

Menghua Wang

List of Publications by Year in descending order

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221
papers

11,128
citations

28190

55
h-index

32761

100
g-index

223
all docs

223
docs citations

223
times ranked

6177
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Optical Property of High-Altitude Lakes in the Tibetan Plateau. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	0
2	Phytoplankton biomass dynamics in the Arabian Sea from VIIRS observations. Journal of Marine Systems, 2022, 227, 103670.	0.9	10
3	Estimating the water-leaving albedo from ocean color. Remote Sensing of Environment, 2022, 269, 112807.	4.6	6
4	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
5	Eutrophication state in the Eastern China based on Landsat 35-year observations. Remote Sensing of Environment, 2022, 277, 113057.	4.6	34
6	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
7	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
8	Extending satellite ocean color remote sensing to the near-blue ultraviolet bands. Remote Sensing of Environment, 2021, 253, 112228.	4.6	20
9	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
10	Global land mask for satellite ocean color remote sensing. Remote Sensing of Environment, 2021, 257, 112356.	4.6	6
11	Deriving VIIRS High-Spatial Resolution Water Property Data over Coastal and Inland Waters Using Deep Convolutional Neural Network. Remote Sensing, 2021, 13, 1944.	1.8	0
12	Satellite-derived global chlorophyll-a anomaly products. International Journal of Applied Earth Observation and Geoinformation, 2021, 97, 102288.	1.4	10
13	Experimental analysis of the measurement precision of spectral water-leaving radiance in different water types: reply. Optics Express, 2021, 29, 19218.	1.7	1
14	Honing in on bioluminescent milky seas from space. Scientific Reports, 2021, 11, 15443.	1.6	10
15	Global Estimation of Suspended Particulate Matter From Satellite Ocean Color Imagery. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017303.	1.0	33
16	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
17	Experimental analysis of the measurement precision of spectral water-leaving radiance in different water types. Optics Express, 2021, 29, 2780.	1.7	10
18	A biological Indian Ocean Dipole event in 2019. Scientific Reports, 2021, 11, 2452.	1.6	23

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19	Tropical instability wave modulation of chlorophyll-a in the Equatorial Pacific. Scientific Reports, 2021, 11, 22517.	1.6	5
20	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
21	Statistical evaluation of satellite ocean color data retrievals. Remote Sensing of Environment, 2020, 237, 111601.	4.6	29
22	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
23	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
24	Water property in high-altitude Qinghai Lake in China. Science of Remote Sensing, 2020, 2, 100012.	2.2	4
25	Water Quality Properties Derived from VIIRS Measurements in the Great Lakes. Remote Sensing, 2020, 12, 1605.	1.8	10
26	The Two-Year Radiometric Evaluation of Sentinel-3A OLCI via Intersensor Comparison With SNPP VIIRS. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4494-4500.	2.7	1
27	In search of floating algae and other organisms in global oceans and lakes. Remote Sensing of Environment, 2020, 239, 111659.	4.6	52
28	Water properties in the La Plata River Estuary from VIIRS observations. Continental Shelf Research, 2020, 198, 104100.	0.9	5
29	Satellite-measured water properties in high altitude Lake Tahoe. Water Research, 2020, 178, 115839.	5.3	17
30	Deriving consistent ocean biological and biogeochemical products from multiple satellite ocean color sensors. Optics Express, 2020, 28, 2661.	1.7	12
31	A blended inherent optical property algorithm for global satellite ocean color observations. Limnology and Oceanography: Methods, 2019, 17, 377-394.	1.0	27
32	New On-Orbit Calibration Approach of SNPP VIIRS Reflective Solar Bands Using the Full Profile of Direct Solar Illumination of Solar Diffuser. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7704-7717.	2.7	1
33	Crosstalk Effect and Its Mitigation in Aqua MODIS Middle-Wave Infrared Bands. Earth and Space Science, 2019, 6, 698-715.	1.1	0
34	VIIRS-Derived Water Turbidity in the Great Lakes. Remote Sensing, 2019, 11, 1448.	1.8	15
35	Satellite Ocean Colour: Current Status and Future Perspective. Frontiers in Marine Science, 2019, 6, .	1.2	156
36	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

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37	Inherent Optical Properties in Lake Taihu Derived from VIIRS Satellite Observations. Remote Sensing, 2019, 11, 1426.	1.8	15
38	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
39	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
40	VIIRS-Derived Inherent Optical Property Data over Global Coastal and Inland Waters Using the NIR-based Approach. , 2019, , .		1
41	Multi-Sensor Ocean Color Data Fusion and Applications. , 2019, , .		0
42	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
43	Filling the Gaps in Ocean Maps. Eos, 2019, 100, .	0.1	3
44	Optimal satellite orbit configuration for global ocean color product coverage. Optics Express, 2019, 27, A445.	1.7	17
45	NOAA-20 VIIRS polarization effect and its correction. Applied Optics, 2019, 58, 6655.	0.9	3
46	On-orbit calibration performance of Sentinel-3A OLCI referencing to SNPP VIIRS: 2-year result. , 2019, , .		0
47	The continual evaluation of NOAA-20 VIIRS RSB radiometric performance using intercomparison with Aqua MODIS. , 2019, , .		0
48	VIIRS-derived ocean color product using the imaging bands. Remote Sensing of Environment, 2018, 206, 275-286.	4.6	24
49	Assessing the Potential Benefits of the Geostationary Vantage Point for Generating Daily Chlorophyll-a Maps in the Baltic Sea. Remote Sensing, 2018, 10, 1944.	1.8	0
50	JPSS VIIRS Ocean Color Products and Applications. , 2018, , .		1
51	Ocean Dynamics Observed by VIIRS Day/Night Band Satellite Observations. Remote Sensing, 2018, 10, 76.	1.8	7
52	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
53	Sensor performance requirements for atmospheric correction of satellite ocean color remote sensing. Optics Express, 2018, 26, 7390.	1.7	19
54	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

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55	Radiometric Evaluation of SNPP VIIRS Band M11 via Sub-Kilometer Intercomparison with Aqua MODIS Band 7 over Snowy Scenes. <i>Remote Sensing</i> , 2018, 10, 413.	1.8	2
56	Visible Infrared Imaging Radiometer Suite reflective solar bands on-orbit calibration using solar diffuser illuminated by scattered light through the nadir port. <i>Applied Optics</i> , 2018, 57, 1273.	0.9	2
57	Performance Evaluation of On-Orbit Calibration of SNPP VIIRS Reflective Solar Bands via Intersensor Comparison with Aqua MODIS. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 385-403.	0.5	9
58	Atmospheric Correction Using the Information From the Short Blue Band. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 6224-6237.	2.7	51
59	Interactive Online Maps Make Satellite Ocean Data Accessible. <i>Eos</i> , 2018, 99, .	0.1	18
60	Global Water Clarity: Continuing a Century-Long Monitoring. <i>Eos</i> , 2018, 99, .	0.1	16
61	On-orbit characterization of the VIIRS solar diffuser and attenuation screens for NOAA-20 using yaw measurements. <i>Applied Optics</i> , 2018, 57, 6605.	0.9	14
62	SNPP VIIRS reflective solar bands on-orbit calibration six-year update: extension and improvements. , 2018, , .		0
63	Evaluation of early NOAA-20 VIIRS RSB radiometric performance using intercomparison with Aqua MODIS. , 2018, , .		0
64	On-orbit RSB calibration of SNPP VIIRS using the full illumination profile of solar diffuser. , 2018, , .		0
65	NOAA-20 VIIRS on-orbit calibration and characterization using the Moon. , 2018, , .		1
66	NOAA-20 VIIRS reflective solar bands on-orbit calibration using solar diffuser and solar diffuser stability monitor. , 2018, , .		1
67	Requirement of minimal signal-to-noise ratios of ocean color sensors and uncertainties of ocean color products. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 2595-2611.	1.0	47
68	Diurnal Currents in the Bohai Sea Derived From the Korean Geostationary Ocean Color Imager. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1437-1450.	2.7	12
69	Characterization of Particle Backscattering of Global Highly Turbid Waters From VIIRS Ocean Color Observations. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 9255-9275.	1.0	16
70	Ice Detection for Satellite Ocean Color Data Processing in the Great Lakes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 6793-6804.	2.7	6
71	VIIRS mission-long ocean color data reprocessing: Evaluations of data product and sensor performance. , 2017, , .		1
72	Applications of satellite ocean color products. , 2017, , .		0

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73	Crosstalk Effect in SNPP VIIRS. Remote Sensing, 2017, 9, 344.	1.8	6
74	Suomi-NPP VIIRS initial reprocessing improvements and validations in the reflective solar bands (RSBs). , 2017, , .		6
75	Optimized calibration methodology of VIIRS day-night band low-gain stage using a solar diffuser. Applied Optics, 2017, 56, 4433.	2.1	7
76	Crosstalk effect and its mitigation in Aqua MODIS middle wave infrared bands. , 2017, , .		2
77	The inter-sensor radiometric comparison of SNPP VIIRS reflective solar bands with Aqua MODIS updated through June 2017. , 2017, , .		0
78	Reflective solar bands calibration improvements and look up tables for SNPP VIIRS operational mission-long SDR reprocessing. , 2017, , .		3
79	The curious case of the intersensor radiometric comparison of SNPP VIIRS M11 with Aqua MODIS B7. , 2017, , .		0
80	RSB calibration of SNPP VIIRS using solar diffuser illuminated by scattered light. , 2017, , .		0
81	Sensor Capability and Atmospheric Correction in Ocean Colour Remote Sensing. Remote Sensing, 2016, 8, 1.	1.8	463
82	Suomi National Polar-Orbiting Partnership Visible Infrared Imaging Radiometer Suite polarization sensitivity analysis. Applied Optics, 2016, 55, 7645.	2.1	11
83	VIIRS Reflective Solar Bands Calibration Progress and Its Impact on Ocean Color Products. Remote Sensing, 2016, 8, 194.	1.8	37
84	Investigation and Mitigation of the Crosstalk Effect in Terra MODIS Band 30. Remote Sensing, 2016, 8, 249.	1.8	14
85	Electronic Crosstalk in Aqua MODIS Long-Wave Infrared Photovoltaic Bands. Remote Sensing, 2016, 8, 806.	1.8	17
86	Crosstalk effect mitigation in black body warmâ€p coolâ€down calibration for Terra MODIS longwave infrared photovoltaic bands. Journal of Geophysical Research D: Atmospheres, 2016, 121, 8311-8328.	1.2	9
87	High-resolution shipboard measurements of phytoplankton: a way forward for enhancing the utility of satellite SST and chlorophyll for mapping microscale features and frontal zones in coastal waters. , 2016, , .		1
88	VIIRS ocean color products: A progress update. , 2016, , .		12
89	An exposition on the solar diffuser degradation non-uniformity effect for SNPP VIIRS and Terra/Aqua MODIS. , 2016, , .		1
90	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

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91	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
92	Degradation nonuniformity in the solar diffuser bidirectional reflectance distribution function. Applied Optics, 2016, 55, 6001.	2.1	37
93	NIR- and SWIR-based on-orbit vicarious calibrations for satellite ocean color sensors. Optics Express, 2016, 24, 20437.	1.7	42
94	VIIRS reflective solar bands on-orbit calibration five-year update: extension and improvements. Proceedings of SPIE, 2016, , .	0.8	0
95	VIIRS-derived chlorophyll-a using the ocean color index method. Remote Sensing of Environment, 2016, 182, 141-149.	4.6	84
96	Rayleigh radiance computations for satellite remote sensing: accounting for the effect of sensor spectral response function. Optics Express, 2016, 24, 12414.	1.7	31
97	Out-of-band effects of satellite ocean color sensors. Applied Optics, 2016, 55, 2312.	2.1	9
98	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
99	VIIRS reflective solar bands on-orbit calibration using the moon. , 2015, , .		0
100	Long-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
101	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
102	VIIRS reflective solar bands on-orbit calibration using solar diffuser and solar diffuser stability monitor. , 2015, , .		0
103	VIIRS ocean color research and applications. , 2015, , .		10
104	Bering Sea optical and biological properties from MODIS. Remote Sensing of Environment, 2015, 163, 240-252.	4.6	4
105	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
106	Technique for monitoring performance of VIIRS reflective solar bands for ocean color data processing. Optics Express, 2015, 23, 14446.	1.7	11
107	Electronic crosstalk in Terra MODIS thermal emissive bands. Proceedings of SPIE, 2015, , .	0.8	5
108	On-orbit characterization of the VIIRS solar diffuser and solar diffuser screen. Applied Optics, 2015, 54, 236.	0.9	36

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109	Investigation of the Electronic Crosstalk in Terra MODIS Band 28. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5722-5733.	2.7	20
110	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
111	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
112	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
113	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.	1.0	11
114	Simulation of Satellite Visible, Near-Infrared, and Shortwave-Infrared Measurements. Experimental Methods in the Physical Sciences, 2014, , 451-488.	0.1	0
115	VIIRS reflective solar bands on-orbit calibration and performance: a three-year update. , 2014, , .		5
116	Electronic crosstalk correction for terra long wave infrared photovoltaic bands. , 2014, , .		2
117	Evaluation of in-situ radiometric data processing for calibration and validation of satellite ocean color remote sensing. Proceedings of SPIE, 2014, , .	0.8	1
118	Radiometric calibration of ocean color satellite sensors using AERONET-OC data. Optics Express, 2014, 22, 23385.	1.7	21
119	Destriping algorithm for improved satellite-derived ocean color product imagery. Optics Express, 2014, 22, 28058.	1.7	30
120	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
121	Ocean reflectance spectra at the red, near-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
122	Improved near-infrared ocean reflectance correction algorithm for satellite ocean color data processing. Optics Express, 2014, 22, 21657.	1.7	68
123	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
124	Satellite-measured net primary production in the Chesapeake Bay. Remote Sensing of Environment, 2014, 144, 109-119.	4.6	34
125	Long-term hydrological changes of the Aral Sea observed by satellites. Journal of Geophysical Research: Oceans, 2014, 119, 3313-3326.	1.0	38
126	An Efficient Approach for VIIRS RDR to SDR Data Processing. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2037-2041.	1.4	4

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127	Evaluation of VIIRS ocean color products. Proceedings of SPIE, 2014, , .	0.8	15
128	Observations of ocean diurnal variations from the Korean geostationary ocean color imager (GOCI). Proceedings of SPIE, 2014, , .	0.8	3
129	VIIRS RDR to SDR data processing for ocean color EDR. Proceedings of SPIE, 2014, , .	0.8	0
130	VIIRS ocean color data visualization and processing with IDL-based NOAA-SeaDAS. , 2014, , .		1
131	Assimilation of Satellite Oceanic and Atmospheric Products to Improve Emission Forecasting. Springer Proceedings in Complexity, 2014, , 563-569.	0.2	0
132	Evaluation of the VIIRS ocean color monitoring performance in coastal regions. Remote Sensing of Environment, 2013, 139, 398-414.	4.6	78
133	Tidal effects on ecosystem variability in the Chesapeake Bay from MODIS-Aqua. Remote Sensing of Environment, 2013, 138, 65-76.	4.6	21
134	Evaluation of VIIRS ocean color data using measurements from the AERONET-OC sites. , 2013, , .		2
135	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
136	Ocean color products from the Korean Geostationary Ocean Color Imager (GOCI). Optics Express, 2013, 21, 3835.	1.7	87
137	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
138	Impacts of VIIRS SDR performance on ocean color products. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,347.	1.2	123
139	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
140	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
141	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
142	State of the Climate in 2011. Bulletin of the American Meteorological Society, 2012, 93, S1-S282.	1.7	121
143	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
144	Ocean Color products from Visible Infrared Imager Radiometer Suite (VIIRS). , 2012, , .		3

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145	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
146	Water properties in Chesapeake Bay from MODIS-Aqua measurements. Remote Sensing of Environment, 2012, 123, 163-174.	4.6	80
147	Satellite views of the Bohai Sea, Yellow Sea, and East China Sea. Progress in Oceanography, 2012, 104, 30-45.	1.5	123
148	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
149	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
150	Satellite observations of asymmetrical physical and biological responses to Hurricane Earl. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	17
151	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
152	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
153	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
154	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
155	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
156	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
157	The diffuse attenuation coefficient model in the Yellow Sea for the Korean Geostationary Ocean Color Imager (GOCI). Proceedings of SPIE, 2010, , .	0.8	0
158	Satellite observations of the seasonal sediment plume in central East China Sea. Journal of Marine Systems, 2010, 82, 280-285.	0.9	89
159	Evaluation of sun glint models using MODIS measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 492-506.	1.1	104
160	Monitoring Coral Reefs from Space. Oceanography, 2010, 23, 118-133.	0.5	41
161	Sea ice optical properties in the Bohai Sea measured by MODIS-Aqua. , 2010, , .		1
162	Characterization of global ocean turbidity from Moderate Resolution Imaging Spectroradiometer ocean color observations. Journal of Geophysical Research, 2010, 115, .	3.3	74

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163	An assessment of the black ocean pixel assumption for MODIS SWIR bands. Remote Sensing of Environment, 2009, 113, 1587-1597.	4.6	157
164	Evaluation of MODIS SWIR and NIR-SWIR atmospheric correction algorithms using SeaBASS data. Remote Sensing of Environment, 2009, 113, 635-644.	4.6	268
165	Satellite observations of flood-driven Mississippi River plume in the spring of 2008. Geophysical Research Letters, 2009, 36, .	1.5	74
166	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
167	Green macroalgae blooms in the Yellow Sea during the spring and summer of 2008. Journal of Geophysical Research, 2009, 114, .	3.3	105
168	Detection of Ice and Mixed Ice-Water Pixels for MODIS Ocean Color Data Processing. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2510-2518.	2.7	37
169	A study of a Hurricane Katrina-induced phytoplankton bloom using satellite observations and model simulations. Journal of Geophysical Research, 2009, 114, .	3.3	58
170	Environmental Responses to a Land Reclamation Project in South Korea. Eos, 2009, 90, 398-399.	0.1	17
171	Satellite observation and model simulation of water turbidity in the Chesapeake Bay. Proceedings of SPIE, 2009, , .	0.8	0
172	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
173	Stormwater plume detection by MODIS imagery in the southern California coastal ocean. Estuarine, Coastal and Shelf Science, 2008, 80, 141-152.	0.9	64
174	Satellite-Observed Algae Blooms in China's Lake Taihu. Eos, 2008, 89, 201-202.	0.1	64
175	Three-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
176	The NIR-SWIR combined atmospheric correction approach for MODIS ocean color data processing. Optics Express, 2007, 15, 15722.	1.7	449
177	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
178	MODIS-derived ocean color products along the China east coastal region. Geophysical Research Letters, 2007, 34, .	1.5	117
179	Observations of a Hurricane Katrina-induced phytoplankton bloom in the Gulf of Mexico. Geophysical Research Letters, 2007, 34, .	1.5	98
180	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

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181	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
182	Effects of ocean surface reflectance variation with solar elevation on normalized water-leaving radiance. Applied Optics, 2006, 45, 4122.	2.1	82
183	Aerosol polarization effects on atmospheric correction and aerosol retrievals in ocean color remote sensing. Applied Optics, 2006, 45, 8951.	2.1	37
184	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
185	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
186	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
187	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
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