Chuanmin Hu

List of Publications by Year
in descending order

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		8159	16605
351	20,653	76	123
papers	citations	h-index	g-index

354	354	354	13830
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monitoring pelagic Sargassum inundation potential for coastal communities. Journal of Operational Oceanography, 2023, 16, 48-59.	0.6	14
2	Long-term statistical assessment of Aqua-MODIS aerosol optical depth over coastal regions: bias characteristics and uncertainty sources. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 20805.	0.8	38
3	Discrimination of Biomass-Burning Smoke From Clouds Over the Ocean Using MODIS Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	2.7	0
4	Transport Processes in the Gulf of Mexico Along the River-Estuary-Shelf-Ocean Continuum: a Review of Research from the Gulf of Mexico Research Initiative. Estuaries and Coasts, 2022, 45, 621-657.	1.0	10
5	Noctiluca blooms in the East China Sea bounded by ocean fronts. Harmful Algae, 2022, 112, 102172.	2.2	11
6	Spectral characteristics of sea snot reflectance observed from satellites: Implications for remote sensing of marine debris. Remote Sensing of Environment, 2022, 269, 112842.	4.6	26
7	Monitoring Sargassum Inundation on Beaches and Nearshore Waters Using PlanetScope/Dove Observations. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	5
8	Global mapping reveals increase in lacustrine algal blooms over the past decade. Nature Geoscience, 2022, 15, 130-134.	5.4	158
9	Physical Characteristics and Evolution of a Long-Lasting Mesoscale Cyclonic Eddy in the Straits of Florida. Frontiers in Marine Science, 2022, 9, .	1.2	1
10	Hyperspectral reflectance spectra of floating matters derived from Hyperspectral Imager for the Coastal Ocean (HICO) observations. Earth System Science Data, 2022, 14, 1183-1192.	3.7	8
11	Initial estuarine response to inorganic nutrient inputs from a legacy mining facility adjacent to Tampa Bay, Florida. Marine Pollution Bulletin, 2022, 178, 113598.	2.3	18
12	Sea Snots in the Marmara Sea as Observed From Medium-Resolution Satellites. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	6
13	Determining the Primary Sources of Uncertainty in Retrieval of Marine Remote Sensing Reflectance From Satellite Ocean Color Sensors. Frontiers in Remote Sensing, 2022, 3, .	1.3	12
14	The Open-Ocean Gulf of Mexico After Deepwater Horizon: Synthesis of a Decade of Research. Frontiers in Marine Science, 2022, 9, .	1.2	6
15	Spatio-temporal variability of pelagic Sargassum landings on the northern Mexican Caribbean. Remote Sensing Applications: Society and Environment, 2022, 27, 100767.	0.8	10
16	Estimating estuarine primary production using satellite data and machine learning. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102821.	0.9	4
17	Vicarious Calibration of the Long Near Infrared Band: Cross-Sensor Differences in Sensitivity. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9.	2.7	1
18	Chronic oiling in global oceans. Science, 2022, 376, 1300-1304.	6.0	76

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19	Sensitivity of Satellite Ocean Color Data to System Vicarious Calibration of the Long Near Infrared Band. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2562-2578.	2.7	3
20	Optical Remote Sensing of Oil Spills in the Ocean: What Is Really Possible?. Journal of Remote Sensing, 2021, 2021, .	3.2	41
21	Quantifying the Atmospheric CO2 Forcing Effect on Surface Ocean pCO2 in the North Pacific Subtropical Gyre in the Past Two Decades. Frontiers in Marine Science, 2021, 8, .	1.2	4
22	To what extent can Ulva and Sargassum be detected and separated in satellite imagery?. Harmful Algae, 2021, 103, 102001.	2.2	34
23	Automatic Extraction of Sargassum Features From Sentinel-2 MSI Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2579-2597.	2.7	34
24	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
25	Linking phytoplankton absorption to community composition in Chinese marginal seas. Progress in Oceanography, 2021, 192, 102517.	1.5	10
26	NASA's surface biology and geology designated observable: A perspective on surface imaging algorithms. Remote Sensing of Environment, 2021, 257, 112349.	4.6	148
27	Nutrient content and stoichiometry of pelagic Sargassum reflects increasing nitrogen availability in the Atlantic Basin. Nature Communications, 2021, 12, 3060.	5.8	65
28	Evaluation of ECOSTRESS Thermal Data over South Florida Estuaries. Sensors, 2021, 21, 4341.	2.1	10
29	Remote detection of marine debris using satellite observations in the visible and near infrared spectral range: Challenges and potentials. Remote Sensing of Environment, 2021, 259, 112414.	4.6	52
30	A Machine Learning Approach to Estimate Surface Chlorophyll a Concentrations in Global Oceans From Satellite Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4590-4607.	2.7	34
31	Cross-calibration of MODIS and VIIRS long near infrared bands for ocean color science and applications. Remote Sensing of Environment, 2021, 260, 112439.	4.6	15
32	Greenland Blocking Promotes Subtropical North Atlantic Spring Blooms. Geophysical Research Letters, 2021, 48, e2020GL092252.	1.5	1
33	Quantifying ocean surface oil thickness using thermal remote sensing. Remote Sensing of Environment, 2021, 261, 112513.	4.6	21
34	On the Atlantic pelagic Sargassum's role in carbon fixation and sequestration. Science of the Total Environment, 2021, 781, 146801.	3.9	21
35	Ocean Temperature and Color Frontal Zones in the Gulf of Mexico: Where, When, and Why. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017544.	1.0	9
36	Satellite remote sensing of pelagic Sargassum macroalgae: The power of high resolution and deep learning. Remote Sensing of Environment, 2021, 264, 112631.	4.6	61

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37	Remote sensing of brine shrimp cysts in salt lakes. Remote Sensing of Environment, 2021, 266, 112695.	4.6	12
38	Generation of a Monoclonal Antibody against D-Dimer Using HTS-Based LiCA. SLAS Discovery, 2020, 25, 310-319.	1.4	3
39	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
40	Classification of oil spill by thicknesses using multiple remote sensors. Remote Sensing of Environment, 2020, 236, 111421.	4.6	71
41	Observations of water transparency in Chinaâ€™s lakes from space. International Journal of Applied Earth Observation and Geoinformation, 2020, 92, 102187.	1.4	41
42	Benthic classification and IOP retrievals in shallow water environments using MERIS imagery. Remote Sensing of Environment, 2020, 249, 112015.	4.6	19
43	Using machine learning to model and predict water clarity in the Great Lakes. Journal of Great Lakes Research, 2020, 46, 1501-1510.	0.8	4
44	Optical interpretation of oil emulsions in the ocean â€“ Part II: Applications to multi-band coarse-resolution imagery. Remote Sensing of Environment, 2020, 242, 111778.	4.6	43
45	In Situ Measurements of Circulation Features Influencing Crossâ€Shelf Transport Around Northwest Cuba. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015780.	1.0	7
46	Multi-Sensor Observations of Submesoscale Eddies in Coastal Regions. Remote Sensing, 2020, 12, 711.	1.8	6
47	An anomalous bi-macroalgal bloom caused by Ulva and Sargassum seaweeds during spring to summer of 2017 in the western Yellow Sea, China. Harmful Algae, 2020, 93, 101760.	2.2	40
48	The establishment of a pelagic Sargassum population in the tropical Atlantic: Biological consequences of a basin-scale long distance dispersal event. Progress in Oceanography, 2020, 182, 102269.	1.5	117
49	In search of floating algae and other organisms in global oceans and lakes. Remote Sensing of Environment, 2020, 239, 111659.	4.6	52
50	DNA barcoding of fish eggs collected off northwestern Cuba and across the Florida Straits demonstrates egg transport by mesoscale eddies. Fisheries Oceanography, 2020, 29, 340-348.	0.9	18
51	A Synoptic Climatological Analysis of the Atmospheric Drivers of Water Clarity Variability in the Great Lakes. Journal of Applied Meteorology and Climatology, 2020, 59, 915-935.	0.6	4
52	Sound science, not politics, must inform restoration of Florida Bay and the coral reefs of the Florida Keys. Marine Biology, 2020, 167, 1.	0.7	4
53	A Predictive Strategy for Mapping Locations Where Future MOSSFA Events Are Expected. , 2020, , 355-368.		3
54	Space eye on flying aircraft: From Sentinel-2 MSI parallax to hybrid computing. Remote Sensing of Environment, 2020, 246, 111867.	4.6	16

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55	Evaluation of Remote Sensing Reflectance Derived From the Sentinel-2 Multispectral Instrument Observations Using POLYMER Atmospheric Correction. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5764-5771.	2.7	5
56	A Multidisciplinary Approach to Investigate Deep-Pelagic Ecosystem Dynamics in the Gulf of Mexico Following Deepwater Horizon. Frontiers in Marine Science, 2020, 7, .	1.2	18
57	Investigation of Submesoscale Eddies from Modis Color Index Products in Coastal Regions: A Case Study in Subei Shoal. , 2020, , .		0
58	Offshore Spreading of Mississippi Waters: Pathways and Vertical Structure Under Eddy Influence. Journal of Geophysical Research: Oceans, 2019, 124, 5952-5978.	1.0	33
59	Nitrogen enrichment, altered stoichiometry, and coral reef decline at Looe Key, Florida Keys, USA: a 3-decade study. Marine Biology, 2019, 166, 1.	0.7	123
60	Environmental controls of surface water pCO2 in different coastal environments: Observations from marine buoys. Continental Shelf Research, 2019, 183, 73-86.	0.9	13
61	The great Atlantic Sargassum belt. Science, 2019, 365, 83-87.	6.0	353
62	Coral reef geomorphology of the Spratly Islands: A simple method based on time-series of Landsat-8 multi-band inundation maps. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 157, 137-154.	4.9	29
63	Potential influence of the Deepwater Horizon oil spill on phytoplankton primary productivity in the northern Gulf of Mexico. Environmental Research Letters, 2019, 14, 094018.	2.2	18
64	Optical interpretation of oil emulsions in the ocean â€“ Part I: Laboratory measurements and proof-of-concept with AVIRIS observations. Remote Sensing of Environment, 2019, 230, 111183.	4.6	46
65	Phytoplankton decline in the eastern North Pacific transition zone associated with atmospheric blocking. Global Change Biology, 2019, 25, 3485-3493.	4.2	10
66	Toward a Coordinated Global Observing System for Seagrasses and Marine Macroalgae. Frontiers in Marine Science, 2019, 6, .	1.2	123
67	Remote detection of cyanobacteria blooms in an optically shallow subtropical lagoonal estuary using MODIS data. Remote Sensing of Environment, 2019, 231, 111227.	4.6	29
68	In Search of Red Noctiluca scintillans Blooms in the East China Sea. Geophysical Research Letters, 2019, 46, 5997-6004.	1.5	32
69	A machine learning approach to estimate surface ocean pCO2 from satellite measurements. Remote Sensing of Environment, 2019, 228, 203-226.	4.6	79
70	Performance of POLYMER Atmospheric Correction of Ocean Color Imagery in the Presence of Absorbing Aerosols. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6666-6674.	2.7	21
71	The North Atlantic Aerosol and Marine Ecosystem Study (NAAMES): Science Motive and Mission Overview. Frontiers in Marine Science, 2019, 6, .	1.2	111
72	The Coastal Ocean Circulation Influence on the 2018 West Florida Shelf <scp>K.Âbrevis</scp> Red Tide Bloom. Journal of Geophysical Research: Oceans, 2019, 124, 2501-2512.	1.0	74

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73	Improving Satellite Global Chlorophyll a Data Products Through Algorithm Refinement and Data Recovery. Journal of Geophysical Research: Oceans, 2019, 124, 1524-1543.	1.0	58
74	Submesoscale and Mesoscale Eddies in the Florida Straits: Observations from Satellite Ocean Color Measurements. Geophysical Research Letters, 2019, 46, 13262-13270.	1.5	26
75	Validation of VIIRS and MODIS reflectance data in coastal and oceanic waters: An assessment of methods. Remote Sensing of Environment, 2019, 220, 110-123.	4.6	63
76	The Challenges of Interpreting Oilâ€"Water Spatial and Spectral Contrasts for the Estimation of Oil Thickness: Examples From Satellite and Airborne Measurements of the Deepwater Horizon Oil Spill. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2643-2658.	2.7	39
77	Long-term vegetation changes in four types of wetland in China and USA between 2000 and 2011: observations from MODIS. International Journal of Remote Sensing, 2019, 40, 4302-4325.	1.3	2
78	Improving ocean color data coverage through machine learning. Remote Sensing of Environment, 2019, 222, 286-302.	4.6	50
79	Geometric accuracy of remote sensing images over oceans: The use of global offshore platforms. Remote Sensing of Environment, 2019, 222, 244-266.	4.6	25
80	Potential Applications of HyspIRI for the Observation of Sea-Margin Processes. Journal of Coastal Research, 2019, 35, 227.	0.1	1
81	On the remote estimation of Ulva prolifera areal coverage and biomass. Remote Sensing of Environment, 2019, 223, 194-207.	4.6	49
82	Assessment of offshore oil/gas platform status in the northern Gulf of Mexico using multi-source satellite time-series images. Remote Sensing of Environment, 2018, 208, 63-81.	4.6	32
83	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.	2.7	4
84	A Highly Sensitive Detection System based on Proximity-dependent Hybridization with Computer-aided Affinity Maturation of a scFv Antibody. Scientific Reports, 2018, 8, 3837.	1.6	8
85	Can MODIS Land Reflectance Products be Used for Estuarine and Inland Waters?. Water Resources Research, 2018, 54, 3583-3601.	1.7	20
86	Diurnal changes of cyanobacteria blooms in Taihu Lake as derived from GOCI observations. Limnology and Oceanography, 2018, 63, 1711-1726.	1.6	72
87	Tracking an Oil Tanker Collision and Spilled Oils in the East China Sea Using Multisensor Day and Night Satellite Imagery. Geophysical Research Letters, 2018, 45, 3212-3220.	1.5	52
88	On the continuity of quantifying floating algae of the Central West Atlantic between MODIS and VIIRS. International Journal of Remote Sensing, 2018, 39, 3852-3869.	1.3	23
89	Identifying industrial heat sources using time-series of the VIIRS Nightfire product with an object-oriented approach. Remote Sensing of Environment, 2018, 204, 347-365.	4.6	62
90	Long-term spatiotemporal variability of southwest Florida whiting events from MODIS observations. International Journal of Remote Sensing, 2018, 39, 906-923.	1.3	7

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91	Wetland changes of China's largest freshwater lake and their linkage with the Three Gorges Dam. Remote Sensing of Environment, 2018, 204, 799-811.	4.6	80
92	Remote sensing retrievals of colored dissolved organic matter and dissolved organic carbon dynamics in North American estuaries and their margins. Remote Sensing of Environment, 2018, 205, 151-165.	4.6	100
93	Diurnal changes of remote sensing reflectance over Chesapeake Bay: Observations from the Airborne Compact Atmospheric Mapper. Estuarine, Coastal and Shelf Science, 2018, 200, 181-193.	0.9	2
94	Multi-band spectral matching inversion algorithm to derive water column properties in optically shallow waters: An optimization of parameterization. Remote Sensing of Environment, 2018, 204, 424-438.	4.6	31
95	Linking Weather Patterns, Water Quality And Invasive Mussel Distributions In The Development And Application Of A Water Clarity Index For The Great Lakes. , 2018, , .		3
96	Hurricaneâ€Induced Changes in the Everglades National Park Mangrove Forest: Landsat Observations Between 1985 and 2017. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 3470-3488.	1.3	32
97	Characterizing a Sea Turtle Developmental Habitat Using Landsat Observations of Surface-Pelagic Drift Communities in the Eastern Gulf of Mexico. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3646-3659.	2.3	11
98	Remote sensing assessment of oil spills near a damaged platform in the Gulf of Mexico. Marine Pollution Bulletin, 2018, 136, 141-151.	2.3	41
99	A Colorâ€Indexâ€Based Empirical Algorithm for Determining Particulate Organic Carbon Concentration in the Ocean From Satellite Observations. Journal of Geophysical Research: Oceans, 2018, 123, 7407-7419.	1.0	29
100	Influence of Riverâ€Induced Fronts on Hydrocarbon Transport: A Multiplatform Observational Study. Journal of Geophysical Research: Oceans, 2018, 123, 3259-3285.	1.0	34
101	Simulating transport pathways of pelagic Sargassum from the Equatorial Atlantic into the Caribbean Sea. Progress in Oceanography, 2018, 165, 205-214.	1.5	101
102	A selfâ€organized actomyosin drives multiple intercellular junction disruption and directly promotes neutrophil recruitment in lipopolysaccharideâ€induced acute lung injury. FASEB Journal, 2018, 32, 6197-6211.	0.2	12
103	Comparison of two atmospheric correction approaches applied to MODIS measurements over North American waters. Remote Sensing of Environment, 2018, 216, 442-455.	4.6	21
104	Remote Sensing of Sargassum Biomass, Nutrients, and Pigments. Geophysical Research Letters, 2018, 45, 12,359.	1.5	69
105	Global Water Clarity: Continuing a Century-Long Monitoring. Eos, 2018, 99, .	0.1	16
106	Remote sensing estimation of surface oil volume during the 2010 Deepwater Horizon oil blowout in the Gulf of Mexico: scaling up AVIRIS observations with MODIS measurements. Journal of Applied Remote Sensing, 2018, 12, 1.	0.6	34
107	The Application of Novel Research Technologies by the Deep Pelagic Nekton Dynamics of the Gulf of Mexico (DEEPEND) Consortium. Marine Technology Society Journal, 2018, 52, 81-86.	0.3	21
108	A simple, fast, and reliable method to predict Sargassum washing ashore in the Lesser Antilles. Remote Sensing Applications: Society and Environment, 2017, 5, 54-63.	0.8	29

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109	Appointments and retirements of associate editors and editorial board members. Remote Sensing of Environment, 2017, 188, A1.	4.6	0
110	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.	1.3	4
111	VIIRS captures phytoplankton vertical migration in the NE Gulf of Mexico. Harmful Algae, 2017, 66, 40-46.	2.2	14
112	Sensing an intense phytoplankton bloom in the western Taiwan Strait from radiometric measurements on a UAV. Remote Sensing of Environment, 2017, 198, 85-94.	4.6	52
113	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.	1.0	45
114	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.	4.6	30
115	Predicting Sargassum blooms in the Caribbean Sea from MODIS observations. Geophysical Research Letters, 2017, 44, 3265-3273.	1.5	79
116	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
117	Remote estimation of biomass of Ulva prolifera macroalgae in the Yellow Sea. Remote Sensing of Environment, 2017, 192, 217-227.	4.6	108
118	More surprises in the global greenhouse: Human health impacts from recent toxic marine aerosol formations, due to centennial alterations of world-wide coastal food webs. Marine Pollution Bulletin, 2017, 116, 9-40.	2.3	19
119	Satellite observation of particulate organic carbon dynamics on the <scp>L</scp>ouisiana continental shelf. Journal of Geophysical Research: Oceans, 2017, 122, 555-569.	1.0	30
120	Cloud and Sunâ€glint statistics derived from GOES and MODIS observations over the Intraâ€Americas Sea for GEOâ€CAPE mission planning. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1725-1745.	1.2	19
121	Floating Algae Blooms in the East China Sea. Geophysical Research Letters, 2017, 44, 11,501.	1.5	116
122	Estimating Particulate Inorganic Carbon Concentrations of the Global Ocean From Ocean Color Measurements Using a Reflectance Difference Approach. Journal of Geophysical Research: Oceans, 2017, 122, 8707-8720.	1.0	36
123	Estimating sea surface salinity in the northern Gulf of Mexico from satellite ocean color measurements. Remote Sensing of Environment, 2017, 201, 115-132.	4.6	62
124	The development of a non-linear autoregressive model with exogenous input (NARX) to model climate-water clarity relationships: reconstructing a historical water clarity index for the coastal waters of the southeastern USA. Theoretical and Applied Climatology, 2017, 130, 557-569.	1.3	13
125	Estimating surface pCO2 in the northern Gulf of Mexico: Which remote sensing model to use?. Continental Shelf Research, 2017, 151, 94-110.	0.9	17
126	Downregulation of ATG5-dependent macroautophagy by chaperone-mediated autophagy promotes breast cancer cell metastasis. Scientific Reports, 2017, 7, 4759.	1.6	47

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127	Remoteâ€Sensing Estimation of Phytoplankton Size Classes From <scp>GOCI</scp> Satellite Measurements in Bohai Sea and Yellow Sea. Journal of Geophysical Research: Oceans, 2017, 122, 8309-8325.	1.0	27
128	Human heart failure biomarker immunosensor based on excessively tilted fiber gratings. Biomedical Optics Express, 2017, 8, 57.	1.5	30
129	Challenges in Methane Column Retrievals from AVIRIS-NG Imagery over Spectrally Cluttered Surfaces: A Sensitivity Analysis. Remote Sensing, 2017, 9, 835.	1.8	7
130	Optical and biochemical properties of a southwest Florida whiting event. Estuarine, Coastal and Shelf Science, 2017, 196, 258-268.	0.9	15
131	Did Deepwater Horizon hydrocarbons transit to the west Florida continental shelf?. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 259-272.	0.6	40
132	How Did the Deepwater Horizon Oil Spill Affect Coastal and Continental Shelf Ecosystems of the Gulf of Mexico?. Oceanography, 2016, 29, 160-173.	0.5	56
133	Variability of Particle Size Distributions in the Bohai Sea and the Yellow Sea. Remote Sensing, 2016, 8, 949.	1.8	14
134	Satelliteâ€based empirical models linking river plume dynamics with hypoxic area and volume. Geophysical Research Letters, 2016, 43, 2693-2699.	1.5	15
135	Modified MODIS fluorescence line height data product to improve image interpretation for red tide monitoring in the eastern Gulf of Mexico. Journal of Applied Remote Sensing, 2016, 11, 012003.	0.6	30
136	A topological approach for quantitative comparisons of ocean model fields to satellite ocean color data. Methods in Oceanography, 2016, 17, 232-250.	1.5	7
137	Sun glint requirement for the remote detection of surface oil films. Geophysical Research Letters, 2016, 43, 309-316.	1.5	41
138	Refinement of the critical angle calculation for the contrast reversal of oil slicks under sunglint. Journal of Geophysical Research: Oceans, 2016, 121, 148-161.	1.0	38
139	Characterization of Karenia brevis blooms on the West Florida Shelf using ocean color satellite imagery: implications for bloom maintenance and evolution. Journal of Applied Remote Sensing, 2016, 11, 012002.	0.6	7
140	Sargassum coverage in the northeastern Gulf of Mexico during 2010 from Landsat and airborne observations: Implications for the Deepwater Horizon oil spill impact assessment. Marine Pollution Bulletin, 2016, 107, 15-21.	2.3	19
141	Detecting and quantifying oil slick thickness by thermal remote sensing: A ground-based experiment. Remote Sensing of Environment, 2016, 181, 207-217.	4.6	62
142	A hybrid method to estimate suspended particle sizes from satellite measurements over <scp>B</scp>ohai <scp>S</scp>ea and <scp>Y</scp>ellow <scp>S</scp>ea. Journal of Geophysical Research: Oceans, 2016, 121, 6742-6761.	1.0	24
143	Mapping and quantifying Sargassum distribution and coverage in the Central West Atlantic using MODIS observations. Remote Sensing of Environment, 2016, 183, 350-367.	4.6	175
144	Remote estimation of surface pCO2 on the West Florida Shelf. Continental Shelf Research, 2016, 128, 10-25.	0.9	30

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145	Long-term trend of Ulva prolifera blooms in the western Yellow Sea. Harmful Algae, 2016, 58, 35-44.	2.2	114
146	Vertical migration of Karenia brevis in the northeastern Gulf of Mexico observed from glider measurements. Harmful Algae, 2016, 58, 59-65.	2.2	20
147	Sunlight induced chlorophyll fluorescence in the nearâ€infrared spectral region in natural waters: Interpretation of the narrow reflectance peak around 761 nm. Journal of Geophysical Research: Oceans, 2016, 121, 5017-5029.	1.0	6
148	Island building in the South China Sea: detection of turbidity plumes and artificial islands using Landsat and MODIS data. Scientific Reports, 2016, 6, 33194.	1.6	24
149	Karenia brevis blooms on the West Florida Shelf: A comparative study of the robust 2012 bloom and the nearly null 2013 event. Continental Shelf Research, 2016, 120, 106-121.	0.9	36
150	Oil slick morphology derived from AVIRIS measurements of the Deepwater Horizon oil spill: Implications for spatial resolution requirements of remote sensors. Marine Pollution Bulletin, 2016, 103, 276-285.	2.3	62
151	Four decades of wetland changes of the largest freshwater lake in China: Possible linkage to the Three Gorges Dam?. Remote Sensing of Environment, 2016, 176, 43-55.	4.6	101
152	Dependence of satellite ocean color data products on viewing angles: A comparison between SeaWiFS, MODIS, and VIIRS. Remote Sensing of Environment, 2016, 175, 120-129.	4.6	35
153	Cloud adjacency effects on top-of-atmosphere radiance and ocean color data products: A statistical assessment. Remote Sensing of Environment, 2016, 174, 301-313.	4.6	50
154	The role of Mississippi River discharge in offshore phytoplankton blooming in the northeastern Gulf of Mexico during August 2010. Remote Sensing of Environment, 2016, 173, 133-144.	4.6	36
155	Comparison of Valid Ocean Observations Between MODIS Terra and Aqua Over the Global Oceans. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1575-1585.	2.7	42
156	Short-term changes of remote sensing reflectancein a shallow-water environment: observations from repeated airborne hyperspectral measurements. International Journal of Remote Sensing, 2016, 37, 1620-1638.	1.3	9
157	Developing a Smart Semantic Web With Linked Data and Models for Near-Real-Time Monitoring of Red Tides in the Eastern Gulf of Mexico. IEEE Systems Journal, 2016, 10, 1282-1290.	2.9	24
158	Mapping macroalgal blooms in the Yellow Sea and East China Sea using HJ-1 and Landsat data: Application of a virtual baseline reflectance height technique. Remote Sensing of Environment, 2016, 178, 113-126.	4.6	119
159	Bio-optical water quality dynamics observed from MERIS in Pensacola Bay, Florida. Estuarine, Coastal and Shelf Science, 2016, 173, 26-38.	0.9	12
160	Improving satellite data products for open oceans with a scheme to correct the residual errors in remote sensing reflectance. Journal of Geophysical Research: Oceans, 2016, 121, 3866-3886.	1.0	23
161	Sargassum Watch Warns of Incoming Seaweed. Eos, 2016, 97, .	0.1	58
162	Surface oil footprint and trajectory of the Ixtoc-I oil spill determined from Landsat/MSS and CZCS observations. Marine Pollution Bulletin, 2015, 101, 632-641.	2.3	55

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163	Natural and unnatural oil slicks in the <scp>G</scp>ulf of <scp>M</scp>exico. Journal of Geophysical Research: Oceans, 2015, 120, 8364-8380.	1.0	229
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