Menghua Wang

List of Publications by Year
in descending order

221	11,128	28190	32761
papers	citations	55 h-index	100 g-index

223	223	223	6177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Retrieval of water-leaving radiance and aerosol optical thickness over the oceans with SeaWiFS: a preliminary algorithm. Applied Optics, 1994, 33, 443.	2.1	1,369
2	Sensor Capability and Atmospheric Correction in Ocean Colour Remote Sensing. Remote Sensing, 2016, 8, 1.	1.8	463
3	The NIR-SWIR combined atmospheric correction approach for MODIS ocean color data processing. Optics Express, 2007, 15, 15722.	1.7	449
4	Atmospheric correction of satellite ocean color imagery: the black pixel assumption. Applied Optics, 2000, 39, 3582.	2.1	446
5	Remote sensing of the ocean contributions from ultraviolet to near-infrared using the shortwave infrared bands: simulations. Applied Optics, 2007, 46, 1535.	2.1	290
6	Uncertainties in satellite remote sensing of aerosols and impact on monitoring its long-term trend: a review and perspective. Annales Geophysicae, 2009, 27, 2755-2770.	0.6	290
7	Evaluation of MODIS SWIR and NIR-SWIR atmospheric correction algorithms using SeaBASS data. Remote Sensing of Environment, 2009, 113, 635-644.	4.6	268
8	Estimation of ocean contribution at the MODIS near-infrared wavelengths along the east coast of the U.S.: Two case studies. Geophysical Research Letters, 2005, 32, .	1.5	215
9	Water property monitoring and assessment for China's inland Lake Taihu from MODIS-Aqua measurements. Remote Sensing of Environment, 2011, 115, 841-854.	4.6	194
10	Correction of sun glint contamination on the SeaWiFS ocean and atmosphere products. Applied Optics, 2001, 40, 4790.	2.1	193
11	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
12	Influence of oceanic whitecaps on atmospheric correction of ocean-color sensors. Applied Optics, 1994, 33, 7754.	2.1	174
13	An assessment of the black ocean pixel assumption for MODIS SWIR bands. Remote Sensing of Environment, 2009, 113, 1587-1597.	4.6	157
14	Satellite Ocean Colour: Current Status and Future Perspective. Frontiers in Marine Science, 2019, 6, .	1.2	156
15	Surface-roughness considerations for atmospheric correction of ocean color sensors 1: The Rayleigh-scattering component. Applied Optics, 1992, 31, 4247.	2.1	137
16	Cloud Masking for Ocean Color Data Processing in the Coastal Regions. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 3196-3105.	2.7	131
17	Satellite views of the Bohai Sea, Yellow Sea, and East China Sea. Progress in Oceanography, 2012, 104, 30-45.	1.5	123
18	Impacts of VIIRS SDR performance on ocean color products. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,347.	1.2	123

#	Article	IF	Citations
19	State of the Climate in 2011. Bulletin of the American Meteorological Society, 2012, 93, S1-S282.	1.7	121
20	The United States' Next Generation of Atmospheric Composition and Coastal Ecosystem Measurements: NASA's Geostationary Coastal and Air Pollution Events (GEO-CAPE) Mission. Bulletin of the American Meteorological Society, 2012, 93, 1547-1566.	1.7	118
21	MODIS-derived ocean color products along the China east coastal region. Geophysical Research Letters, 2007, 34, .	1.5	117
22	A simple, moderately accurate, atmospheric correction algorithm for SeaWiFS. Remote Sensing of Environment, 1994, 50, 231-239.	4.6	115
23	Study of the Sea-Viewing Wide Field-of-View Sensor (SeaWiFS) aerosol optical property data over ocean in combination with the ocean color products. Journal of Geophysical Research, 2005, 110, .	3.3	108
24	Green macroalgae blooms in the Yellow Sea during the spring and summer of 2008. Journal of Geophysical Research, 2009, 114, .	3.3	105
25	Maritime aerosol optical thickness measured by handheld sun photometers. Remote Sensing of Environment, 2004, 93, 87-106.	4.6	104
26	Evaluation of sun glint models using MODIS measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 492-506.	1.1	104
27	Calibration of SeaWiFS II Vicarious techniques. Applied Optics, 2001, 40, 6701.	2.1	99
28	Observations of a Hurricane Katrina-induced phytoplankton bloom in the Gulf of Mexico. Geophysical Research Letters, 2007, 34, .	1.5	98
29	Atmospheric correction using near-infrared bands for satellite ocean color data processing in the turbid western Pacific region. Optics Express, 2012, 20, 741.	1.7	98
30	The Rayleigh lookup tables for the SeaWiFS data processing: Accounting for the effects of ocean surface roughness. International Journal of Remote Sensing, 2002, 23, 2693-2702.	1.3	95
31	Aerosol Radiative Forcing Derived from SeaWiFS-Retrieved Aerosol Optical Properties. Journals of the Atmospheric Sciences, 2002, 59, 748-757.	0.6	95
32	Satellite observations of the seasonal sediment plume in central East China Sea. Journal of Marine Systems, 2010, 82, 280-285.	0.9	89
33	Ocean color products from the Korean Geostationary Ocean Color Imager (GOCI). Optics Express, 2013, 21, 3835.	1.7	87
34	Detection of turbid waters and absorbing aerosols for the MODIS ocean color data processing. Remote Sensing of Environment, 2007, 110, 149-161.	4.6	84
35	VIIRS-derived chlorophyll-a using the ocean color index method. Remote Sensing of Environment, 2016, 182, 141-149.	4.6	84
36	Intercomparison of satellite retrieved aerosol optical depth over ocean during the period September 1997 to December 2000. Atmospheric Chemistry and Physics, 2005, 5, 1697-1719.	1.9	82

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37	Effects of ocean surface reflectance variation with solar elevation on normalized water-leaving radiance. Applied Optics, 2006, 45, 4122.	2.1	82
38	Water properties in Chesapeake Bay from MODIS-Aqua measurements. Remote Sensing of Environment, 2012, 123, 163-174.	4.6	80
39	Evaluation of the VIIRS ocean color monitoring performance in coastal regions. Remote Sensing of Environment, 2013, 139, 398-414.	4.6	78
40	A Sensitivity Study of the SeaWiFS Atmospheric Correction Algorithm Effects of Spectral Band Variations. Remote Sensing of Environment, 1999, 67, 348-359.	4.6	77
41	A refinement for the Rayleigh radiance computation with variation of the atmospheric pressure. International Journal of Remote Sensing, 2005, 26, 5651-5663.	1.3	77
42	Comparing the ocean color measurements between MOS and SeaWiFS: a vicarious intercalibration approach for MOS. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 184-197.	2.7	76
43	Satellite observations of floodâ€driven Mississippi River plume in the spring of 2008. Geophysical Research Letters, 2009, 36, .	1.5	74
44	Characterization of global ocean turbidity from Moderate Resolution Imaging Spectroradiometer ocean color observations. Journal of Geophysical Research, 2010, 115, .	3.3	74
45	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.	4.6	73
46	System vicarious calibration for ocean color climate change applications: Requirements for in situ data. Remote Sensing of Environment, 2015, 159, 361-369.	4.6	71
47	Improved near-infrared ocean reflectance correction algorithm for satellite ocean color data processing. Optics Express, 2014, 22, 21657.	1.7	68
48	Stormwater plume detection by MODIS imagery in the southern California coastal ocean. Estuarine, Coastal and Shelf Science, 2008, 80, 141-152.	0.9	64
49	Satelliteâ€Observed Algae Blooms in China's Lake Taihu. Eos, 2008, 89, 201-202.	0.1	64
50	Visible Infrared Imaging Radiometer Suite solar diffuser calibration and its challenges using a solar diffuser stability monitor. Applied Optics, 2014, 53, 8571.	2.1	63
51	Calibration of ocean color scanners: how much error is acceptable in the near infrared?. Remote Sensing of Environment, 2002, 82, 497-504.	4.6	62
52	An empirical algorithm to seamlessly retrieve the concentration of suspended particulate matter from water color across ocean to turbid river mouths. Remote Sensing of Environment, 2019, 235, 111491.	4.6	62
53	Ocean-color optical property data derived from the Japanese Ocean Color and Temperature Scanner and the French Polarization and Directionality of the Earthâ€™s Reflectances: a comparison study. Applied Optics, 2002, 41, 974.	2.1	61
54	A study of a Hurricane Katrinaâ€“induced phytoplankton bloom using satellite observations and model simulations. Journal of Geophysical Research, 2009, 114, .	3.3	58

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55	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
56	Ocean reflectance spectra at the red, nearâ€infrared, and shortwave infrared from highly turbid waters: A study in the Bohai Sea, Yellow Sea, and East China Sea. Limnology and Oceanography, 2014, 59, 427-444.	1.6	57
57	Diffuse attenuation coefficient of the photosynthetically available radiation Kd(PAR) for global open ocean and coastal waters. Remote Sensing of Environment, 2015, 159, 250-258.	4.6	54
58	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.	1.8	53
59	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
60	In search of floating algae and other organisms in global oceans and lakes. Remote Sensing of Environment, 2020, 239, 111659.	4.6	52
61	Estimating aerosol optical properties over the oceans with the multiangle imaging spectroadiometer: some preliminary studies. Applied Optics, 1994, 33, 4042.	2.1	51
62	Atmospheric Correction Using the Information From the Short Blue Band. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6224-6237.	2.7	51
63	Gap Filling of Missing Data for VIIRS Global Ocean Color Products Using the DINEOF Method. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4464-4476.	2.7	50
64	Retrieval of the columnar aerosol phase function and single-scattering albedo from sky radiance over the ocean: simulations. Applied Optics, 1993, 32, 4598.	2.1	48
65	Sensor Noise Effects of the SWIR Bands on MODIS-Derived Ocean Color Products. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3280-3292.	2.7	47
66	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.	1.0	47
67	Radiance reflected from the oceanâ€“atmosphere system: synthesis from individual components of the aerosol size distribution. Applied Optics, 1994, 33, 7088.	2.1	46
68	Characterization of turbidity in Florida's Lake Okeechobee and Caloosahatchee and St. Lucie Estuaries using MODIS-Aqua measurements. Water Research, 2012, 46, 5410-5422.	5.3	46
69	Effects of spectral bandpass on SeaWiFS-retrieved near-surface optical properties of the ocean. Applied Optics, 2001, 40, 343.	2.1	42
70	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
71	NIR- and SWIR-based on-orbit vicarious calibrations for satellite ocean color sensors. Optics Express, 2016, 24, 20437.	1.7	42
72	Monitoring Coral Reefs from Space. Oceanography, 2010, 23, 118-133.	0.5	41

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73	Remote Sensing of Water Optical Property for China's Inland Lake Taihu Using the SWIR Atmospheric Correction With 1640 and 2130 nm Bands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2505-2516.	2.3	41
74	Atmospheric correction of ocean color sensors: computing atmospheric diffuse transmittance. Applied Optics, 1999, 38, 451.	2.1	40
75	Sea ice properties in the Bohai Sea measured by MODIS-Aqua: 2. Study of sea ice seasonal and interannual variability. Journal of Marine Systems, 2012, 95, 41-49.	0.9	39
76	Threeâ€dimensional observations from MODIS and CALIPSO for ocean responses to cyclone Nargis in the Gulf of Martaban. Geophysical Research Letters, 2008, 35, .	1.5	38
77	Longâ€term hydrological changes of the Aral Sea observed by satellites. Journal of Geophysical Research: Oceans, 2014, 119, 3313-3326.	1.0	38
78	Aerosol polarization effects on atmospheric correction and aerosol retrievals in ocean color remote sensing. Applied Optics, 2006, 45, 8951.	2.1	37
79	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.	2.7	37
80	VIIRS Reflective Solar Bands Calibration Progress and Its Impact on Ocean Color Products. Remote Sensing, 2016, 8, 194.	1.8	37
81	Degradation nonuniformity in the solar diffuser bidirectional reflectance distribution function. Applied Optics, 2016, 55, 6001.	2.1	37
82	Satellite observations of optical and biological properties in the Korean dump site of the Yellow Sea. Remote Sensing of Environment, 2011, 115, 562-572.	4.6	36
83	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.	4.6	36
84	On-orbit characterization of the VIIRS solar diffuser and solar diffuser screen. Applied Optics, 2015, 54, 236.	0.9	36
85	Sea ice properties in the Bohai Sea measured by MODIS-Aqua: 1. Satellite algorithm development. Journal of Marine Systems, 2012, 95, 32-40.	0.9	35
86	Identification of pixels with stray light and cloud shadow contaminations in the satellite ocean color data processing. Applied Optics, 2013, 52, 6757.	0.9	35
87	Surface-roughness considerations for atmospheric correction of ocean color sensors II: Error in the retrieved water-leaving radiance. Applied Optics, 1992, 31, 4261.	2.1	34
88	Satellite-measured net primary production in the Chesapeake Bay. Remote Sensing of Environment, 2014, 144, 109-119.	4.6	34
89	Eutrophication state in the Eastern China based on Landsat 35-year observations. Remote Sensing of Environment, 2022, 277, 113057.	4.6	34
90	Global Estimation of Suspended Particulate Matter From Satellite Ocean Color Imagery. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017303.	1.0	33

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91	Rayleigh radiance computations for satellite remote sensing: accounting for the effect of sensor spectral response function. Optics Express, 2016, 24, 12414.	1.7	31
92	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.	1.8	31
93	Shallow water bathymetry with multi-spectral satellite ocean color sensors: Leveraging temporal variation in image data. Remote Sensing of Environment, 2020, 250, 112035.	4.6	31
94	Destriping algorithm for improved satellite-derived ocean color product imagery. Optics Express, 2014, 22, 28058.	1.7	30
95	Correction of Rayleigh scattering effects in cloud optical thickness retrievals. Journal of Geophysical Research, 1997, 102, 25915-25926.	3.3	29
96	Statistical evaluation of satellite ocean color data retrievals. Remote Sensing of Environment, 2020, 237, 111601.	4.6	29
97	SeaWiFS provides unique global aerosol optical property data. Eos, 2000, 81, 197.	0.1	28
98	Analysis of ocean diurnal variations from the Korean Geostationary Ocean Color Imager measurements using the DINEOF method. Estuarine, Coastal and Shelf Science, 2016, 180, 230-241.	0.9	27
99	A blended inherent optical property algorithm for global satellite ocean color observations. Limnology and Oceanography: Methods, 2019, 17, 377-394.	1.0	27
100	VIIRS-derived ocean color product using the imaging bands. Remote Sensing of Environment, 2018, 206, 275-286.	4.6	24
101	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.	1.4	24
102	Improving low-quality satellite remote sensing reflectance at blue bands over coastal and inland waters. Remote Sensing of Environment, 2020, 250, 112029.	4.6	24
103	NOAA-NASA Coastal Zone Color Scanner Reanalysis Effort. Applied Optics, 2002, 41, 1615.	2.1	23
104	A biological Indian Ocean Dipole event in 2019. Scientific Reports, 2021, 11, 2452.	1.6	23
105	Tidal effects on ecosystem variability in the Chesapeake Bay from MODIS-Aqua. Remote Sensing of Environment, 2013, 138, 65-76.	4.6	21
106	Radiometric calibration of ocean color satellite sensors using AERONET-OC data. Optics Express, 2014, 22, 23385.	1.7	21
107	Investigation of the Electronic Crosstalk in Terra MODIS Band 28. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5722-5733.	2.7	20
108	Extending satellite ocean color remote sensing to the near-blue ultraviolet bands. Remote Sensing of Environment, 2021, 253, 112228.	4.6	20

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109	Sensor performance requirements for atmospheric correction of satellite ocean color remote sensing. Optics Express, 2018, 26, 7390.	1.7	19
110	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.	2.7	18
111	Interactive Online Maps Make Satellite Ocean Data Accessible. Eos, 2018, 99, .	0.1	18
112	Environmental Responses to a Land Reclamation Project in South Korea. Eos, 2009, 90, 398-399.	0.1	17
113	Satellite observations of asymmetrical physical and biological responses to Hurricane Earl. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	17
114	Electronic Crosstalk in Aqua MODIS Long-Wave Infrared Photovoltaic Bands. Remote Sensing, 2016, 8, 806.	1.8	17
115	Satellite-measured water properties in high altitude Lake Tahoe. Water Research, 2020, 178, 115839.	5.3	17
116	Optimal satellite orbit configuration for global ocean color product coverage. Optics Express, 2019, 27, A445.	1.7	17
117	Light scattering from the spherical-shell atmosphere: Earth curvature effects measured by SeaWiFS. Eos, 2003, 84, 529.	0.1	16
118	Characterization of Particle Backscattering of Global Highly Turbid Waters From VIIRS Ocean Color Observations. Journal of Geophysical Research: Oceans, 2017, 122, 9255-9275.	1.0	16
119	Global Water Clarity: Continuing a Century-Long Monitoring. Eos, 2018, 99, .	0.1	16
120	Validation study of the SeaWiFS oxygen A-band absorption correction: comparing the retrieved cloud optical thicknesses from SeaWiFS measurements. Applied Optics, 1999, 38, 937.	2.1	15
121	Evaluation of VIIRS ocean color products. Proceedings of SPIE, 2014, , .	0.8	15
122	VIIRS-Derived Water Turbidity in the Great Lakes. Remote Sensing, 2019, 11, 1448.	1.8	15
123	Inherent Optical Properties in Lake Taihu Derived from VIIRS Satellite Observations. Remote Sensing, 2019, 11, 1426.	1.8	15
124	Extrapolation of the aerosol reflectance from the near-infrared to the visible: the single-scattering epsilon vs multiple-scattering epsilon method. International Journal of Remote Sensing, 2004, 25, 3637-3650.	1.3	14
125	Longâ€term drift induced by the electronic crosstalk in Terra MODIS Band 29. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9944-9954.	1.2	14
126	Investigation and Mitigation of the Crosstalk Effect in Terra MODIS Band 30. Remote Sensing, 2016, 8, 249.	1.8	14

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127	Characterization of Suspended Particle Size Distribution in Global Highly Turbid Waters From VIIRS Measurements. Journal of Geophysical Research: Oceans, 2019, 124, 3796-3817.	1.0	14
128	On-orbit characterization of the VIIRS solar diffuser and attenuation screens for NOAA-20 using yaw measurements. Applied Optics, 2018, 57, 6605.	0.9	14
129	An efficient method for multiple radiative transfer computations and the lookup table generation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 78, 471-480.	1.1	12
130	VIIRS ocean color products: A progress update. , 2016, , .		12
131	Diurnal Currents in the Bohai Sea Derived From the Korean Geostationary Ocean Color Imager. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1437-1450.	2.7	12
132	Deriving consistent ocean biological and biogeochemical products from multiple satellite ocean color sensors. Optics Express, 2020, 28, 2661.	1.7	12
133	River runoff effect on the suspended sediment property in the upper <scp>C</scp>hesapeake <scp>B</scp>ay using <scp>MODIS</scp> observations and <scp>ROMS</scp> simulations. Journal of Geophysical Research: Oceans, 2014, 119, 8646-8661.	1.0	11
134	Technique for monitoring performance of VIIRS reflective solar bands for ocean color data processing. Optics Express, 2015, 23, 14446.	1.7	11
135	Suomi National Polar-Orbiting Partnership Visible Infrared Imaging Radiometer Suite polarization sensitivity analysis. Applied Optics, 2016, 55, 7645.	2.1	11
136	Super-Resolution of VIIRS-Measured Ocean Color Products Using Deep Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 114-127.	2.7	11
137	Decadal changes of water properties in the Aral Sea observed by MODIS-Aqua. Journal of Geophysical Research: Oceans, 2015, 120, 4687-4708.	1.0	10
138	VIIRS ocean color research and applications. , 2015, , .		10
139	Water Quality Properties Derived from VIIRS Measurements in the Great Lakes. Remote Sensing, 2020, 12, 1605.	1.8	10
140	Satellite-derived global chlorophyll-a anomaly products. International Journal of Applied Earth Observation and Geoinformation, 2021, 97, 102288.	1.4	10
141	Honing in on bioluminescent milky seas from space. Scientific Reports, 2021, 11, 15443.	1.6	10
142	Experimental analysis of the measurement precision of spectral water-leaving radiance in different water types. Optics Express, 2021, 29, 2780.	1.7	10
143	Phytoplankton biomass dynamics in the Arabian Sea from VIIRS observations. Journal of Marine Systems, 2022, 227, 103670.	0.9	10
144	Satellite observations of environmental changes from the Tonga volcano eruption in the southern tropical Pacific. International Journal of Remote Sensing, 2011, 32, 5785-5796.	1.3	9

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145	Crosstalk effect mitigation in black body warmâ€up coolâ€down calibration for Terra MODIS longwave infrared photovoltaic bands. Journal of Geophysical Research D: Atmospheres, 2016, 121, 8311-8328.	1.2	9
146	Out-of-band effects of satellite ocean color sensors. Applied Optics, 2016, 55, 2312.	2.1	9
147	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.	0.5	9
148	Solution of radiative transfer in anisotropic plane-parallel atmosphere. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 83, 555-577.	1.1	8
149	Estimation of aerosol columnar size distribution and optical thickness from the angular distribution of radiance exiting the atmosphere: simulations. Applied Optics, 1995, 34, 6989.	2.1	7
150	Satellite-observed biological variability in the equatorial Pacific during the 2009â€“2011 ENSO cycle. Advances in Space Research, 2014, 54, 1913-1923.	1.2	7
151	Ocean Dynamics Observed by VIIRS Day/Night Band Satellite Observations. Remote Sensing, 2018, 10, 76.	1.8	7
152	Optimized calibration methodology of VIIRS day-night band low-gain stage using a solar diffuser. Applied Optics, 2017, 56, 4433.	2.1	7
153	Ice Detection for Satellite Ocean Color Data Processing in the Great Lakes. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6793-6804.	2.7	6
154	Crosstalk Effect in SNPP VIIRS. Remote Sensing, 2017, 9, 344.	1.8	6
155	Global land mask for satellite ocean color remote sensing. Remote Sensing of Environment, 2021, 257, 112356.	4.6	6
156	Global clear sky near-surface imagery from multiple satellite daily imagery time series. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 180, 238-254.	4.9	6
157	Suomi-NPP VIIRS initial reprocessing improvements and validations in the reflective solar bands (RSBs). , 2017, , .		6
158	Estimating the water-leaving albedo from ocean color. Remote Sensing of Environment, 2022, 269, 112807.	4.6	6
159	Global daily gap-free ocean color products from multi-satellite measurements. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102714.	1.4	6
160	VIIRS reflective solar bands on-orbit calibration and performance: a three-year update. , 2014, , .		5
161	Electronic crosstalk in Terra MODIS thermal emissive bands. Proceedings of SPIE, 2015, , .	0.8	5
162	Water properties in the La Plata River Estuary from VIIRS observations. Continental Shelf Research, 2020, 198, 104100.	0.9	5

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163	Tropical instability wave modulation of chlorophyll-a in the Equatorial Pacific. Scientific Reports, 2021, 11, 22517.	1.6	5
164	Correction of artifacts in the SeaWiFS atmospheric correction: removing discontinuity in the derived products. Remote Sensing of Environment, 2003, 84, 603-611.	4.6	4
165	An Efficient Approach for VIIRS RDR to SDR Data Processing. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2037-2041.	1.4	4
166	Bering Sea optical and biological properties from MODIS. Remote Sensing of Environment, 2015, 163, 240-252.	4.6	4
167	SeaPRISM observations in the western basin of Lake Erie in the summer of 2016. Journal of Great Lakes Research, 2019, 45, 547-555.	0.8	4
168	Water property in high-altitude Qinghai Lake in China. Science of Remote Sensing, 2020, 2, 100012.	2.2	4
169	Biological dipole mode indices: New parameters to characterize the physical and biological processes of the Indian Ocean Dipole event. Progress in Oceanography, 2022, 206, 102847.	1.5	4
170	Calibration of SeaWiFS on orbit. , 2000, 4135, 281.		3
171	Ocean Color products from Visible Infared Imager Radiometer Suite (VIIRS). , 2012, , .		3
172	Observations of ocean diurnal variations from the Korean geostationary ocean color imager (GOCI). Proceedings of SPIE, 2014, , .	0.8	3
173	Radiometric evaluation of the SNPP VIIRS reflective solar band sensor data records via inter-sensor comparison with Aqua MODIS. Proceedings of SPIE, 2016, , .	0.8	3
174	Filling the Gaps in Ocean Maps. Eos, 2019, 100, .	0.1	3
175	Reflective solar bands calibration improvements and look up tables for SNPP VIIRS operational mission-long SDR reprocessing. , 2017, , .		3
176	NOAA-20 VIIRS polarization effect and its correction. Applied Optics, 2019, 58, 6655.	0.9	3
177	Hurricane-Induced Phytoplankton Blooms: Satellite Observations and Numerical Model Simulations. , 0, , .		2
178	Evaluation of VIIRS ocean color data using measurements from the AERONET-OC sites. , 2013, , .		2
179	Electronic crosstalk correction for terra long wave infrared photovoltaic bands. , 2014, , .		2
180	Radiometric Evaluation of SNPP VIIRS Band M11 via Sub-Kilometer Intercomparison with Aqua MODIS Band 7 over Snowy Scenes. Remote Sensing, 2018, 10, 413.	1.8	2

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181	Visible Infrared Imaging Radiometer Suite reflective solar bands on-orbit calibration using solar diffuser illuminated by scattered light through the nadir port. Applied Optics, 2018, 57, 1273.	0.9	2
182	Satellite Remote Sensing of Herring (Clupea pallasii) Spawning Events: A Case Study in the Strait of Georgia. Geophysical Research Letters, 2021, 48, e2020GL092126.	1.5	2
183	Crosstalk effect and its mitigation in Aqua MODIS middle wave infrared bands. , 2017, , .		2
184	In-orbit vicarious calibration for ocean color and aerosol products. , 0, , .		1
185	Sea ice optical properties in the Bohai Sea measured by MODIS-Aqua. , 2010, , .		1
186	Evaluation of ocean color data processing schemes for VIIRS sensor using in-situ data of coastal AERONET-OC sites. Proceedings of SPIE, 2013, , .	0.8	1
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