation in the atmospheric correction of satellite data over optically complex oceanic waters. Remote Sensing of Environment, 2014, 142, 188-206. | 11.0 | 42 |
| 94 | Use of Landsat data to track historical water quality changes in Florida Keys marine environments. Remote Sensing of Environment, 2014, 140, 485-496. | 11.0 | 51 |
| 95 | Influence of the Three Gorges Dam on total suspended matters in the Yangtze Estuary and its adjacent coastal waters: Observations from MODIS. Remote Sensing of Environment, 2014, 140, 779-788. | 11.0 | 151 |
| 96 | Assessment of satellite ocean color products of MERIS, MODIS and SeaWiFS along the East China Coast (in the Yellow Sea and East China Sea). ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 87, 137-151. | 11.1 | 44 |
| 97 | An Improved SWIR Atmospheric Correction Model: A Cross-Calibration-Based Model. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3959-3967. | 6.3 | 8 |
| 98 | An Efficient Approach for VIIRS RDR to SDR Data Processing. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2037-2041. | 3.1 | 4 |
| 99 | Remote sensing of the El Hierro submarine volcanic eruption plume. International Journal of Remote Sensing, 2014, 35, 6573-6598. | 2.9 | 16 |
| 100 | Evaluation of the NIR-SWIR atmospheric correction algorithm for MODIS-Aqua over the Eastern China Seas. International Journal of Remote Sensing, 2014, 35, 4239-4251. | 2.9 | 15 |
| 101 | Optimizing a remotely sensed proxy for plankton biomass in Lake Kivu. International Journal of Remote Sensing, 2014, 35, 5219-5238. | 2.9 | 2 |
| 102 | Remote sensing of suspended particulate matter in turbid oyster farming ecosystems. Journal of Geophysical Research: Oceans, 2014, 119, 7277-7294. | 2.6 | 45 |
| 103 | Atmospheric correction based on inherent optical properties of sea water at NIR wavelengths combined with an automated aerosol spectra determination (ASD) technique. International Journal of Remote Sensing, 2014, 35, 3631-3650. | 2.9 | 0 |
| 104 | On-orbit radiometric characterization of OLI (Landsat-8) for applications in aquatic remote sensing. Remote Sensing of Environment, 2014, 154, 272-284. | 11.0 | 229 |
| 105 | On Orbit Calibration of Ocean Color Reflective Solar Bands. Experimental Methods in the Physical Sciences, 2014, , 121-152. | 0.1 | 1 |
| 106 | Estimating the marine signal in the near infrared for atmospheric correction of satellite ocean-color imagery over turbid waters. , 2014, , . | | 0 |
| 107 | Observations of ocean diurnal variations from the Korean geostationary ocean color imager (GOCI). Proceedings of SPIE, 2014, , . | 0.8 | 3 |
| 108 | MODIS surface reflectance product (MOD09) validation for typical inland waters in China. Proceedings of SPIE, 2014, , . | 0.8 | 3 |
| 109 | An inversion model based on salinity and remote sensing reflectance for estimating the phytoplankton absorption coefficient in the Saint Lawrence Estuary. Journal of Geophysical Research: Oceans, 2015, 120, 6958-6970. | 2.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 110 | Decadal changes of water properties in the Aral Sea observed by MODIS-Aqua. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 4687-4708. | 2.6 | 10 |
| 111 | A 50 % increase in the mass of terrestrial particles delivered by the Mackenzie River into the Beaufort Sea (Canadian Arctic Ocean) over the last 10 years. <i>Biogeosciences</i> , 2015, 12, 3551-3565. | 3.3 | 51 |
| 112 | Long-Term Distribution Patterns of Chlorophyll-a Concentration in China's Largest Freshwater Lake: MERIS Full-Resolution Observations with a Practical Approach. <i>Remote Sensing</i> , 2015, 7, 275-299. | 4.0 | 77 |
| 113 | Remote Sensing Observation of Particulate Organic Carbon in the Pearl River Estuary. <i>Remote Sensing</i> , 2015, 7, 8683-8704. | 4.0 | 41 |
| 114 | Modified optical remote sensing algorithms for the Pearl River Estuary. <i>Frontiers of Earth Science</i> , 2015, 9, 732-741. | 2.1 | 1 |
| 115 | Three decades of ocean-color remote-sensing <i>Trichodesmium</i> spp. in the World's oceans: A review. <i>Progress in Oceanography</i> , 2015, 131, 177-199. | 3.2 | 47 |
| 116 | Statistical model development and estimation of suspended particulate matter concentrations with Landsat 8 OLI images of Dongting Lake, China. <i>International Journal of Remote Sensing</i> , 2015, 36, 343-360. | 2.9 | 42 |
| 117 | Estimating oceanic primary productivity from ocean color remote sensing: A strategic assessment. <i>Journal of Marine Systems</i> , 2015, 149, 50-59. | 2.1 | 98 |
| 118 | Aquatic color radiometry remote sensing of coastal and inland waters: Challenges and recommendations for future satellite missions. <i>Remote Sensing of Environment</i> , 2015, 160, 15-30. | 11.0 | 254 |
| 119 | On the consistency of HJ-1A CCD1 and Terra/MODIS measurements for improved spatio-temporal monitoring of inland water: a case in Poyang Lake. <i>Remote Sensing Letters</i> , 2015, 6, 351-359. | 1.4 | 10 |
| 120 | Spatial and Temporal Patterns in the Seasonal Distribution of Toxic Cyanobacteria in Western Lake Erie from 2002-2014. <i>Toxins</i> , 2015, 7, 1649-1663. | 3.4 | 115 |
| 121 | A SWIR based algorithm to retrieve total suspended matter in extremely turbid waters. <i>Remote Sensing of Environment</i> , 2015, 168, 66-79. | 11.0 | 80 |
| 122 | An improved cloud masking algorithm for MODIS ocean colour data processing. <i>Remote Sensing Letters</i> , 2015, 6, 218-227. | 1.4 | 7 |
| 123 | Improved capabilities of the Chinese high-resolution remote sensing satellite GF-1 for monitoring suspended particulate matter (SPM) in inland waters: Radiometric and spatial considerations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 106, 145-156. | 11.1 | 81 |
| 124 | Bering Sea optical and biological properties from MODIS. <i>Remote Sensing of Environment</i> , 2015, 163, 240-252. | 11.0 | 4 |
| 125 | Diffuse attenuation coefficient of the photosynthetically available radiation $K_d(\text{PAR})$ for global open ocean and coastal waters. <i>Remote Sensing of Environment</i> , 2015, 159, 250-258. | 11.0 | 54 |
| 126 | Remote Sensing-Based Study on the Temporal Variations in Chlorophyll-a Concentration After Confo Oil Spill in Bohai Sea. <i>Journal of the Indian Society of Remote Sensing</i> , 2015, 43, 133-142. | 2.4 | 5 |
| 127 | Advantages of high quality SWIR bands for ocean colour processing: Examples from Landsat-8. <i>Remote Sensing of Environment</i> , 2015, 161, 89-106. | 11.0 | 248 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 128 | Technique for monitoring performance of VIIRS reflective solar bands for ocean color data processing. Optics Express, 2015, 23, 14446. | 3.4 | 11 |
| 129 | Vicarious calibration of the Geostationary Ocean Color Imager. Optics Express, 2015, 23, 23236. | 3.4 | 30 |
| 130 | Retrieval of phytoplankton and colored detrital matter absorption coefficients with remote sensing reflectance in an ultraviolet band. Applied Optics, 2015, 54, 636. | 1.8 | 15 |
| 131 | Updates to the on-orbit calibration of SNPP VIIRS for ocean color applications. Proceedings of SPIE, 2015, , . | 0.8 | 5 |
| 132 | Atmospheric correction for Landsat 8 over case 2 waters. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 133 | On-orbit characterization of the VIIRS solar diffuser and solar diffuser screen. Applied Optics, 2015, 54, 236. | 1.8 | 36 |
| 134 | A Multiplatform Approach Using MODIS Sensors to Cross-Calibrate the HJ-1A/CCD1 Sensors Over Aquatic Environments. Journal of the Indian Society of Remote Sensing, 2015, 43, 687-695. | 2.4 | 0 |
| 135 | Combining Landsat TM/ETM+ and HJ-1 A/B CCD Sensors for Monitoring Coastal Water Quality in Hong Kong. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1898-1902. | 3.1 | 28 |
| 136 | Habitat and water quality variables as predictors of community composition in an Indonesian coral reef: a multi-taxon study in the Spermonde Archipelago. Science of the Total Environment, 2015, 537, 139-151. | 8.0 | 43 |
| 137 | On-orbit calibration of Visible Infrared Imaging Radiometer Suite reflective solar bands and its challenges using a solar diffuser. Applied Optics, 2015, 54, 7210. | 2.1 | 42 |
| 138 | MODIS-Based Radiometric Color Extraction and Classification of Inland Water With the Forel-Ulle Scale: A Case Study of Lake Taihu. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 907-918. | 4.9 | 56 |
| 139 | Time-series analysis of Landsat-MSS/TM/OLI images over Amazonian waters impacted by gold mining activities. Remote Sensing of Environment, 2015, 157, 170-184. | 11.0 | 152 |
| 140 | On the Potential of Robust Satellite Techniques Approach for SPM Monitoring in Coastal Waters: Implementation and Application over the Basilicata Ionian Coastal Waters Using MODISâ€Aqua. Remote Sensing, 2016, 8, 922. | 4.0 | 16 |
| 141 | Remote Sensing and Ocean Color. , 2016, , 141-183. | | 3 |
| 142 | MODIS-Based Mapping of Secchi Disk Depth Using a Qualitative Algorithm in the Shallow Arabian Gulf. Remote Sensing, 2016, 8, 423. | 4.0 | 21 |
| 143 | Sensor Capability and Atmospheric Correction in Ocean Colour Remote Sensing. Remote Sensing, 2016, 8, 1. | 4.0 | 463 |
| 144 | Ocean colour opportunities from Meteosat Second and Third Generation geostationary platforms. Ocean Science, 2016, 12, 703-713. | 3.4 | 10 |
| 145 | VIIRS Reflective Solar Bands Calibration Progress and Its Impact on Ocean Color Products. Remote Sensing, 2016, 8, 194. | 4.0 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 146 | Potential of High Spatial and Temporal Ocean Color Satellite Data to Study the Dynamics of Suspended Particles in a Micro-Tidal River Plume. <i>Remote Sensing</i> , 2016, 8, 245. | 4.0 | 53 |
| 147 | Spectral Classification of the Yellow Sea and Implications for Coastal Ocean Color Remote Sensing. <i>Remote Sensing</i> , 2016, 8, 321. | 4.0 | 26 |
| 148 | MOD2SEA: A Coupled Atmosphere-Hydro-Optical Model for the Retrieval of Chlorophyll-a from Remote Sensing Observations in Complex Turbid Waters. <i>Remote Sensing</i> , 2016, 8, 722. | 4.0 | 17 |
| 149 | A MODIS-Based Retrieval Model of Suspended Particulate Matter Concentration for the Two Largest Freshwater Lakes in China. <i>Sustainability</i> , 2016, 8, 832. | 3.2 | 7 |
| 150 | SWIR-based atmospheric correction for Satellite Ocean Color using Principal Component Analysis decomposition over the la Plata River highly turbid waters. , 2016, , . | | 1 |
| 151 | Optics of the offshore Columbia River plume from glider observations and satellite imagery. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 2367-2384. | 2.6 | 24 |
| 152 | A simple correction method for the MODIS surface reflectance product over typical inland waters in China. <i>International Journal of Remote Sensing</i> , 2016, 37, 6076-6096. | 2.9 | 45 |
| 153 | An improved algorithm for retrieval of aerosol optical properties over the Yellow Sea from Geostationary Ocean Color Imager. , 2016, , . | | 0 |
| 154 | Assessment of remotely sensed chlorophyll- a concentration in Guanabara Bay, Brazil. <i>Journal of Applied Remote Sensing</i> , 2016, 10, 026003. | 1.3 | 27 |
| 155 | Retrieval of the diffuse attenuation coefficient from GOCI images using the 2SeaColor model: A case study in the Yangtze Estuary. <i>Remote Sensing of Environment</i> , 2016, 175, 109-119. | 11.0 | 22 |
| 156 | MODIS observations of water color of the largest 10 lakes in China between 2000 and 2012. <i>International Journal of Digital Earth</i> , 2016, 9, 788-805. | 3.9 | 38 |
| 157 | Challenges for mapping cyanotoxin patterns from remote sensing of cyanobacteria. <i>Harmful Algae</i> , 2016, 54, 160-173. | 4.8 | 128 |
| 158 | Improved water quality retrieval by identifying optically unique water classes. <i>Journal of Hydrology</i> , 2016, 541, 1119-1132. | 5.4 | 23 |
| 159 | Analysis of ocean diurnal variations from the Korean Geostationary Ocean Color Imager measurements using the DINEOF method. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 180, 230-241. | 2.1 | 27 |
| 160 | Seasonal and inter-annual turbidity variability in the R  o de la Plata from 15 years of MODIS: El Ni  o dilution effect. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 182, 27-39. | 2.1 | 62 |
| 161 | Fund  o Dam collapse: Oceanic dispersion of River Doce after the greatest Brazilian environmental accident. <i>Marine Pollution Bulletin</i> , 2016, 112, 359-364. | 5.0 | 118 |
| 162 | Degradation nonuniformity in the solar diffuser bidirectional reflectance distribution function. <i>Applied Optics</i> , 2016, 55, 6001. | 2.1 | 37 |
| 163 | A new algorithm for discriminating water sources from space: A case study for the southern Beaufort Sea using MODIS ocean color and SMOS salinity data. <i>Remote Sensing of Environment</i> , 2016, 184, 124-138. | 11.0 | 29 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 164 | NIR- and SWIR-based on-orbit vicarious calibrations for satellite ocean color sensors. Optics Express, 2016, 24, 20437. | 3.4 | 42 |
| 165 | Satellite-measured interannual variability of turbid river plumes off central-southern Chile: Spatial patterns and the influence of climate variability. Progress in Oceanography, 2016, 146, 212-222. | 3.2 | 53 |
| 166 | Retrieval of total suspended matter concentration from Gaofen-1 Wide Field Imager (WFI) multispectral imagery with the assistance of Terra MODIS in turbid water " case in Deep Bay. International Journal of Remote Sensing, 2016, 37, 3400-3413. | 2.9 | 17 |
| 167 | VIIRS-derived chlorophyll-a using the ocean color index method. Remote Sensing of Environment, 2016, 182, 141-149. | 11.0 | 84 |
| 168 | Estimation of water turbidity and analysis of its spatio-temporal variability in the Danube River plume (Black Sea) using MODIS satellite data. Continental Shelf Research, 2016, 112, 14-30. | 1.8 | 52 |
| 169 | Developments in Earth observation for the assessment and monitoring of inland, transitional, coastal and shelf-sea waters. Science of the Total Environment, 2016, 572, 1307-1321. | 8.0 | 114 |
| 170 | On the modeling of hyperspectral remote-sensing reflectance of high-sediment-load waters in the visible to shortwave-infrared domain. Applied Optics, 2016, 55, 1738. | 2.1 | 32 |
| 171 | Long-term analysis of turbidity patterns in Danube Delta coastal area based on MODIS satellite data. Journal of Marine Systems, 2017, 170, 10-21. | 2.1 | 27 |
| 172 | Atmospheric correction of hyperspectral airborne GCAS measurements over the Louisiana Shelf using a cloud shadow approach. International Journal of Remote Sensing, 2017, 38, 1162-1179. | 2.9 | 4 |
| 173 | Wind-driven upwelling and surface chlorophyll blooms in Greater Cook Strait. New Zealand Journal of Marine and Freshwater Research, 2017, 51, 465-489. | 2.0 | 32 |
| 174 | Assessment of Radiometric Data from a Buoy in the St. Lawrence Estuary. Journal of Atmospheric and Oceanic Technology, 2017, 34, 877-896. | 1.3 | 9 |
| 175 | Using Landsat to extend the historical record of lacustrine phytoplankton blooms: A Lake Erie case study. Remote Sensing of Environment, 2017, 191, 273-285. | 11.0 | 88 |
| 176 | MODIS observations of cyanobacterial risks in a eutrophic lake: Implications for long-term safety evaluation in drinking-water source. Water Research, 2017, 122, 455-470. | 11.3 | 107 |
| 177 | Land adjacency effects on <scp>MODIS A</scp>qua topâ€ofâ€atmosphere radiance in the shortwave infrared: <scp>S</scp>tatistical assessment and correction. Journal of Geophysical Research: Oceans, 2017, 122, 4802-4818. | 2.6 | 45 |
| 178 | Recovering low quality MODIS-Terra data over highly turbid waters through noise reduction and regional vicarious calibration adjustment: A case study in Taihu Lake. Remote Sensing of Environment, 2017, 197, 72-84. | 11.0 | 30 |
| 179 | Coastal and inland water monitoring using a portable hyperspectral laser fluorometer. Marine Pollution Bulletin, 2017, 119, 153-161. | 5.0 | 5 |
| 180 | Requirement of minimal signalâ€toâ€noise ratios of ocean color sensors and uncertainties of ocean color products. Journal of Geophysical Research: Oceans, 2017, 122, 2595-2611. | 2.6 | 47 |
| 181 | Remote estimation of biomass of Ulva prolifera macroalgae in the Yellow Sea. Remote Sensing of Environment, 2017, 192, 217-227. | 11.0 | 108 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 182 | Fifteen-year monitoring of the turbidity dynamics in large lakes and reservoirs in the middle and lower basin of the Yangtze River, China. Remote Sensing of Environment, 2017, 190, 107-121. | 11.0 | 166 |
| 183 | Application of a generalized additive model (GAM) for estimating chlorophyll- <i>a</i> concentration from MODIS data in the Bohai and Yellow Seas, China. International Journal of Remote Sensing, 2017, 38, 639-661. | 2.9 | 22 |
| 184 | Characterization of Particle Backscattering of Global Highly Turbid Waters From VIIRS Ocean Color Observations. Journal of Geophysical Research: Oceans, 2017, 122, 9255-9275. | 2.6 | 16 |
| 185 | Sentinel-2 MultiSpectral Instrument (MSI) data processing for aquatic science applications: Demonstrations and validations. Remote Sensing of Environment, 2017, 201, 47-56. | 11.0 | 205 |
| 186 | Improved atmospheric correction and chlorophyll- <i>a</i> remote sensing models for turbid waters in a dusty environment. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 133, 46-60. | 11.1 | 23 |
| 187 | Radiometric validation of atmospheric correction for MERIS in the Baltic Sea based on continuous observations from ships and AERONET-OC. Remote Sensing of Environment, 2017, 200, 263-280. | 11.0 | 44 |
| 188 | Satellite and Aircraft Remote Sensing. , 0, , 316-344. | | 0 |
| 189 | Uncertainties and applications of satellite-derived coastal water quality products. Progress in Oceanography, 2017, 159, 45-72. | 3.2 | 74 |
| 190 | A Hybrid EOF Algorithm to Improve MODIS Cyanobacteria Phycocyanin Data Quality in a Highly Turbid Lake: Bloom and Nonbloom Condition. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4430-4444. | 4.9 | 19 |
| 191 | Atmospheric correction over coastal waters using multilayer neural networks. Remote Sensing of Environment, 2017, 199, 218-240. | 11.0 | 103 |
| 192 | Atmospheric Correction of Landsat-8/OLI Imagery in Turbid Estuarine Waters: A Case Study for the Pearl River Estuary. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 252-261. | 4.9 | 14 |
| 193 | VHR GeoEye-1 imagery reveals an ancient water landscape at the Longcheng site, northern Chaohu Lake Basin (China). International Journal of Digital Earth, 2017, 10, 139-154. | 3.9 | 18 |
| 194 | Ice Detection for Satellite Ocean Color Data Processing in the Great Lakes. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6793-6804. | 6.3 | 6 |
| 195 | Atmospheric correction of OLCI imagery over very turbid waters based on the RED/NIR/SWIR bands. , 2017, , . | | 1 |
| 196 | Specificity of Atmospheric Correction of Satellite Data on Ocean Color in the Far East. Izvestiya - Atmospheric and Oceanic Physics, 2017, 53, 996-1006. | 0.9 | 7 |
| 197 | Water-leaving contribution to polarized radiation field over ocean. Optics Express, 2017, 25, A689. | 3.4 | 30 |
| 198 | Estimation of chlorophyll concentration in waters near Hokkaido using the linear combination method. Optics Express, 2017, 25, A963. | 3.4 | 1 |
| 199 | Atmospheric correction for retrieving ground brightness temperature at commonly-used passive microwave frequencies. Optics Express, 2017, 25, A36. | 3.4 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 200 | Revisiting short-wave-infrared (SWIR) bands for atmospheric correction in coastal waters. Optics Express, 2017, 25, 6015. | 3.4 | 58 |
| 201 | A MODIS-Based Novel Method to Distinguish Surface Cyanobacterial Scums and Aquatic Macrophytes in Lake Taihu. Remote Sensing, 2017, 9, 133. | 4.0 | 64 |
| 202 | Turbidity in Apalachicola Bay, Florida from Landsat 5 TM and Field Data: Seasonal Patterns and Response to Extreme Events. Remote Sensing, 2017, 9, 367. | 4.0 | 28 |
| 203 | An Optical Classification Tool for Global Lake Waters. Remote Sensing, 2017, 9, 420. | 4.0 | 59 |
| 204 | Satellites-Based Monitoring of Harmful Algal Blooms for Sustainable Desalination. , 2017, , 341-366. | | 2 |
| 205 | Satellite Remote Sensing of Drinking Water Intakes in Lake Erie for Cyanobacteria Population Using Two MODIS-Based Indicators as a Potential Tool for Toxin Tracking. Frontiers in Marine Science, 2017, 4, . | 2.5 | 21 |
| 206 | Simplifying Regional Tuning of MODIS Algorithms for Monitoring Chlorophyll-a in Coastal Waters. Frontiers in Marine Science, 2017, 4, . | 2.5 | 11 |
| 207 | Influence of main forcing affecting the Tagus turbid plume under high river discharges using MODIS imagery. PLoS ONE, 2017, 12, e0187036. | 2.5 | 16 |
| 208 | Water Quality Seasonal Variability (2000 to 2015) in Yangtze River Estuary and Its Adjacent Coastal Area. Journal of Remote Sensing & GIS, 2017, 06, . | 0.3 | 0 |
| 209 | Vertical segregation among pathways mediating nitrogen loss (N ₂ and N ₂ O) Tj ETQq1 1 0.784314 rgBT /Overdel | 3.3 | 28 |
| 210 | Atmospheric Correction of Hyperspectral GCAS Airborne Measurements Over the North Atlantic Ocean and Louisiana Shelf. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 168-179. | 6.3 | 4 |
| 211 | A modern robust approach to remotely estimate chlorophyll in coastal and inland zones. Advances in Space Research, 2018, 61, 2491-2509. | 2.6 | 13 |
| 212 | Can MODIS Land Reflectance Products be Used for Estuarine and Inland Waters?. Water Resources Research, 2018, 54, 3583-3601. | 4.2 | 20 |
| 213 | Detecting phytoplankton diatom fraction based on the spectral shape of satellite-derived algal light absorption coefficient. Limnology and Oceanography, 2018, 63, S85. | 3.1 | 7 |
| 214 | Evaluation of satellite-derived MODIS chlorophyll algorithms in the northern Antarctic Peninsula. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 124-137. | 1.4 | 10 |
| 215 | VIIRS-derived ocean color product using the imaging bands. Remote Sensing of Environment, 2018, 206, 275-286. | 11.0 | 24 |
| 216 | Simultaneous determination of aerosol optical thickness and water-leaving radiance from multispectral measurements in coastal waters. Atmospheric Chemistry and Physics, 2018, 18, 3865-3884. | 4.9 | 9 |
| 217 | On the detectability of adjacency effects in ocean color remote sensing of mid-latitude coastal environments by SeaWiFS, MODIS-A, MERIS, OLCI, OLI and MSI. Remote Sensing of Environment, 2018, 209, 423-438. | 11.0 | 65 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 218 | Diurnal changes of remote sensing reflectance over Chesapeake Bay: Observations from the Airborne Compact Atmospheric Mapper. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 200, 181-193. | 2.1 | 2 |
| 219 | 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. | 11.0 | 102 |
| 221 | Satellite Observations of Cloud-Related Variations in Aerosol Properties. <i>Atmosphere</i> , 2018, 9, 430. | 2.3 | 18 |
| 222 | JPSS VIIRS Ocean Color Products and Applications. , 2018, , . | | 1 |
| 223 | Evaluating Remote Sensing Model Specification Methods for Estimating Water Quality in Optically Diverse Lakes throughout the Growing Season. <i>Hydrology</i> , 2018, 5, 62. | 3.0 | 15 |
| 224 | Radiometric Cross-Calibration of Tiangong-2 MWI Visible/NIR Channels over Aquatic Environments using MODIS. <i>Remote Sensing</i> , 2018, 10, 1803. | 4.0 | 6 |
| 225 | Improved MODIS-Aqua Chlorophyll-a Retrievals in the Turbid Semi-Enclosed Ariake Bay, Japan. <i>Remote Sensing</i> , 2018, 10, 1335. | 4.0 | 18 |
| 226 | Radiation Transfer in the Ocean and Ocean Color. , 2018, , 43-78. | | 1 |
| 227 | Remote sensing of <i>Trichodesmium</i> spp. mats in the western tropical South Pacific. <i>Biogeosciences</i> , 2018, 15, 5203-5219. | 3.3 | 9 |
| 228 | Remote Sensing of Lakesâ€™ Water Environment. , 2018, , 249-277. | | 5 |
| 229 | Exploring the potential of Rayleigh-corrected reflectance in coastal and inland water applications: A simple aerosol correction method and its merits. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 146, 52-64. | 11.1 | 39 |
| 230 | Trophic state assessment of global inland waters using a MODIS-derived Forel-Ule index. <i>Remote Sensing of Environment</i> , 2018, 217, 444-460. | 11.0 | 195 |
| 231 | Gap Filling of Missing Data for VIIRS Global Ocean Color Products Using the DINEOF Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 4464-4476. | 6.3 | 50 |
| 232 | Towards an assessment of riverine dissolved organic carbon in surface waters of the western Arctic Ocean based on remote sensing and biogeochemical modeling. <i>Biogeosciences</i> , 2018, 15, 1335-1346. | 3.3 | 17 |
| 233 | Sensor performance requirements for atmospheric correction of satellite ocean color remote sensing. <i>Optics Express</i> , 2018, 26, 7390. | 3.4 | 19 |
| 234 | Retrieval of aerosol properties and water-leaving reflectance from multi-angular polarimetric measurements over coastal waters. <i>Optics Express</i> , 2018, 26, 8968. | 3.4 | 44 |
| 235 | The dynamic observation of dissolved organic matter in the Zhujiang (Pearl River) Estuary in China from space. <i>Acta Oceanologica Sinica</i> , 2018, 37, 105-117. | 1.0 | 8 |
| 236 | Comparison of two atmospheric correction approaches applied to MODIS measurements over North American waters. <i>Remote Sensing of Environment</i> , 2018, 216, 442-455. | 11.0 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 237 | Estimation of suspended particulate matter in turbid coastal waters: application to hyperspectral satellite imagery. Optics Express, 2018, 26, 10476. | 3.4 | 14 |
| 238 | Use of Landsat 8 data for characterizing dynamic changes in physical and acoustical properties of coastal lagoon and estuarine waters. Advances in Space Research, 2018, 62, 2393-2417. | 2.6 | 8 |
| 239 | nBn extended short-wavelength infrared focal plane array. Optics Letters, 2018, 43, 591. | 3.3 | 36 |
| 240 | Water Quality Drivers in 11 Gulf of Mexico Estuaries. Remote Sensing, 2018, 10, 255. | 4.0 | 11 |
| 241 | Using High-Resolution Airborne Data to Evaluate MERIS Atmospheric Correction and Intra-Pixel Variability in Nearshore Turbid Waters. Remote Sensing, 2018, 10, 274. | 4.0 | 5 |
| 242 | Deriving Total Suspended Matter Concentration from the Near-Infrared-Based Inherent Optical Properties over Turbid Waters: A Case Study in Lake Taihu. Remote Sensing, 2018, 10, 333. | 4.0 | 31 |
| 243 | Radiometric Evaluation of SNPP VIIRS Band M11 via Sub-Kilometer Intercomparison with Aqua MODIS Band 7 over Snowy Scenes. Remote Sensing, 2018, 10, 413. | 4.0 | 2 |
| 244 | Inland Water Atmospheric Correction Based on Turbidity Classification Using OLCI and SLSTR Synergistic Observations. Remote Sensing, 2018, 10, 1002. | 4.0 | 47 |
| 245 | Remote sensing of water constituent concentrations using time series of in-situ hyperspectral measurements in the Wadden Sea. Remote Sensing of Environment, 2018, 216, 154-170. | 11.0 | 14 |
| 246 | Retrieval of total suspended matter concentrations from high resolution WorldView-2 imagery: a case study of inland rivers. IOP Conference Series: Earth and Environmental Science, 2018, 121, 032036. | 0.3 | 5 |
| 247 | Performance Evaluation of On-Orbit Calibration of SNPP VIIRS Reflective Solar Bands via Intersensor Comparison with Aqua MODIS. Journal of Atmospheric and Oceanic Technology, 2018, 35, 385-403. | 1.3 | 9 |
| 248 | An assessment of Landsat-8 atmospheric correction schemes and remote sensing reflectance products in coral reefs and coastal turbid waters. Remote Sensing of Environment, 2018, 215, 18-32. | 11.0 | 65 |
| 249 | Atmospheric Correction Using the Information From the Short Blue Band. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6224-6237. | 6.3 | 51 |
| 250 | Multiband Atmospheric Correction Algorithm for Ocean Color Retrievals. Frontiers in Earth Science, 2019, 7, . | 1.8 | 34 |
| 251 | A blended inherent optical property algorithm for global satellite ocean color observations. Limnology and Oceanography: Methods, 2019, 17, 377-394. | 2.0 | 27 |
| 252 | The NSERC Canadian Lake Pulse Network: A national assessment of lake health providing science for water management in a changing climate. Science of the Total Environment, 2019, 695, 133668. | 8.0 | 68 |
| 253 | A semi-analytical approach for remote sensing of trophic state in inland waters: Bio-optical mechanism and application. Remote Sensing of Environment, 2019, 232, 111349. | 11.0 | 48 |
| 254 | Adaptive bathymetry estimation for shallow coastal waters using Planet Dove satellites. Remote Sensing of Environment, 2019, 232, 111302. | 11.0 | 84 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 255 | Atmospheric Correction of Satellite Ocean-Color Imagery During the PACE Era. <i>Frontiers in Earth Science</i> , 2019, 7, . | 1.8 | 98 |
| 256 | Evaluation of Four Atmospheric Correction Algorithms for GOCI Images over the Yellow Sea. <i>Remote Sensing</i> , 2019, 11, 1631. | 4.0 | 19 |
| 257 | Modeling Atmosphere-Ocean Radiative Transfer: A PACE Mission Perspective. <i>Frontiers in Earth Science</i> , 2019, 7, . | 1.8 | 37 |
| 258 | VIIRS-Derived Water Turbidity in the Great Lakes. <i>Remote Sensing</i> , 2019, 11, 1448. | 4.0 | 15 |
| 259 | Regional Vicarious Calibration of the SWIR-Based Atmospheric Correction Approach for MODIS-Aqua Measurements of Highly Turbid Inland Water. <i>Remote Sensing</i> , 2019, 11, 1670. | 4.0 | 4 |
| 260 | Retrieving Total and Inorganic Suspended Sediments in Amazon Floodplain Lakes: A Multisensor Approach. <i>Remote Sensing</i> , 2019, 11, 1744. | 4.0 | 27 |
| 261 | A unified approach to estimate land and water reflectances with uncertainties for coastal imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2019, 231, 111198. | 11.0 | 25 |
| 262 | A Secchi Depth Algorithm Considering the Residual Error in Satellite Remote Sensing Reflectance Data. <i>Remote Sensing</i> , 2019, 11, 1948. | 4.0 | 13 |
| 263 | An empirical algorithm to seamlessly retrieve the concentration of suspended particulate matter from water color across ocean to turbid river mouths. <i>Remote Sensing of Environment</i> , 2019, 235, 111491. | 11.0 | 62 |
| 264 | Simple methods for satellite identification of algal blooms and species using 10-year time series data from the East China Sea. <i>Remote Sensing of Environment</i> , 2019, 235, 111484. | 11.0 | 36 |
| 265 | Coupled Biospheric Synchrony of the Coastal Temperate Ecosystem in Northern Patagonia: A Remote Sensing Analysis. <i>Remote Sensing</i> , 2019, 11, 2092. | 4.0 | 7 |
| 266 | Hyperspectral Measurements, Parameterizations, and Atmospheric Correction of Whitecaps and Foam From Visible to Shortwave Infrared for Ocean Color Remote Sensing. <i>Frontiers in Earth Science</i> , 2019, 7, . | 1.8 | 26 |
| 267 | Remote sensing, isotopic composition and metagenomics analyses revealed Doce River ore plume reached the southern Abrolhos Bank Reefs. <i>Science of the Total Environment</i> , 2019, 697, 134038. | 8.0 | 50 |
| 268 | The influence of river discharge and wind on Patos Lagoon, Brazil, Suspended Particulate Matter. <i>International Journal of Remote Sensing</i> , 2019, 40, 4506-4525. | 2.9 | 24 |
| 269 | Inherent Optical Properties in Lake Taihu Derived from VIIRS Satellite Observations. <i>Remote Sensing</i> , 2019, 11, 1426. | 4.0 | 15 |
| 270 | Remote sensing of aerosol properties from multi-wavelength and multi-pixel information over the ocean. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2461-2475. | 4.9 | 19 |
| 271 | Light availability for reef-building organisms in a plume-influenced shelf. <i>Continental Shelf Research</i> , 2019, 181, 25-33. | 1.8 | 21 |
| 272 | Characterization of Suspended Particle Size Distribution in Global Highly Turbid Waters From VIIRS Measurements. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3796-3817. | 2.6 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 273 | Determining switching threshold for NIR-SWIR combined atmospheric correction algorithm of ocean color remote sensing. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 153, 59-73. | 11.1 | 25 |
| 274 | Validation of 2015 Lake Erie MODIS image spectral decomposition using visible derivative spectroscopy and field campaign data. Journal of Great Lakes Research, 2019, 45, 466-479. | 1.9 | 11 |
| 275 | Analyzing Performances of Different Atmospheric Correction Techniques for Landsat 8: Application for Coastal Remote Sensing. Remote Sensing, 2019, 11, 469. | 4.0 | 79 |
| 276 | Filling the Gaps of Missing Data in the Merged VIIRS SNPP/NOAA-20 Ocean Color Product Using the DINEOF Method. Remote Sensing, 2019, 11, 178. | 4.0 | 53 |
| 277 | Remote sensing of spatial and temporal patterns of phytoplankton assemblages in the Bohai Sea, Yellow Sea, and east China sea. Water Research, 2019, 157, 119-133. | 11.3 | 24 |
| 278 | An improved algorithm for estimating the Secchi disk depth from remote sensing data based on the new underwater visibility theory. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 152, 13-23. | 11.1 | 45 |
| 279 | An absorption-specific approach to examining dynamics of particulate organic carbon from VIIRS observations in inland and coastal waters. Remote Sensing of Environment, 2019, 224, 29-43. | 11.0 | 17 |
| 280 | Improving Satellite Global Chlorophyll <i>a</i> Data Products Through Algorithm Refinement and Data Recovery. Journal of Geophysical Research: Oceans, 2019, 124, 1524-1543. | 2.6 | 58 |
| 281 | Performance of Landsat-8 and Sentinel-2 surface reflectance products for river remote sensing retrievals of chlorophyll-a and turbidity. Remote Sensing of Environment, 2019, 224, 104-118. | 11.0 | 195 |
| 282 | Evaluation of standard and regional satellite chlorophyll-a algorithms for moderate-resolution imaging spectroradiometer (MODIS) in the Bohai and Yellow Seas, China: a comparison of chlorophyll-a magnitude and seasonality. International Journal of Remote Sensing, 2019, 40, 4980-4995. | 2.9 | 12 |
| 283 | MeznSatâ€™A 3U CubeSat for Monitoring Greenhouse Gases Using Short Wave Infra-Red Spectrometry: Mission Concept and Analysis. Aerospace, 2019, 6, 118. | 2.2 | 17 |
| 284 | VIIRS-Derived Inherent Optical Property Data over Global Coastal and Inland Waters Using the NIR-based Approach. , 2019, , . | | 1 |
| 285 | Fabrication of 12 μm pixel-pitch 1280 Å– 1024 extended short wavelength infrared focal plane array using heterojunction type-II superlattice-based photodetectors. Semiconductor Science and Technology, 2019, 34, 03LT01. | 2.0 | 12 |
| 286 | Monitoring and understanding the water transparency changes of fifty large lakes on the Yangtze Plain based on long-term MODIS observations. Remote Sensing of Environment, 2019, 221, 675-686. | 11.0 | 114 |
| 287 | SeaPRISM observations in the western basin of Lake Erie in the summer of 2016. Journal of Great Lakes Research, 2019, 45, 547-555. | 1.9 | 4 |
| 288 | Revisiting effectiveness of turbidity index for the switching scheme of NIR-SWIR combined ocean color atmospheric correction algorithm. International Journal of Applied Earth Observation and Geoinformation, 2019, 76, 1-9. | 2.8 | 9 |
| 289 | Validation of MODIS-Aqua bio-optical algorithms for phytoplankton absorption coefficient measurement in optically complex waters of El Rinc n (Argentina). Continental Shelf Research, 2019, 173, 73-86. | 1.8 | 13 |
| 290 | Mapping aerosol optical thickness and water-leaving signals using an improved NIR/SWIR switching atmospheric correction model: A case study in the Bohai Sea. International Journal of Remote Sensing, 2019, 40, 1374-1393. | 2.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 291 | On the Interplay Between Ocean Color Data Quality and Data Quantity: Impacts of Quality Control Flags. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 745-749. | 3.1 | 24 |
| 292 | Remotely assessing and monitoring coastal and inland water quality in China: Progress, challenges and outlook. Critical Reviews in Environmental Science and Technology, 2020, 50, 1266-1302. | 12.8 | 30 |
| 293 | Hybrid Chlorophyll-a Algorithm for Assessing Trophic States of a Tropical Brazilian Reservoir Based on MSI/Sentinel-2 Data. Remote Sensing, 2020, 12, 40. | 4.0 | 31 |
| 294 | The impact of sea bottom effects on the retrieval of water constituent concentrations from MERIS and OLCI images in shallow tidal waters supported by radiative transfer modeling. Remote Sensing of Environment, 2020, 237, 111596. | 11.0 | 7 |
| 295 | Atmospheric Correction of GOCI Using Quasi-Synchronous VIIRS Data in Highly Turbid Coastal Waters. Remote Sensing, 2020, 12, 89. | 4.0 | 5 |
| 296 | Time Delay Evaluation on the Water-Leaving Irradiance Retrieved from Empirical Models and Satellite Imagery. Remote Sensing, 2020, 12, 87. | 4.0 | 2 |
| 297 | Application of Sentinel 3 OLCI for chl-a retrieval over small inland water targets: Successes and challenges. Remote Sensing of Environment, 2020, 237, 111562. | 11.0 | 51 |
| 298 | Monitoring cyanobacterial harmful algal blooms at high spatiotemporal resolution by fusing Landsat and MODIS imagery. Environmental Advances, 2020, 2, 100008. | 4.8 | 8 |
| 299 | Assessment of Landsat atmospheric correction methods for water color applications using global AERONET-OC data. International Journal of Applied Earth Observation and Geoinformation, 2020, 93, 102192. | 2.8 | 14 |
| 300 | Improving low-quality satellite remote sensing reflectance at blue bands over coastal and inland waters. Remote Sensing of Environment, 2020, 250, 112029. | 11.0 | 24 |
| 301 | Shallow water bathymetry with multi-spectral satellite ocean color sensors: Leveraging temporal variation in image data. Remote Sensing of Environment, 2020, 250, 112035. | 11.0 | 31 |
| 302 | Water clarity changes in 64 large alpine lakes on the Tibetan Plateau and the potential responses to lake expansion. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 170, 192-204. | 11.1 | 15 |
| 303 | Mapping of diffuse attenuation coefficient in optically complex waters of amazon floodplain lakes. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 170, 72-87. | 11.1 | 11 |
| 304 | Estimation of Phytoplankton Chlorophyll-a Concentrations in the Western Basin of Lake Erie Using Sentinel-2 and Sentinel-3 Data. Canadian Journal of Remote Sensing, 2020, 46, 585-602. | 2.4 | 20 |
| 305 | Spatio-temporal variability of suspended sediment concentrations in a shallow and turbid lagoon. Journal of Marine Systems, 2020, 212, 103454. | 2.1 | 15 |
| 306 | Empirical Relationships between Remote-Sensing Reflectance and Selected Inherent Optical Properties in Nordic Sea Surface Waters for the MODIS and OLCI Ocean Colour Sensors. Remote Sensing, 2020, 12, 2774. | 4.0 | 8 |
| 307 | Water property in high-altitude Qinghai Lake in China. Science of Remote Sensing, 2020, 2, 100012. | 4.8 | 4 |
| 308 | Diffuse Attenuation of Clear Water Tropical Reservoir: A Remote Sensing Semi-Analytical Approach. Remote Sensing, 2020, 12, 2828. | 4.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 309 | Water Quality Properties Derived from VIIRS Measurements in the Great Lakes. Remote Sensing, 2020, 12, 1605. | 4.0 | 10 |
| 310 | MODIS-Based Remote Estimation of Absorption Coefficients of an Inland Turbid Lake in China. Remote Sensing, 2020, 12, 1940. | 4.0 | 7 |
| 311 | Retrieval and Validation of Water Turbidity at Metre-Scale Using PIAOSAT Satellite Data: A Case Study in the Gironde Estuary. Remote Sensing, 2020, 12, 946. | 4.0 | 8 |
| 312 | Optical Properties Using Adaptive Selection of NIR/SWIR Reflectance Correction and Quasi-Analytic Algorithms for the MODIS-Aqua in Estuarine-Ocean Continuum: Application to the Northern Gulf of Mexico. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6088-6105. | 6.3 | 7 |
| 313 | Remote estimation of chlorophyll a concentrations over a wide range of optical conditions based on water classification from VIIRS observations. Remote Sensing of Environment, 2020, 241, 111735. | 11.0 | 37 |
| 314 | Integration of in-situ and multi-sensor satellite observations for long-term water quality monitoring in coastal areas. Remote Sensing of Environment, 2020, 239, 111632. | 11.0 | 54 |
| 315 | Machine learning algorithms for retrievals of aerosol and ocean color products from FY-3D MERSI-II instrument. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 250, 107042. | 2.3 | 11 |
| 316 | Water properties in the La Plata River Estuary from VIIRS observations. Continental Shelf Research, 2020, 198, 104100. | 1.8 | 5 |
| 317 | Validation of MODIS ocean-colour products in the coastal waters of the Yellow Sea and East China Sea. Acta Oceanologica Sinica, 2020, 39, 91-101. | 1.0 | 10 |
| 318 | Application of Landsat 8 OLI for monitoring the coastal waters of the US Virgin Islands. International Journal of Remote Sensing, 2020, 41, 5743-5769. | 2.9 | 6 |
| 319 | Satellite-measured water properties in high altitude Lake Tahoe. Water Research, 2020, 178, 115839. | 11.3 | 17 |
| 320 | Evaluation of Atmospheric Correction Algorithms for Sentinel-2-MSI and Sentinel-3-OLCI in Highly Turbid Estuarine Waters. Remote Sensing, 2020, 12, 1285. | 4.0 | 54 |
| 321 | Quantification of lake clarity in China using Landsat OLI imagery data. Remote Sensing of Environment, 2020, 243, 111800. | 11.0 | 74 |
| 322 | Super-Resolution of VIIRS-Measured Ocean Color Products Using Deep Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 114-127. | 6.3 | 11 |
| 323 | Novel method for reconstruction of hyperspectral resolution images from multispectral data for complex coastal and inland waters. Advances in Space Research, 2021, 67, 266-289. | 2.6 | 7 |
| 324 | Development of a Practical Atmospheric Correction Algorithm for Inland and Nearshore Coastal Waters. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15. | 6.3 | 1 |
| 325 | An Improved Inherent Optical Properties Data Processing System for Residual Error Correction in Turbid Natural Waters. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6596-6607. | 4.9 | 6 |
| 326 | Chlorophyll-a concentrations in 82 large alpine lakes on the Tibetan Plateau during 2003-2017: temporal-spatial variations and influencing factors. International Journal of Digital Earth, 2021, 14, 714-735. | 3.9 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 327 | Using Satellite Remote Sensing to Study the Effect of Sand Excavation on the Suspended Sediment in the Hong Kong-Zhuhai-Macau Bridge Region. <i>Water</i> (Switzerland), 2021, 13, 435. | 2.7 | 5 |
| 328 | Detection of the Minute Variations of Total Suspended Matter in Strong Tidal Waters Based on GaoFen-4 Satellite Data. <i>Remote Sensing</i> , 2021, 13, 1339. | 4.0 | 3 |
| 329 | Assessing the utility of using current generation high-resolution satellites (Sentinel 2 and Landsat 8) to monitor large water supply dam in South Africa. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 22, 100521. | 1.5 | 5 |
| 330 | 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. | 11.1 | 37 |
| 331 | Remote sensing of CDOM and DOC in alpine lakes across the Qinghai-Tibet Plateau using Sentinel-2A imagery data. <i>Journal of Environmental Management</i> , 2021, 286, 112231. | 7.8 | 24 |
| 332 | Global land mask for satellite ocean color remote sensing. <i>Remote Sensing of Environment</i> , 2021, 257, 112356. | 11.0 | 6 |
| 333 | The features of the coastal fronts in the Eastern Guangdong coastal waters during the downwelling-favorable wind period. <i>Scientific Reports</i> , 2021, 11, 10238. | 3.3 | 1 |
| 334 | Deriving VIIRS High-Spatial Resolution Water Property Data over Coastal and Inland Waters Using Deep Convolutional Neural Network. <i>Remote Sensing</i> , 2021, 13, 1944. | 4.0 | 0 |
| 335 | Satellite-derived global chlorophyll-a anomaly products. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 97, 102288. | 2.8 | 10 |
| 336 | 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 |
| 337 | Remote detection of marine debris using satellite observations in the visible and near infrared spectral range: Challenges and potentials. <i>Remote Sensing of Environment</i> , 2021, 259, 112414. | 11.0 | 52 |
| 338 | AlgaeMAp: Algae Bloom Monitoring Application for Inland Waters in Latin America. <i>Remote Sensing</i> , 2021, 13, 2874. | 4.0 | 20 |
| 339 | Global Estimation of Suspended Particulate Matter From Satellite Ocean Color Imagery. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017303. | 2.6 | 33 |
| 340 | The Utility of Gordon's Standard NIR Empirical Atmospheric Correction Algorithm for Unmanned Aerial Vehicle Imagery. <i>Journal of the Indian Society of Remote Sensing</i> , 2021, 49, 2891-2901. | 2.4 | 1 |
| 341 | Iterative near-infrared atmospheric correction scheme for global coastal waters. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 179, 92-107. | 11.1 | 10 |
| 342 | A combined semi-analytical algorithm for retrieving total suspended sediment concentration from multiple missions: a case study of the China Eastern Coastal Zone. <i>International Journal of Remote Sensing</i> , 2021, 42, 8004-8033. | 2.9 | 2 |
| 343 | Satellite estimation of dissolved organic carbon in eutrophic Lake Taihu, China. <i>Remote Sensing of Environment</i> , 2021, 264, 112572. | 11.0 | 17 |
| 344 | Research on the dissipation of green tide and its influencing factors in the Yellow Sea based on Google Earth Engine. <i>Marine Pollution Bulletin</i> , 2021, 172, 112801. | 5.0 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 345 | Atmospheric correction over coastal waters with aerosol properties constrained by multi-pixel observations. Remote Sensing of Environment, 2021, 265, 112633. | 11.0 | 9 |
| 346 | Impact of Monsoon-Transported Anthropogenic Aerosols and Sun-Glint on the Satellite-Derived Spectral Remote Sensing Reflectance in the Indian Ocean. Remote Sensing, 2021, 13, 184. | 4.0 | 1 |
| 347 | Water Optical Property of High-Altitude Lakes in the Tibetan Plateau. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13. | 6.3 | 0 |
| 348 | Key issues in detecting lacustrine cyanobacterial bloom using satellite remote sensing. Hupo Kexue/Journal of Lake Sciences, 2021, 33, 647-652. | 0.8 | 11 |
| 349 | Oceanic Chlorophyll-a Content. Springer Remote Sensing/photogrammetry, 2014, , 171-203. | 0.4 | 6 |
| 350 | Characterization of aerosol parameters over ocean from the Ocean Color satellite sensors and AERONET-OC data. , 2017, , . | | 2 |
| 351 | Radiometric calibration of the Visible Infrared Imaging Radiometer Suite reflective solar bands with robust characterizations and hybrid calibration coefficients. Applied Optics, 2015, 54, 9331. | 2.1 | 53 |
| 352 | Progressive scheme for blending empirical ocean color retrievals of absorption coefficient and chlorophyll concentration from open oceans to highly turbid waters. Applied Optics, 2019, 58, 3359. | 1.8 | 9 |
| 353 | Multi-source high-resolution satellite products in Yangtze Estuary: cross-comparisons and impacts of signal-to-noise ratio and spatial resolution. Optics Express, 2019, 27, 6426. | 3.4 | 7 |
| 354 | Optimal satellite orbit configuration for global ocean color product coverage. Optics Express, 2019, 27, A445. | 3.4 | 17 |
| 355 | Atmospheric correction algorithm over coastal and inland waters based on the red and NIR bands: application to Landsat-8/OLI and VNREDSat-1/NAOMI observations. Optics Express, 2019, 27, 31676. | 3.4 | 4 |
| 356 | LIV-NIR approach with non-zero water-leaving radiance approximation for atmospheric correction of satellite imagery in inland and coastal zones. Optics Express, 2019, 27, A1118. | 3.4 | 15 |
| 357 | Improved atmospheric correction algorithm for Landsat 8â€œOLI data in turbid waters: a case study for the Lake Taihu, China. Optics Express, 2019, 27, A1400. | 3.4 | 9 |
| 358 | Coupled approach for radiometric calibration and parameter retrieval to improve SPM estimations in turbid inland/coastal waters. Optics Express, 2020, 28, 5567. | 3.4 | 6 |
| 359 | Atmospheric correction in coastal region using same-day observations of different sun-sensor geometries with a revised POLYMER model. Optics Express, 2020, 28, 26953. | 3.4 | 8 |
| 360 | Harnessing remote sensing to address critical science questions on ocean-atmosphere interactions. Elementa, 2018, 6, . | 3.2 | 18 |
| 361 | Measuring the effects of bivalve mariculture on water quality in northern New Zealand using 15 years of MODIS-Aqua satellite observations. Aquaculture Environment Interactions, 2018, 10, 529-545. | 1.8 | 16 |
| 362 | First insights into the oceanographic characteristics of a blue whale feeding ground in northern Patagonia, Chile. Marine Ecology - Progress Series, 2016, 554, 183-199. | 1.9 | 41 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 363 | Variability of River Plume Signature Determined Using Satellite Images. Journal of Applied Sciences, 2012, 13, 70-78. | 0.3 | 4 |
| 364 | An empirical remote sensing algorithm for retrieving total suspended matter in a large estuarine region. Scientia Marina, 2019, 83, 53. | 0.6 | 5 |
| 365 | Evaluation of Atmospheric Correction Algorithms for Landsat-8 OLI and MODIS-Aqua to Study Sediment Dynamics in the Northern Gulf of Mexico. Advances in Remote Sensing, 2018, 07, 101-124. | 0.9 | 3 |
| 366 | Material Particulado en Suspensi3n en el R3o de la Plata: importancia del r3o Bermejo en su variabilidad espacio-temporal. Revista De Teledeteccion, 2018, , 1. | 0.6 | 4 |
| 371 | Operational algae bloom detection in the Baltic Sea using GIS and AVHRR data. Baltica, 2016, 29, 3-18. | 0.3 | 7 |
| 372 | Turbid water atmospheric correction for GOCI: Modification of MUMM algorithm. Korean Journal of Remote Sensing, 2013, 29, 173-182. | 0.4 | 14 |
| 373 | A Novel Framework of Integrating UV and NIR Atmospheric Correction Algorithms for Coastal Ocean Color Remote Sensing. Remote Sensing, 2021, 13, 4206. | 4.0 | 3 |
| 374 | Patos Lagoon, Brazil, Suspended Particulate Matter (SPM) data compendium. Geoscience Data Journal, 2022, 9, 235-255. | 4.4 | 1 |
| 375 | Earth Observations. , 2010, , 17-78. | | 0 |
| 376 | Developing a Littoral Zone Aerosol Properties Retrieval using the next generation Geo-Stationary Observations. , 2016, , . | | 0 |
| 377 | Monitoring Water Quality with Remote Sensing Image Data. Taylor & Francis Series in Remote Sensing Applications, 2016, , 163-189. | 0.0 | 0 |
| 378 | Reflective solar bands calibration improvements and look up tables for SNPP VIIRS operational mission-long SDR reprocessing. , 2017, , . | | 3 |
| 379 | Comparison of aerosol models from the Ocean Color satellite sensors and AERONET-OC and their impact on reflectance spectra in coastal waters. , 2018, , . | | 0 |
| 381 | VIIRS reflective solar bands on-orbit calibration using the Moon. , 2019, , . | | 3 |
| 382 | SNPP VIIRS reflective solar bands on-orbit calibration seven-year update: extension and improvements. , 2019, , . | | 1 |
| 383 | Impact of ship on radiometric measurements in the field: a reappraisal via Monte Carlo simulations. Optics Express, 2020, 28, 1439. | 3.4 | 5 |
| 384 | Water clarity in Brazilian water assessed using Sentinel-2 and machine learning methods. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 182, 134-152. | 11.1 | 42 |
| 385 | Phytoplankton biomass dynamics in the Arabian Sea from VIIRS observations. Journal of Marine Systems, 2022, 227, 103670. | 2.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 386 | Estimating the water-leaving albedo from ocean color. Remote Sensing of Environment, 2022, 269, 112807. | 11.0 | 6 |
| 387 | Tropical instability wave modulation of chlorophyll-a in the Equatorial Pacific. Scientific Reports, 2021, 11, 22517. | 3.3 | 5 |
| 388 | Machine Learning Based Long-Term Water Quality in the Turbid Pearl River Estuary, China. Journal of Geophysical Research: Oceans, 2022, 127, . | 2.6 | 15 |
| 389 | An ensemble neural network atmospheric correction for Sentinel-3 OLCI over coastal waters providing inherent model uncertainty estimation and sensor noise propagation. Remote Sensing of Environment, 2022, 270, 112848. | 11.0 | 26 |
| 390 | Analysis and validation of ocean color and aerosol properties over coastal regions from SGLI based on a simultaneous method. Journal of Oceanography, 2022, 78, 229-243. | 1.7 | 4 |
| 391 | Atmospheric correction for HY-1C CZI images using neural network in western Pacific region. Geo-Spatial Information Science, 2022, 25, 476-488. | 5.3 | 4 |
| 392 | The River-Sea Interaction off the Amazon Estuary. Remote Sensing, 2022, 14, 1022. | 4.0 | 2 |
| 393 | Evaluation of GOCI Remote Sensing Reflectance Spectral Quality Based on a Quality Assurance Score System in the Bohai Sea. Remote Sensing, 2022, 14, 1075. | 4.0 | 2 |
| 394 | Decadal Variation and Regulation Mechanisms of the Suspended Sediment Concentration in the Bohai Sea, China. Journal of Geophysical Research: Oceans, 2022, 127, . | 2.6 | 17 |
| 395 | Global daily gap-free ocean color products from multi-satellite measurements. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102714. | 2.8 | 6 |
| 396 | Evaluation of ACOLITE atmospheric correction methods for Landsat-8 and Sentinel-2 in the Río de la Plata turbid coastal waters. International Journal of Remote Sensing, 2022, 43, 215-240. | 2.9 | 14 |
| 397 | Rising dissolved organic carbon concentrations in coastal waters of northwestern Borneo related to tropical peatland conversion. Science Advances, 2022, 8, eabi5688. | 10.3 | 15 |
| 398 | Evaluating Atmospheric Correction Algorithms Applied to OLCI Sentinel-3 Data of Chesapeake Bay Waters. Remote Sensing, 2022, 14, 1881. | 4.0 | 17 |
| 400 | Assessment of VIIRS on the Identification of Harmful Algal Bloom Types in the Coasts of the East China Sea. Remote Sensing, 2022, 14, 2089. | 4.0 | 3 |
| 401 | Remote Estimation of Water Clarity and Suspended Particulate Matter in Qinghai Lake from 2001 to 2020 Using MODIS Images. Remote Sensing, 2022, 14, 3094. | 4.0 | 7 |
| 402 | Delineation of Eastern Beaufort Sea Sub-regions Using Self-Organizing Maps Applied to 17 Years of MODIS-Aqua Data. Frontiers in Marine Science, 0, 9, . | 2.5 | 2 |
| 403 | An Artificial Neural Network Algorithm to Retrieve Chlorophyll a for Northwest European Shelf Seas from Top of Atmosphere Ocean Colour Reflectance. Remote Sensing, 2022, 14, 3353. | 4.0 | 5 |
| 404 | Evaluating the Efficacy of Five Chlorophyll-a Algorithms in Chesapeake Bay (USA) for Operational Monitoring and Assessment. Journal of Marine Science and Engineering, 2022, 10, 1104. | 2.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 405 | Remote sensing of chlorophyll-a concentrations in coastal oceans of the Greater Bay Area in China: Algorithm development and long-term changes. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102922. | 1.9 | 3 |
| 406 | What water color parameters could be mapped using MODIS land reflectance products: A global evaluation over coastal and inland waters. Earth-Science Reviews, 2022, 232, 104154. | 9.1 | 15 |
| 407 | Satellite determining dominant sources of particulate organic carbon across different eutrophic waters. Ecological Indicators, 2022, 142, 109302. | 6.3 | 3 |
| 408 | Remote sensing to detect harmful algal blooms in inland waterbodies. Science of the Total Environment, 2022, 851, 158096. | 8.0 | 6 |
| 409 | Global satellite water classification data products over oceanic, coastal, and inland waters. Remote Sensing of Environment, 2022, 282, 113233. | 11.0 | 11 |
| 410 | Automatic detection of suspected sewage discharge from coastal outfalls based on Sentinel-2 imagery. Science of the Total Environment, 2022, 853, 158374. | 8.0 | 9 |
| 411 | Satellite ocean color validation. , 2023, , 351-374. | | 0 |
| 412 | Satellite remote sensing of coastal water quality in New Zealand. New Zealand Journal of Marine and Freshwater Research, 2022, 56, 585-616. | 2.0 | 6 |
| 413 | Evaluation of seven atmospheric correction algorithms for OLCI images over the coastal waters of Qinhuangdao in Bohai Sea. Regional Studies in Marine Science, 2022, 56, 102711. | 0.7 | 3 |
| 414 | Bio-optical properties of the Brazilian Abrolhos Bank's shallow coral-reef waters. Frontiers in Remote Sensing, 0, 3, . | 3.5 | 0 |
| 415 | Development of a Deep Learning-Based Atmospheric Correction Algorithm for Oligotrophic Oceans. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19. | 6.3 | 3 |
| 416 | The Inversion of HY-1C-COCTS Ocean Color Remote Sensing Products from High-Latitude Seas. Remote Sensing, 2022, 14, 5722. | 4.0 | 3 |
| 417 | A revision of NASA SeaDAS atmospheric correction algorithm over turbid waters with artificial Neural Networks estimated remote-sensing reflectance in the near-infrared. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 194, 235-249. | 11.1 | 9 |
| 418 | Aerosol Optical Properties above Productive Waters of Gorky Reservoir for Atmospheric Correction of Sentinel-3/OLCI Images. Remote Sensing, 2022, 14, 6130. | 4.0 | 3 |
| 419 | Assessing Landsat-8 atmospheric correction schemes in low to moderate turbidity waters from a global perspective. International Journal of Digital Earth, 2023, 16, 66-92. | 3.9 | 1 |
| 420 | Real-Time and Continuous Tracking of Total Phosphorus Using a Ground-Based Hyperspectral Proximal Sensing System. Remote Sensing, 2023, 15, 507. | 4.0 | 3 |
| 421 | HY-1C/D CZI Image Atmospheric Correction and Quantifying Suspended Particulate Matter. Remote Sensing, 2023, 15, 386. | 4.0 | 2 |
| 422 | Spatiotemporal Variability of the Lake Tana Water Quality Derived from the MODIS-Based Forel-Ule Index: The Roles of Hydrometeorological and Surface Processes. Atmosphere, 2023, 14, 289. | 2.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 423 | A Novel Atmospheric Correction for Turbid Water Remote Sensing. Remote Sensing, 2023, 15, 2091. | 4.0 | 0 |
| 424 | Assessment of Estimated Phycocyanin and Chlorophyll-a Concentration from PRISMA and OLCI in Brazilian Inland Waters: A Comparison between Semi-Analytical and Machine Learning Algorithms. Remote Sensing, 2023, 15, 1299. | 4.0 | 8 |
| 425 | Satellite retrieval of the linear polarization components of the water-leaving radiance in open oceans. Optics Express, 2023, 31, 15917. | 3.4 | 1 |
| 426 | High Spatial Resolution Gap-Free Global and Regional Ocean Color Products. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-18. | 6.3 | 1 |
| 427 | An Appraisal of Atmospheric Correction and Inversion Algorithms for Mapping High-Resolution Bathymetry Over Coral Reef Waters. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-11. | 6.3 | 3 |
| 428 | Chlorophyll-Specific Absorption Coefficient of Phytoplankton in World Oceans: Seasonal and Regional Variability. Remote Sensing, 2023, 15, 2423. | 4.0 | 0 |
| 429 | Sewage treatment decreased organic carbon resources in Hong Kong waters during 1986â€“2020. Environmental Pollution, 2023, 335, 122219. | 7.5 | 0 |
| 430 | Characterization of ocean color retrievals and ocean diurnal variations using the Geostationary Ocean Color Imager (GOCI). International Journal of Applied Earth Observation and Geoinformation, 2023, 122, 103404. | 1.9 | 0 |
| 431 | DGPF-RENet: A Low Data Dependence Network With Low Training Iterations for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-21. | 6.3 | 0 |
| 432 | Global Gridded Aerosol Models Established for Atmospheric Correction Over Inland and Nearshore Coastal Waters. Journal of Geophysical Research D: Atmospheres, 2023, 128, . | 3.3 | 0 |
| 433 | Inversion diffuse attenuation coefficient of photosynthetically active radiation based on deep learning. Optics Express, 2023, 31, 37365. | 3.4 | 0 |
| 434 | Variations of suspended particulate matter concentrations of the Mackenzie River plume (Beaufort) Tj ETQq1 1 0.784314 rgBT /Overl | 5.0 | 0 |
| 435 | Biodiversity of Tehran freshwater cyanobacteria and remote sensing analysis of reservoirs. European Journal of Phycology, 0, , 1-12. | 2.0 | 0 |
| 436 | Assessment of Seven Atmospheric Correction Processors for the Sentinel-2 Multi-Spectral Imager over Lakes in Qinghai Province. Remote Sensing, 2023, 15, 5370. | 4.0 | 1 |
| 437 | A neural network-based atmospheric correction algorithm for GOCI imagery over coastal waters. IEEE Transactions on Geoscience and Remote Sensing, 2023, , 1-1. | 6.3 | 0 |
| 438 | Remote Sensing of Aerosols and Water-Leaving Radiance from Chinese FY-3/MERSI Based on a Simultaneous Method. Remote Sensing, 2023, 15, 5650. | 4.0 | 0 |
| 439 | Comparative study on transparency retrieved from GOCI under four different atmospheric correction algorithms in Jiaozhou Bay and Qingdao Coastal area. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, , 1-14. | 4.9 | 0 |
| 440 | A decade-long chlorophyll-a data record in lakes across China from VIIRS observations. Remote Sensing of Environment, 2024, 301, 113953. | 11.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 441 | Assessment of global detection capability of oceanographic lidar. Optics Communications, 2024, 556, 130273. | 2.1 | 0 |
| 442 | Variation of Satellite-Based Suspended Sediment Concentration in the Gangesâ€“Brahmaputra Estuary from 1990 to 2020. Remote Sensing, 2024, 16, 396. | 4.0 | 0 |
| 443 | Validation of satellite-derived water-leaving reflectance in contrasted French coastal waters based on HYPERNETS field measurements. Frontiers in Remote Sensing, 0, 4, . | 3.5 | 0 |
| 444 | A new combined atmospheric correction algorithm for GOCI-2 Data over coastal waters assessed by long-term satellite ocean color platforms. International Journal of Remote Sensing, 2024, 45, 1640-1657. | 2.9 | 0 |
| 445 | Atmospheric correction based on the optimal solution of aerosol mix ratio: A case study for Pearl River Estuary. Journal of Physics: Conference Series, 2024, 2718, 012016. | 0.4 | 0 |
| 446 | Spatiotemporal variation reconstruction of total phosphorus in the Great Lakes since 2002 using remote sensing and deep neural network. Water Research, 2024, 255, 121493. | 11.3 | 0 |
| 447 | Remotely sensed seasonal dynamics of an estuarine plume in the coastal zone of El RincÃ³n system (Southwestern Atlantic Ocean). Estuarine, Coastal and Shelf Science, 2024, 300, 108725. | 2.1 | 0 |
| 448 | Improving Satellite Chlorophyll-a Retrieval in the Turbid Waters of the Bay of Fundy, Canada. Estuaries and Coasts, 2024, 47, 1012-1031. | 2.2 | 0 |
| 449 | Advancing river monitoring using image-based techniques: challenges and opportunities. Hydrological Sciences Journal, 0, , 1-21. | 2.6 | 0 |