

Chuanmin Hu

List of Publications by Year in descending order

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Version: 2024-02-01

351
papers

20,653
citations

8159

76
h-index

16605

123
g-index

354
all docs

354
docs citations

354
times ranked

13830
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel ocean color index to detect floating algae in the global oceans. Remote Sensing of Environment, 2009, 113, 2118-2129.	4.6	683
2	Chlorophyll <i>a</i> algorithms for oligotrophic oceans: A novel approach based on three-band reflectance difference. Journal of Geophysical Research, 2012, 117, .	3.3	649
3	Assessment of inundation changes of Poyang Lake using MODIS observations between 2000 and 2010. Remote Sensing of Environment, 2012, 121, 80-92.	4.6	420
4	New evidence for enhanced ocean primary production triggered by tropical cyclone. Geophysical Research Letters, 2003, 30, .	1.5	392
5	Assessment of estuarine water-quality indicators using MODIS medium-resolution bands: Initial results from Tampa Bay, FL. Remote Sensing of Environment, 2004, 93, 423-441.	4.6	353
6	The great Atlantic <i>Sargassum</i> belt. Science, 2019, 365, 83-87.	6.0	353
7	Red tide detection and tracing using MODIS fluorescence data: A regional example in SW Florida coastal waters. Remote Sensing of Environment, 2005, 97, 311-321.	4.6	339
8	The importance of continental margins in the global carbon cycle. Geophysical Research Letters, 2005, 32, .	1.5	338
9	Atmospheric Correction of SeaWiFS Imagery over Turbid Coastal Waters. Remote Sensing of Environment, 2000, 74, 195-206.	4.6	322
10	Moderate Resolution Imaging Spectroradiometer (MODIS) observations of cyanobacteria blooms in Taihu Lake, China. Journal of Geophysical Research, 2010, 115, .	3.3	280
11	A half-century of changes in China's lakes: Global warming or human influence?. Geophysical Research Letters, 2010, 37, .	1.5	258
12	Aquatic color radiometry remote sensing of coastal and inland waters: Challenges and recommendations for future satellite missions. Remote Sensing of Environment, 2015, 160, 15-30.	4.6	254
13	Monitoring turbidity in Tampa Bay using MODIS/Aqua 250-m imagery. Remote Sensing of Environment, 2007, 109, 207-220.	4.6	252
14	Absorbance, absorption coefficient, and apparent quantum yield: A comment on common ambiguity in the use of these optical concepts. Limnology and Oceanography, 2002, 47, 1261-1267.	1.6	237
15	Natural and unnatural oil slicks in the Gulf of Mexico. Journal of Geophysical Research: Oceans, 2015, 120, 8364-8380.	1.0	229
16	On the recurrent <i>Ulva prolifera</i> blooms in the Yellow Sea and East China Sea. Journal of Geophysical Research, 2010, 115, .	3.3	228
17	Secchi disk depth: A new theory and mechanistic model for underwater visibility. Remote Sensing of Environment, 2015, 169, 139-149.	4.6	224
18	Hurricanes, submarine groundwater discharge, and Florida's red tides. Geophysical Research Letters, 2006, 33, .	1.5	200

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19	Dramatic Inundation Changes of China's Two Largest Freshwater Lakes Linked to the Three Gorges Dam. <i>Environmental Science & Technology</i> , 2013, 47, 9628-9634.	4.6	186
20	Penetration of UV-visible solar radiation in the global oceans: Insights from ocean color remote sensing. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4241-4255.	1.0	184
21	Mapping and quantifying Sargassum distribution and coverage in the Central West Atlantic using MODIS observations. <i>Remote Sensing of Environment</i> , 2016, 183, 350-367.	4.6	175
22	Dynamic range and sensitivity requirements of satellite ocean color sensors: learning from the past. <i>Applied Optics</i> , 2012, 51, 6045.	0.9	168
23	Global distribution of Case-1 waters: An analysis from SeaWiFS measurements. <i>Remote Sensing of Environment</i> , 2006, 101, 270-276.	4.6	163
24	The Ocean Colour Climate Change Initiative: III. A round-robin comparison on in-water bio-optical algorithms. <i>Remote Sensing of Environment</i> , 2015, 162, 271-294.	4.6	161
25	Ocean Color Satellites Show Extensive Lines of Floating Sargassum in the Gulf of Mexico. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006, 44, 3619-3625.	2.7	160
26	Detection of natural oil slicks in the NW Gulf of Mexico using MODIS imagery. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	159
27	Global mapping reveals increase in lacustrine algal blooms over the past decade. <i>Nature Geoscience</i> , 2022, 15, 130-134.	5.4	158
28	Uncertainties of optical parameters and their propagations in an analytical ocean color inversion algorithm. <i>Applied Optics</i> , 2010, 49, 369.	2.1	153
29	Evaluation of chlorophyll-a remote sensing algorithms for an optically complex estuary. <i>Remote Sensing of Environment</i> , 2013, 129, 75-89.	4.6	152
30	Influence of the Three Gorges Dam on total suspended matters in the Yangtze Estuary and its adjacent coastal waters: Observations from MODIS. <i>Remote Sensing of Environment</i> , 2014, 140, 779-788.	4.6	151
31	NASA's surface biology and geology designated observable: A perspective on surface imaging algorithms. <i>Remote Sensing of Environment</i> , 2021, 257, 112349.	4.6	148
32	The dispersal of the Amazon and Orinoco River water in the tropical Atlantic and Caribbean Sea: Observation from space and S-PALACE floats. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 1151-1171.	0.6	140
33	Change detection in shallow coral reef environments using Landsat 7 ETM+ data. <i>Remote Sensing of Environment</i> , 2001, 78, 150-162.	4.6	139
34	Tracking the Deepwater Horizon Oil Spill: A Modeling Perspective. <i>Eos</i> , 2011, 92, 45-46.	0.1	126
35	Evaluation of remote sensing algorithms for cyanobacterial pigment retrievals during spring bloom formation in several lakes of East China. <i>Remote Sensing of Environment</i> , 2012, 126, 126-135.	4.6	126
36	Nitrogen enrichment, altered stoichiometry, and coral reef decline at Looe Key, Florida Keys, USA: a 3-decade study. <i>Marine Biology</i> , 2019, 166, 1.	0.7	123

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37	Toward a Coordinated Global Observing System for Seagrasses and Marine Macroalgae. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	123
38	Origin and Offshore Extent of Floating Algae in Olympic Sailing Area. <i>Eos</i> , 2008, 89, 302-303.	0.1	121
39	Spectral and spatial requirements of remote measurements of pelagic Sargassum macroalgae. <i>Remote Sensing of Environment</i> , 2015, 167, 229-246.	4.6	120
40	How precise are SeaWiFS ocean color estimates? Implications of digitization-noise errors. <i>Remote Sensing of Environment</i> , 2001, 76, 239-249.	4.6	119
41	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. <i>Remote Sensing of Environment</i> , 2016, 178, 113-126.	4.6	119
42	The United States' Next Generation of Atmospheric Composition and Coastal Ecosystem Measurements: NASA's Geostationary Coastal and Air Pollution Events (GEO-CAPE) Mission. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 1547-1566.	1.7	118
43	Diurnal changes of a harmful algal bloom in the East China Sea: Observations from GOCI. <i>Remote Sensing of Environment</i> , 2014, 140, 562-572.	4.6	118
44	Did the northeastern Gulf of Mexico become greener after the Deepwater Horizon oil spill?. <i>Geophysical Research Letters</i> , 2011, 38, .	1.5	117
45	The establishment of a pelagic Sargassum population in the tropical Atlantic: Biological consequences of a basin-scale long distance dispersal event. <i>Progress in Oceanography</i> , 2020, 182, 102269.	1.5	117
46	Human induced turbidity changes in Poyang Lake between 2000 and 2010: Observations from MODIS. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	116
47	Floating Algae Blooms in the East China Sea. <i>Geophysical Research Letters</i> , 2017, 44, 11,501.	1.5	116
48	Bridging between SeaWiFS and MODIS for continuity of chlorophyll-a concentration assessments off Southeastern China. <i>Remote Sensing of Environment</i> , 2006, 102, 250-263.	4.6	114
49	Long-term trend of <i>Ulva prolifera</i> blooms in the western Yellow Sea. <i>Harmful Algae</i> , 2016, 58, 35-44.	2.2	114
50	The North Atlantic Aerosol and Marine Ecosystem Study (NAAMES): Science Motive and Mission Overview. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	111
51	Phytoplankton response to intrusions of slope water on the West Florida Shelf: Models and observations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	110
52	A novel MERIS algorithm to derive cyanobacterial phycocyanin pigment concentrations in a eutrophic lake: Theoretical basis and practical considerations. <i>Remote Sensing of Environment</i> , 2014, 154, 298-317.	4.6	110
53	Remote sensing of water clarity in Tampa Bay. <i>Remote Sensing of Environment</i> , 2007, 109, 249-259.	4.6	109
54	Uncertainties of SeaWiFS and MODIS remote sensing reflectance: Implications from clear water measurements. <i>Remote Sensing of Environment</i> , 2013, 133, 168-182.	4.6	109

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55	Absorption and fluorescence of chromophoric dissolved organic matter in the Pearl River Estuary, South China. <i>Marine Chemistry</i> , 2005, 97, 78-89.	0.9	108
56	Remote estimation of biomass of <i>Ulva prolifera</i> macroalgae in the Yellow Sea. <i>Remote Sensing of Environment</i> , 2017, 192, 217-227.	4.6	108
57	Colored dissolved organic matter in Tampa Bay, Florida. <i>Marine Chemistry</i> , 2007, 104, 98-109.	0.9	104
58	Remote detection of <i>Trichodesmium</i> blooms in optically complex coastal waters: Examples with MODIS full-spectral data. <i>Remote Sensing of Environment</i> , 2010, 114, 2048-2058.	4.6	104
59	Validation of SeaWiFS chlorophyll a concentrations in the Southern Ocean: A revisit. <i>Remote Sensing of Environment</i> , 2006, 105, 367-375.	4.6	102
60	Four decades of wetland changes of the largest freshwater lake in China: Possible linkage to the Three Gorges Dam?. <i>Remote Sensing of Environment</i> , 2016, 176, 43-55.	4.6	101
61	Simulating transport pathways of pelagic <i>Sargassum</i> from the Equatorial Atlantic into the Caribbean Sea. <i>Progress in Oceanography</i> , 2018, 165, 205-214.	1.5	101
62	Remote sensing retrievals of colored dissolved organic matter and dissolved organic carbon dynamics in North American estuaries and their margins. <i>Remote Sensing of Environment</i> , 2018, 205, 151-165.	4.6	100
63	Detection of Floating Oil Anomalies From the Deepwater Horizon Oil Spill With Synthetic Aperture Radar. <i>Oceanography</i> , 2013, 26, .	0.5	99
64	MODIS detects oil spills in Lake Maracaibo, Venezuela. <i>Eos</i> , 2003, 84, 313.	0.1	98
65	Revisiting coral reef connectivity. <i>Coral Reefs</i> , 2002, 21, 43-48.	0.9	97
66	MODIS observations of the bottom topography and its inter-annual variability of Poyang Lake. <i>Remote Sensing of Environment</i> , 2011, 115, 2729-2741.	4.6	95
67	Quantification of two decades of shallow-water coral reef habitat decline in the Florida Keys National Marine Sanctuary using Landsat data (1984-2002). <i>Remote Sensing of Environment</i> , 2008, 112, 3388-3399.	4.6	89
68	Atmospheric correction and cross-calibration of LANDSAT-7/ETM+ imagery over aquatic environments: A multiplatform approach using SeaWiFS/MODIS. <i>Remote Sensing of Environment</i> , 2001, 78, 99-107.	4.6	88
69	Physical environments of the Caribbean Sea. <i>Limnology and Oceanography</i> , 2012, 57, 1233-1244.	1.6	87
70	Exploring the potential of optical remote sensing for oil spill detection in shallow coastal waters-a case study in the Arabian Gulf. <i>Optics Express</i> , 2014, 22, 13755.	1.7	86
71	Ryther revisited: nutrient excretions by fishes enhance productivity of pelagic <i>Sargassum</i> in the western North Atlantic Ocean. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 458, 46-56.	0.7	85
72	Comparison of ship and satellite bio-optical measurements on the continental margin of the NE Gulf of Mexico. <i>International Journal of Remote Sensing</i> , 2003, 24, 2597-2612.	1.3	82

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73	Wetland changes of China's largest freshwater lake and their linkage with the Three Gorges Dam. <i>Remote Sensing of Environment</i> , 2018, 204, 799-811.	4.6	80
74	Processes of coastal upwelling and carbon flux in the Cariaco Basin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 927-943.	0.6	79
75	Predicting <i>Sargassum</i> blooms in the Caribbean Sea from MODIS observations. <i>Geophysical Research Letters</i> , 2017, 44, 3265-3273.	1.5	79
76	A machine learning approach to estimate surface ocean pCO ₂ from satellite measurements. <i>Remote Sensing of Environment</i> , 2019, 228, 203-226.	4.6	79
77	Molecular cloning of IBP, a SWAP-70 homologous GEF, which is highly expressed in the immune system. <i>Human Immunology</i> , 2003, 64, 389-401.	1.2	78
78	Mississippi River water in the Florida Straits and in the Gulf Stream off Georgia in summer 2004. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	78
79	Strange bedfellows—a deep-water hermatypic coral reef superimposed on a drowned barrier island; southern Pulley Ridge, SW Florida platform margin. <i>Marine Geology</i> , 2005, 214, 295-307.	0.9	77
80	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.	1.8	77
81	Chronic oiling in global oceans. <i>Science</i> , 2022, 376, 1300-1304.	6.0	76
82	The Coastal Ocean Circulation Influence on the 2018 West Florida Shelf <i>Red Tide Bloom</i> . <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 2501-2512.	1.0	74
83	Linkages between coastal runoff and the Florida Keys ecosystem: A study of a dark plume event. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	72
84	Diurnal changes of cyanobacteria blooms in Taihu Lake as derived from GOCI observations. <i>Limnology and Oceanography</i> , 2018, 63, 1711-1726.	1.6	72
85	The 2002 ocean color anomaly in the Florida Bight: A cause of local coral reef decline?. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	71
86	Classification of oil spill by thicknesses using multiple remote sensors. <i>Remote Sensing of Environment</i> , 2020, 236, 111421.	4.6	71
87	Climate-driven chlorophyll-a changes in a turbid estuary: Observations from satellites and implications for management. <i>Remote Sensing of Environment</i> , 2013, 130, 11-24.	4.6	70
88	Remote Sensing of <i>Sargassum</i> Biomass, Nutrients, and Pigments. <i>Geophysical Research Letters</i> , 2018, 45, 12,359.	1.5	69
89	T Cell Receptor Engagement Leads to the Recruitment of IBP, a Novel Guanine Nucleotide Exchange Factor, to the Immunological Synapse. <i>Journal of Biological Chemistry</i> , 2003, 278, 43541-43549.	1.6	68
90	Spatial and temporal variability of SeaWiFS chlorophyll a distributions west of the Antarctic Peninsula: Implications for krill production. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 377-392.	0.6	67

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91	Land-based nutrient enrichment of the Buccoo Reef Complex and fringing coral reefs of Tobago, West Indies. <i>Marine Pollution Bulletin</i> , 2010, 60, 334-343.	2.3	66
92	Nutrient content and stoichiometry of pelagic Sargassum reflects increasing nitrogen availability in the Atlantic Basin. <i>Nature Communications</i> , 2021, 12, 3060.	5.8	65
93	Fertilization potential of volcanic dust in the low-nutrient low-chlorophyll western North Pacific subtropical gyre: Satellite evidence and laboratory study. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	1.9	64
94	An empirical approach to derive MODIS ocean color patterns under severe sun glint. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	64
95	MODIS-derived spatiotemporal water clarity patterns in optically shallow Florida Keys waters: A new approach to remove bottom contamination. <i>Remote Sensing of Environment</i> , 2013, 134, 377-391.	4.6	64
96	Validation of VIIRS and MODIS reflectance data in coastal and oceanic waters: An assessment of methods. <i>Remote Sensing of Environment</i> , 2019, 220, 110-123.	4.6	63
97	Towards a long-term chlorophyll-a data record in a turbid estuary using MODIS observations. <i>Progress in Oceanography</i> , 2013, 109, 90-103.	1.5	62
98	Assessment of satellite-derived diffuse attenuation coefficients and euphotic depths in south Florida coastal waters. <i>Remote Sensing of Environment</i> , 2013, 131, 38-50.	4.6	62
99	Detecting and quantifying oil slick thickness by thermal remote sensing: A ground-based experiment. <i>Remote Sensing of Environment</i> , 2016, 181, 207-217.	4.6	62
100	Oil slick morphology derived from AVIRIS measurements of the Deepwater Horizon oil spill: Implications for spatial resolution requirements of remote sensors. <i>Marine Pollution Bulletin</i> , 2016, 103, 276-285.	2.3	62
101	Estimating sea surface salinity in the northern Gulf of Mexico from satellite ocean color measurements. <i>Remote Sensing of Environment</i> , 2017, 201, 115-132.	4.6	62
102	Identifying industrial heat sources using time-series of the VIIRS Nightfire product with an object-oriented approach. <i>Remote Sensing of Environment</i> , 2018, 204, 347-365.	4.6	62
103	Short-term variability of suspended sediment and phytoplankton in Tampa Bay, Florida: Observations from a coastal oceanographic tower and ocean color satellites. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 89, 62-72.	0.9	61
104	Satellite remote sensing of pelagic Sargassum macroalgae: The power of high resolution and deep learning. <i>Remote Sensing of Environment</i> , 2021, 264, 112631.	4.6	61
105	An EOF-Based Algorithm to Estimate Chlorophyll a Concentrations in Taihu Lake from MODIS Land-Band Measurements: Implications for Near Real-Time Applications and Forecasting Models. <i>Remote Sensing</i> , 2014, 6, 10694-10715.	1.8	59
106	Improving Satellite Global Chlorophyll <i>a</i> Data Products Through Algorithm Refinement and Data Recovery. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1524-1543.	1.0	58
107	Sargassum Watch Warns of Incoming Seaweed. <i>Eos</i> , 2016, 97, .	0.1	58
108	Physical connectivity in the Mesoamerican Barrier Reef System inferred from 9 years of ocean color observations. <i>Coral Reefs</i> , 2009, 28, 415-425.	0.9	57

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109	How Did the Deepwater Horizon Oil Spill Affect Coastal and Continental Shelf Ecosystems of the Gulf of Mexico?. <i>Oceanography</i> , 2016, 29, 160-173.	0.5	56
110	Colored Dissolved Organic Matter in the Coastal Ocean: An Optical Tool for Coastal Zone Environmental Assessment and Management. <i>Oceanography</i> , 2004, 17, 50-59.	0.5	55
111	Surface oil footprint and trajectory of the Ixtoc-I oil spill determined from Landsat/MSS and CZCS observations. <i>Marine Pollution Bulletin</i> , 2015, 101, 632-641.	2.3	55
112	World's Largest Macroalgal Blooms Altered Phytoplankton Biomass in Summer in the Yellow Sea: Satellite Observations. <i>Remote Sensing</i> , 2015, 7, 12297-12313.	1.8	55
113	A novel microfluidic immunoassay system based on electrochemical immunosensors: An application for the detection of NT-proBNP in whole blood. <i>Biosensors and Bioelectronics</i> , 2012, 31, 480-485.	5.3	54
114	LXR-mediated downregulation of FOXM1 suppresses the proliferation of hepatocellular carcinoma cells. <i>Oncogene</i> , 2014, 33, 2888-2897.	2.6	53
115	Sensing an intense phytoplankton bloom in the western Taiwan Strait from radiometric measurements on a UAV. <i>Remote Sensing of Environment</i> , 2017, 198, 85-94.	4.6	52
116	Tracking an Oil Tanker Collision and Spilled Oils in the East China Sea Using Multisensor Day and Night Satellite Imagery. <i>Geophysical Research Letters</i> , 2018, 45, 3212-3220.	1.5	52
117	In search of floating algae and other organisms in global oceans and lakes. <i>Remote Sensing of Environment</i> , 2020, 239, 111659.	4.6	52
118	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.	4.6	52
119	Use of Landsat data to track historical water quality changes in Florida Keys marine environments. <i>Remote Sensing of Environment</i> , 2014, 140, 485-496.	4.6	51
120	Identification of broadly conserved cross-species protective <i>Leishmania</i> antigen and its responding CD4 ⁺ T cells. <i>Science Translational Medicine</i> , 2015, 7, 310ra167.	5.8	51
121	Remotely sensed sea-surface chlorophyll and POC flux at Deep Gulf of Mexico Benthos sampling stations. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2555-2562.	0.6	50
122	Cloud adjacency effects on top-of-atmosphere radiance and ocean color data products: A statistical assessment. <i>Remote Sensing of Environment</i> , 2016, 174, 301-313.	4.6	50
123	Improving ocean color data coverage through machine learning. <i>Remote Sensing of Environment</i> , 2019, 222, 286-302.	4.6	50
124	On the remote estimation of <i>Ulva prolifera</i> areal coverage and biomass. <i>Remote Sensing of Environment</i> , 2019, 223, 194-207.	4.6	49
125	IBP-mediated suppression of autophagy promotes growth and metastasis of breast cancer cells via activating mTORC2/Akt/FOXO3a signaling pathway. <i>Cell Death and Disease</i> , 2013, 4, e842-e842.	2.7	48
126	Estimating phycocyanin pigment concentration in productive inland waters using Landsat measurements: A case study in Lake Dianchi. <i>Optics Express</i> , 2015, 23, 3055.	1.7	48

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127	Ocean Color Reveals Phase Shift Between Marine Plants and Yellow Substance. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2006, 3, 262-266.	1.4	47
128	A novel, label-free immunosensor for the detection of β -fetoprotein using functionalised gold nanoparticles. <i>Clinical Biochemistry</i> , 2009, 42, 1524-1530.	0.8	47
129	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
130	Downregulation of ATG5-dependent macroautophagy by chaperone-mediated autophagy promotes breast cancer cell metastasis. <i>Scientific Reports</i> , 2017, 7, 4759.	1.6	47
131	Optical interpretation of oil emulsions in the ocean – Part I: Laboratory measurements and proof-of-concept with AVIRIS observations. <i>Remote Sensing of Environment</i> , 2019, 230, 111183.	4.6	46
132	Satellites Capture the Drought Severity Around China's Largest Freshwater Lake. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012, 5, 1266-1271.	2.3	45
133	IBP regulates epithelial-to-mesenchymal transition and the motility of breast cancer cells via Rac1, RhoA and Cdc42 signaling pathways. <i>Oncogene</i> , 2014, 33, 3374-3382.	2.6	45
134	Cross-Sensor Continuity of Satellite-Derived Water Clarity in the Gulf of Mexico: Insights Into Temporal Aliasing and Implications for Long-Term Water Clarity Assessment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 1761-1772.	2.7	45
135	A Harmful Algal Bloom of <i>Karenia brevis</i> in the Northeastern Gulf of Mexico as Revealed by MODIS and VIIRS: A Comparison. <i>Sensors</i> , 2015, 15, 2873-2887.	2.1	45
136	Land adjacency effects on $\text{MODIS A}_{\text{toa}}$ of atmosphere radiance in the shortwave infrared: statistical assessment and correction. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4802-4818.	1.0	45
137	Long-term distribution patterns of remotely sensed water quality parameters in Chesapeake Bay. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 128, 93-103.	0.9	44
138	Baroclinic tidal flows and inundation processes in Cook Inlet, Alaska: numerical modeling and satellite observations. <i>Ocean Dynamics</i> , 2007, 57, 205-221.	0.9	43
139	Trajectory Forecast as a Rapid Response to the Deepwater Horizon Oil Spill. <i>Geophysical Monograph Series</i> , 2011, , 153-165.	0.1	43
140	Estimation of cyanobacterial pigments in a freshwater lake using OCM satellite data. <i>Remote Sensing of Environment</i> , 2011, 115, 3409-3423.	4.6	43
141	Optical interpretation of oil emulsions in the ocean – Part II: Applications to multi-band coarse-resolution imagery. <i>Remote Sensing of Environment</i> , 2020, 242, 111778.	4.6	43
142	Estimation of colored dissolved organic matter and salinity fields in case 2 waters using SeaWiFS: Examples from Florida Bay and Florida Shelf. <i>Journal of Earth System Science</i> , 2002, 111, 197-207.	0.6	42
143	Spectral interdependence of remote-sensing reflectance and its implications on the design of ocean color satellite sensors. <i>Applied Optics</i> , 2014, 53, 3301.	0.9	42
144	Comparison of Valid Ocean Observations Between MODIS Terra and Aqua Over the Global Oceans. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 1575-1585.	2.7	42

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145	Mudflats and mud suspension observed from satellite data in French Guiana. <i>Marine Geology</i> , 2004, 208, 153-168.	0.9	41
146	Inherent and apparent optical properties of the complex estuarine waters of Tampa Bay: What controls light?. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 117, 54-69.	0.9	41
147	Sediment plumes induced by the Port of Miami dredging: Analysis and interpretation using Landsat and MODIS data. <i>Remote Sensing of Environment</i> , 2015, 170, 328-339.	4.6	41
148	Sun glint requirement for the remote detection of surface oil films. <i>Geophysical Research Letters</i> , 2016, 43, 309-316.	1.5	41
149	Remote sensing assessment of oil spills near a damaged platform in the Gulf of Mexico. <i>Marine Pollution Bulletin</i> , 2018, 136, 141-151.	2.3	41
150	Observations of water transparency in China's lakes from space. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 92, 102187.	1.4	41
151	Optical Remote Sensing of Oil Spills in the Ocean: What Is Really Possible?. <i>Journal of Remote Sensing</i> , 2021, 2021, .	3.2	41
152	Shoreline changes in west-central Florida between 1987 and 2008 from Landsat observations. <i>International Journal of Remote Sensing</i> , 2011, 32, 8299-8313.	1.3	40
153	Did Deepwater Horizon hydrocarbons transit to the west Florida continental shelf?. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 259-272.	0.6	40
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