

Xiaofeng Li

List of Publications by Year in descending order

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253
papers

6,067
citations

57758

44
h-index

102487

66
g-index

254
all docs

254
docs citations

254
times ranked

3106
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea Surface Wind Speed Retrieval From Textures in Synthetic Aperture Radar Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	4
2	A Deep Learning Model to Extract Ship Size From Sentinel-1 SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	15
3	Tropical Cyclone Intensity Estimation From Geostationary Satellite Imagery Using Deep Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	22
4	An Automatic Algorithm for Estimating Tropical Cyclone Centers in Synthetic Aperture Radar Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	1
5	Underwater Image Enhancement via Physical-Feedback Adversarial Transfer Learning. IEEE Journal of Oceanic Engineering, 2022, 47, 76-87.	3.8	25
6	Development of a Dual-Attention U-Net Model for Sea Ice and Open Water Classification on SAR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	45
7	Tropical Cyclone Center and Symmetric Structure Estimating From SMAP Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	4
8	Development of a component-based interactive visualization system for the analysis of ocean data. Big Earth Data, 2022, 6, 219-235.	4.4	4
9	Multilayer Fusion Recurrent Neural Network for Sea Surface Height Anomaly Field Prediction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	3
10	Automatic Waterline Extraction and Topographic Mapping of Tidal Flats From SAR Images Based on Deep Learning. Geophysical Research Letters, 2022, 49, .	4.0	23
11	Oceanic internal wave amplitude retrieval from satellite images based on a data-driven transfer learning model. Remote Sensing of Environment, 2022, 272, 112940.	11.0	28
12	AlgaeNet: A Deep-Learning Framework to Detect Floating Green Algae From Optical and SAR Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2782-2796.	4.9	19
13	Physics-informed deep-learning parameterization of ocean vertical mixing improves climate simulations. National Science Review, 2022, 9, .	9.5	29
14	The Fusion of Physical, Textural, and Morphological Information in SAR Imagery for Hurricane Wind Speed Retrieval Based on Deep Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	4
15	A Data-Driven Deep Learning Model for Weekly Sea Ice Concentration Prediction of the Pan-Arctic During the Melting Season. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	12
16	Classifying Sea Ice Types with a U-Net Model from Dual-polarized Sentinel-1 Images and GLCM Texture Feature. , 2022, , .		1
17	Automatic Waterline Extraction of Tidal Flats from SAR Images Based on Deep Convolutional Neural Networks. , 2022, , .		1
18	A Machine-learning-based Model to Inverse Internal Solitary Wave Amplitude from Satellite Image. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
19	A Deep Learning-based Model for Cold Anticyclonic Eddies and Warm Cyclonic Eddies Detection in the Kuroshio Extension. , 2022, , .		0
20	Carbon Sinks and Variations of CO_2 in the Southern Ocean From 1998 to 2018 Based on a Deep Learning Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3495-3503.	4.9	14
21	Dynamical Ocean Responses to Typhoon Malakas (2016) in the Vicinity of Taiwan. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016663.	2.6	12
22	Combination of Satellite Observations and Machine Learning Method for Internal Wave Forecast in the Sulu and Celebes Seas. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2822-2832.	6.3	31
23	Effects of Temperature on Sea Surface Radar Backscattering Under Neutral and Nonneutral Atmospheric Conditions for Wind Retrieval Applications: A Numerical Study. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2727-2743.	6.3	7
24	Microwave Satellite Measurements for Coastal Area and Extreme Weather Monitoring. Remote Sensing, 2021, 13, 3126.	4.0	9
25	Characteristics of Global Ocean Abnormal Mesoscale Eddies Derived From the Fusion of Sea Surface Height and Temperature Data by Deep Learning. Geophysical Research Letters, 2021, 48, e2021GL094772.	4.0	34
26	Developing big ocean system in support of Sustainable Development Goals: challenges and countermeasures. Big Earth Data, 2021, 5, 557-575.	4.4	8
27	A Machine-Learning Model for Forecasting Internal Wave Propagation in the Andaman Sea. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3095-3106.	4.9	22
28	A Deep Learning Model for Eddy Tracking Based on Multi-Source Remote Sensing Imagery. , 2021, , .		0
29	Classification of Multi-Channel SAR Data Based on MB-U ² -ACNet Model for Shanghai Nanhui Dongtan Intertidal Zone Environment Monitoring. , 2021, , .		2
30	The Retrieval of Hurricane Wind Speed Based on the Support Vector Machine. , 2021, , .		1
31	Satellite-Data-Driven Propagation Speed Model for Internal Solitary Waves in the Shallow and Deep Oceans. , 2021, , .		1
32	A Deep Learning Model for Subsurface Mesoscale Eddy Detection Based on Remote Sensing Images. , 2021, , .		0
33	Predicting Daily Arctic Sea Ice Concentration in the Melt Season Based on a Deep Fully Convolution Network Model. , 2021, , .		0
34	Quantitative Evaluation of Algae Detection Based on Deep Neural Network Multi-Source Data Fusion. , 2021, , .		0
35	Distribution Characteristics of Green Algae in Yellow Sea Using an Deep Learning Automatic Detection Procedure. , 2021, , .		6
36	Classifying Sea Ice Types from SAR Images Using a U-Net-Based Deep Learning Model. , 2021, , .		2

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37	Tropical Cyclone Winds and Inflow Angle Asymmetry From SAR Imagery. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095699.	4.0	7
38	Sea-land Segmentation of Synthetic Aperture Radar Imagery Using Deep Neural Network Models. , 2021, , .		0
39	Purely satellite data-driven deep learning forecast of complicated tropical instability waves. <i>Science Advances</i> , 2020, 6, eaba1482.	10.3	122
40	Improving seismic remote sensing of typhoon with a three-dimensional Earth model. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 478-491.	1.1	2
41	Characteristics and generations of internal wave in the Sulu Sea inferred from optical satellite images. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 1435-1444.	1.3	19
42	Deep-learning-based information mining from ocean remote-sensing imagery. <i>National Science Review</i> , 2020, 7, 1584-1605.	9.5	197
43	A Novel Marine Oil Spillage Identification Scheme Based on Convolution Neural Network Feature Extraction From Fully Polarimetric SAR Imagery. <i>IEEE Access</i> , 2020, 8, 59801-59820.	4.2	35
44	A Deep Learning Model for Oceanic Mesoscale Eddy Detection Based on Multi-source Remote Sensing Imagery. , 2020, , .		2
45	Automatic Extraction of Internal Wave Signature from Multiple Satellite Sensors Based on Deep Convolutional Neural Networks. , 2020, , .		3
46	Automatic Mapping of Tropical Cyclone-Induced Coastal Inundation in SAR Imagery Based on Clustering of Deep Features. , 2020, , .		1
47	A Numerical Study of SST Effects on Ocean Radar Backscattering. , 2020, , .		1
48	Sea Ice and Open Water Classification of SAR Images Using a Deep Learning Model. , 2020, , .		6
49	CNN-Based Tropical Cyclone Track Forecasting from Satellite Infrared Images. , 2020, , .		1
50	Satellite Observation of Transmeridional Propagating Internal Waves in the Celebes Sea. , 2020, , .		2
51	Using Artificial Neural Network Ensembles With Cropping Resampling Technique to Retrieve Sea Surface Temperature From HY-2A Scanning Microwave Radiometer Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 985-1000.	6.3	10
52	Wave parameters retrieval for dual-polarization C-band synthetic aperture radar using a theoretical-based algorithm under cyclonic conditions. <i>Acta Oceanologica Sinica</i> , 2019, 38, 21-31.	1.0	14
53	Automatically Locate Tropical Cyclone Centers Using Top Cloud Motion Data Derived From Geostationary Satellite Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 10175-10190.	6.3	16
54	Sea State Bias Variability in Satellite Altimetry Data. <i>Remote Sensing</i> , 2019, 11, 1176.	4.0	7

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55	A Novel Vessel Velocity Estimation Method Using Dual-Platform TerraSAR-X and TanDEM-X Full Polarimetric SAR Data in Pursuit Monostatic Mode. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 6130-6144.	6.3	9
56	Self-Paced Convolutional Neural Network for PolSAR Images Classification. <i>Remote Sensing</i> , 2019, 11, 424.	4.0	7
57	Estimating Typhoon Intensity with Convolutional Neural Network. , 2019, , .		4
58	Coastal Inundation Mapping From Bitemporal and Dual-Polarization SAR Imagery Based on Deep Convolutional Neural Networks. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 9101-9113.	2.6	51
59	The impact of rain to observed signal from Chinese Gaofen-3 synthetic aperture radar in typhoons. <i>Acta Oceanologica Sinica</i> , 2019, 38, 121-133.	1.0	17
60	Sea Surface Wind Retrieval from Synthetic Aperture Radar Data by Deep Convolutional Neural Networks. , 2019, , .		5
61	Retrieval of Winds and Waves from Synthetic Aperture Radar Imagery. , 2019, , 285-303.		2
62	Ship Detection From PolSAR Imagery Using the Complete Polarimetric Covariance Difference Matrix. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 2824-2839.	6.3	49
63	Identification of Tropical Cyclone Centers in SAR Imagery Based on Template Matching and Particle Swarm Optimization Algorithms. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 598-608.	6.3	19
64	Activities of the GRSS Washington/Northern Virginia Chapter [Chapters]. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2018, 6, 47-48.	9.6	0
65	Tropical Cyclone Boundary Layer Rolls in Synthetic Aperture Radar Imagery. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 2981-2996.	2.6	20
66	Sea Surface Temperature Retrieval from the First Korean Geostationary Satellite COMS Data: Validation and Error Assessment. <i>Remote Sensing</i> , 2018, 10, 1916.	4.0	21
67	Analysis of impacting factors on polarimetric SAR oil spill detection. <i>Acta Oceanologica Sinica</i> , 2018, 37, 77-87.	1.0	3
68	Classification of PolSAR Images Using Multilayer Autoencoders and a Self-Paced Learning Approach. <i>Remote Sensing</i> , 2018, 10, 110.	4.0	30
69	Upper Ocean Response to Typhoon Kalmaegi and Sarika in the South China Sea from Multiple-Satellite Observations and Numerical Simulations. <i>Remote Sensing</i> , 2018, 10, 348.	4.0	47
70	Seismological Observations of Ocean Swells Induced by Typhoon Megi Using Dispersive Microseisms Recorded in Coastal Areas. <i>Remote Sensing</i> , 2018, 10, 1437.	4.0	7
71	Seismic Remote Sensing of Super Typhoon Lupit (2009) with Seismological Array Observation in NE China. <i>Remote Sensing</i> , 2018, 10, 235.	4.0	8
72	Spatio-Temporal Variability of Annual Sea Level Cycle in the Baltic Sea. <i>Remote Sensing</i> , 2018, 10, 528.	4.0	5

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73	Development of a Gray-Level Co-Occurrence Matrix-Based Texture Orientation Estimation Method and Its Application in Sea Surface Wind Direction Retrieval From SAR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5244-5260.	6.3	45
74	A C-Band Geophysical Model Function for Determining Coastal Wind Speed Using Synthetic Aperture Radar. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2417-2428.	4.9	55
75	Impact of Ships and Ocean Fronts on Coastal Sea Surface Wind Measurements From the Advanced Scatterometer. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2162-2169.	4.9	18
76	Retrieving Hurricane Wind Speed From Dominant Wave Parameters. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2589-2598.	4.9	15
77	Estuarine Plume: A Case Study by Satellite SAR Observations and <i>In Situ</i> Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2276-2287.	6.3	7
78	Observation of Wind Direction Change on the Sea Surface Temperature Front Using High-Resolution Full Polarimetric SAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2599-2607.	4.9	22
79	Impacts of oil spills on altimeter waveforms and radar backscatter cross section. Journal of Geophysical Research: Oceans, 2017, 122, 3621-3637.	2.6	13
80	Remote Sensing Studies of Suspended Sediment Concentration Variations in a Coastal Bay During the Passages of Atmospheric Cold Fronts. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2608-2622.	4.9	10
81	Observing Typhoons from Satellite-Derived Images. Springer Natural Hazards, 2017, , 183-214.	0.3	0
82	Coupled Nature of Hurricane Wind and Wave Properties for Ocean Remote Sensing of Hurricane Wind Speed. Springer Natural Hazards, 2017, , 215-236.	0.3	1
83	Synthetic Aperture Radar Observations of Extreme Hurricane Wind and Rain. Springer Natural Hazards, 2017, , 299-346.	0.3	0
84	Tropical Cyclone Multiscale Wind Features from Spaceborne Synthetic Aperture Radar. Springer Natural Hazards, 2017, , 25-39.	0.3	3
85	Tropical Cyclone Wind Field Reconstruction from SAR and Analytical Model. Springer Natural Hazards, 2017, , 69-84.	0.3	0
86	A Hurricane Wind Speed Retrieval Model for C-Band RADARSAT-2 Cross-Polarization ScanSAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4766-4774.	6.3	87
87	Compact Polarimetric Synthetic Aperture Radar for Marine Oil Platform and Slick Detection. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1407-1423.	6.3	30
88	A Hurricane Morphology and Sea Surface Wind Vector Estimation Model Based on C-Band Cross-Polarization SAR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1743-1751.	6.3	50
89	A Fully Polarimetric SAR Imagery Classification Scheme for Mud and Sand Flats in Intertidal Zones. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1734-1742.	6.3	33
90	Internal Solitary Wave Reflection Near Dongsha Atoll, the South China Sea. Journal of Geophysical Research: Oceans, 2017, 122, 7978-7991.	2.6	40

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91	Bridging the gap between cyclone wind and wave by C-band SAR measurements. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6714-6724.	2.6	41
92	Development and validation of an ocean wave retrieval algorithm for VV-polarization Sentinel-1 SAR data. <i>Acta Oceanologica Sinica</i> , 2017, 36, 95-101.	1.0	31
93	A Salient Region Detection and Pattern Matching-Based Algorithm for Center Detection of a Partially Covered Tropical Cyclone in a SAR Image. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 280-291.	6.3	35
94	Ocean Upwelling Along the Yellow Sea Coast of China Revealed by Satellite Observations and Numerical Simulation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 526-536.	6.3	14
95	Sea Fetch Observed by Synthetic Aperture Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 272-279.	6.3	8
96	Application sentinel-1 SAR data for ocean research and operation. , 2017, , .		0
97	A weighted joint sparse of three channels method for full POL-SAR data classification. , 2017, , .		2
98	From research to operations based on contributions from Werner Alpers. , 2017, , .		1
99	The impact of oceanographic conditions on fishing ground distribution of flying squid (<i>Ommastrephes bartrami</i>) in the Western North Pacific using remotely sensed satellite data. , 2017, , .		1
100	Geostationary satellite observations and numerical simulation of typhoon-induced upwelling to the Northeast of Taiwan. , 2017, , .		4
101	An Empirical Algorithm for Wave Retrieval from Co-Polarization X-Band SAR Imagery. <i>Remote Sensing</i> , 2017, 9, 711.	4.0	14
102	Estimating Tropical Cyclone Size in the Northwestern Pacific from Geostationary Satellite Infrared Images. <i>Remote Sensing</i> , 2017, 9, 728.	4.0	34
103	Ocean Oil Spill Classification with RADARSAT-2 SAR Based on an Optimized Wavelet Neural Network. <i>Remote Sensing</i> , 2017, 9, 799.	4.0	45
104	Technical Evaluation of Sentinel-1 IW Mode Cross-Pol Radar Backscattering from the Ocean Surface in Moderate Wind Condition. <i>Remote Sensing</i> , 2017, 9, 854.	4.0	27
105	Mechanisms of SAR Imaging of Shallow Water Topography of the Subei Bank. <i>Remote Sensing</i> , 2017, 9, 1203.	4.0	13
106	SAR imaging of internal gravity waves: From atmosphere to ocean. , 2017, , .		0
107	SAR imaging of oceanic and atmospheric gravity waves. , 2017, , .		0
108	On the use of Sentinel-1 cross-polarization imagery for wind speed retrieval. , 2017, , .		5

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109	An Improved Local Gradient Method for Sea Surface Wind Direction Retrieval from SAR Imagery. Remote Sensing, 2017, 9, 671.	4.0	34
110	Extracting Hurricane Eye Morphology from Spaceborne SAR Images Using Morphological Analysis. Springer Natural Hazards, 2017, , 119-139.	0.3	2
111	Tropical Cyclone Center Location in SAR Images Based on Feature Learning and Visual Saliency. Springer Natural Hazards, 2017, , 141-181.	0.3	3
112	Electromagnetic Scattering of Rainfall and Tropical Cyclones over Ocean. Springer Natural Hazards, 2017, , 271-298.	0.3	1
113	Tropical Cyclone Eye Morphology and Extratropical-Cyclone-Forced Mountain Lee Waves on SAR Imagery. Springer Natural Hazards, 2017, , 373-398.	0.3	0
114	Variability of Atmospheric, Oceanic, and Hydrological Phenomena. Advances in Meteorology, 2016, 2016, 1-1.	1.6	0
115	Ocean Wave Parameters Retrieval from Sentinel-1 SAR Imagery. Remote Sensing, 2016, 8, 707.	4.0	54
116	Polarimetric Analysis of Compact-Polarimetry SAR Architectures for Sea Oil Slick Observation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5862-5874.	6.3	60
117	Rain effects on the hurricane observations over the ocean by C-band Synthetic Aperture Radar. Journal of Geophysical Research: Oceans, 2016, 121, 14-26.	2.6	43
118	SAR imaging and numerical simulation of upwelling processes near the coastal area of Qingdao in China. , 2016, , .		1
119	Application Sentinel-1 SAR data for ocean research and operation. , 2016, , .		1
120	Foreword to the Special Issue on the Remote Sensing of the World Oceans. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4895-4897.	4.9	0
121	Marine oil slick and platform detection by compact polrimetric synthetic aperture radar. , 2016, , .		2
122	SAR observation and WRF model simulation of land breeze in Hainan Island, China. , 2016, , .		0
123	SAR Observation of Eddy-Induced Mode-2 Internal Solitary Waves in the South China Sea. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6674-6686.	6.3	35
124	Coastal Zone Classification With Fully Polarimetric SAR Imagery. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1616-1620.	3.1	25
125	Remote sensing observations and numerical studies of a super typhoon-induced suspended sediment concentration variation in the East China Sea. Ocean Modelling, 2016, 104, 187-202.	2.4	26
126	Dynamical analysis of a satellite-observed anticyclonic eddy in the northern Bering Sea. Journal of Geophysical Research: Oceans, 2016, 121, 3517-3531.	2.6	8

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127	SAR Observation and Numerical Simulation of Mountain Lee Waves Near Kuril Islands Forced by an Extratropical Cyclone. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7157-7165.	6.3	10
128	Fetch-limited surface wave growth inside tropical cyclones and hurricane wind speed retrieval. , 2016, , .		2
129	Mechanisms for rain effects on Synthetic Aperture Radar. , 2016, , .		2
130	Non-Bragg scattering contributions to the dual-polarized SAR imaging of Hurricane Earl. , 2016, , .		0
131	An automatic method for tropical cyclone center determination from SAR. , 2016, , .		7
132	Coastal zone land-use classification of full-polarization SAR data based on joint sparse. , 2016, , .		0
133	Application of AMSR-E and AMSR2 Low-Frequency Channel Brightness Temperature Data for Hurricane Wind Retrievals. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4501-4512.	6.3	17
134	Extracting hurricane eye morphology from spaceborne SAR images using morphological analysis. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 117, 115-125.	11.1	38
135	Comparison of Typhoon Centers From SAR and IR Images and Those From Best Track Data Sets. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1000-1012.	6.3	29
136	Preliminary Evaluation of Sentinel-1A Wind Speed Retrievals. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2638-2642.	4.9	75
137	SAR imaging of mode-2 internal waves in the South China Sea. , 2015, , .		0
138	Synergistic measurements of ocean winds and waves from SAR. Journal of Geophysical Research: Oceans, 2015, 120, 6164-6184.	2.6	29
139	Ocean Wave Parameters Retrieval from TerraSAR-X Images Validated against Buoy Measurements and Model Results. Remote Sensing, 2015, 7, 12815-12828.	4.0	30
140	Early validation of operational SAR wind retrievals from Sentinel-1A. , 2015, , .		0
141	Fetch imaged by SAR and simulated by WRF model. , 2015, , .		1
142	Spot detection from MODIS imagery using 2P-CFAR. , 2015, , .		0
143	NOAA operational SAR winds — Current status and plans for Sentinel-1A. , 2015, , .		4
144	A Backscattering Model of Rainfall Over Rough Sea Surface for Synthetic Aperture Radar. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3042-3054.	6.3	59

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145	The first Sentinel-1 SAR image of a typhoon. <i>Acta Oceanologica Sinica</i> , 2015, 34, 1-2.	1.0	62
146	SAR imaging of a topography-induced current front in a tidal channel. <i>International Journal of Remote Sensing</i> , 2015, 36, 3563-3574.	2.9	9
147	Remote sensing of spatial-temporal distribution of suspended sediment and analysis of related environmental factors in Hangzhou Bay, China. <i>Remote Sensing Letters</i> , 2015, 6, 597-603.	1.4	27
148	Synergistic Use of Satellite Observations and Numerical Weather Model to Study Atmospheric Occluded Fronts. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 5269-5279.	6.3	8
149	Detection of the Hebei Spirit oil spill on SAR imagery and its temporal evolution in a coastal region of the Yellow Sea. <i>Advances in Space Research</i> , 2015, 56, 1079-1093.	2.6	28
150	NOAA/AVHRR sea surface temperature accuracy in the East/Japan Sea. <i>International Journal of Digital Earth</i> , 2015, 8, 784-804.	3.9	20
151	Sea Oil Slick Observation Using Hybrid-Polarity SAR Architecture. <i>IEEE Journal of Oceanic Engineering</i> , 2015, 40, 426-440.	3.8	63
152	Performance Analysis and Validation of Waterline Extraction Approaches Using Single- and Dual-Polarimetric SAR Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, , 1-1.	4.9	37
153	Mathematical morphological analysis of typical cyclone eyes on ocean SAR. , 2014, , .		3
154	Oil spill detection in SAR images using multiscale normalized cut segmentation. , 2014, , .		0
155	Inferring internal wave phase speed from multi-satellite observations. , 2014, , .		3
156	Ocean Wind Speed Climatology from Spaceborne SAR Imagery. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 565-569.	3.3	24
157	Satellite observations of oil spills in Bohai Sea. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 17, 012114.	0.3	0
158	Observation and simulation of 2010 ULVA prolifera bloom in the Yellow Sea. , 2014, , .		0
159	Coastline detection in SAR images using multiscale normalized cut segmentation. , 2014, , .		11
160	Physics-based scattering model of rainfall over sea surface. , 2014, , .		1
161	Coastline Extraction Using Dual-Polarimetric COSMO-SkyMed PingPong Mode SAR Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 104-108.	3.1	66
162	Internal solitary wave propagation observed by tandem satellites. <i>Geophysical Research Letters</i> , 2014, 41, 2077-2085.	4.0	50

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163	Tracking the internal waves in the South China Sea with environmental satellite sun glint images. Remote Sensing Letters, 2014, 5, 609-618.	1.4	27
164	Monitoring of Oil Spill Trajectories With COSMO-SkyMed X-Band SAR Images and Model Simulation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2895-2901.	4.9	48
165	Summertime sea surface temperature and salinity fronts in the southern Taiwan Strait. International Journal of Remote Sensing, 2014, 35, 4452-4466.	2.9	7
166	Remote sensing of the China Seas. International Journal of Remote Sensing, 2014, 35, 3919-3925.	2.9	4
167	Internal solitary waves in the China seas observed using satellite remote-sensing techniques: a review and perspectives. International Journal of Remote Sensing, 2014, 35, 3926-3946.	2.9	54
168	SAR-derived wind fields at the coastal region in the East/Japan Sea and relation to coastal upwelling. International Journal of Remote Sensing, 2014, 35, 3947-3965.	2.9	28
169	Typhoon eye extraction with an automatic SAR image segmentation method. International Journal of Remote Sensing, 2014, 35, 3978-3993.	2.9	37
170	Shoreline movement monitoring based on SAR images in Shanghai, China. International Journal of Remote Sensing, 2014, 35, 3994-4008.	2.9	22
171	Generation sites of internal solitary waves in the southern Taiwan Strait revealed by MODIS true-colour image observations. International Journal of Remote Sensing, 2014, 35, 4086-4098.	2.9	37
172	SAR monitoring of coastline change in Shanghai, China. IOP Conference Series: Earth and Environmental Science, 2014, 17, 012113.	0.3	0
173	Estimation of tropical cyclone parameters and wind fields from SAR images. Science China Earth Sciences, 2013, 56, 1977-1987.	5.2	33
174	Oil Spill Mapping and Measurement in the Gulf of Mexico With Textural Classifier Neural Network Algorithm (TCNNA). IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2517-2525.	4.9	102
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