

Xiaofeng Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/975528/publications.pdf>

Version: 2024-02-01

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	Deep-learning-based information mining from ocean remote-sensing imagery. National Science Review, 2020, 7, 1584-1605.	9.5	197
2	Detection of natural oil slicks in the NW Gulf of Mexico using MODIS imagery. Geophysical Research Letters, 2009, 36, .	4.0	159
3	Mapping sea surface oil slicks using RADARSAT-2 quad-polarization SAR image. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	148
4	SAR observation and model tracking of an oil spill event in coastal waters. Marine Pollution Bulletin, 2011, 62, 350-363.	5.0	136
5	Tropical Cyclone Morphology from Spaceborne Synthetic Aperture Radar. Bulletin of the American Meteorological Society, 2013, 94, 215-230.	3.3	134
6	Comparison of Ocean Surface Winds From ENVISAT ASAR, MetOp ASCAT Scatterometer, Buoy Measurements, and NOGAPS Model. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4743-4750.	6.3	128
7	Using SAR images to delineate ocean oil slicks with a texture-classifying neural network algorithm (TCNNA). Canadian Journal of Remote Sensing, 2009, 35, 411-421.	2.4	125
8	Purely satellite data-driven deep learning forecast of complicated tropical instability waves. Science Advances, 2020, 6, eaba1482.	10.3	122
9	Ocean Vector Winds Retrieval From C-Band Fully Polarimetric SAR Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 4252-4261.	6.3	113
10	Monitoring of the water-area variations of Lake Dongting in China with ENVISAT ASAR images. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 894-901.	2.8	112
11	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
12	A Multifrequency Polarimetric SAR Processing Chain to Observe Oil Fields in the Gulf of Mexico. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4729-4737.	6.3	101
13	Validation of coastal sea and lake surface temperature measurements derived from NOAA/AVHRR data. International Journal of Remote Sensing, 2001, 22, 1285-1303.	2.9	93
14	Comparison of Ocean-Surface Winds Retrieved From QuikSCAT Scatterometer and Radarsat-1 SAR in Offshore Waters of the U.S. West Coast. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 163-167.	3.1	88
15	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
16	Oil spill detection with fully polarimetric UAVSAR data. Marine Pollution Bulletin, 2011, 62, 2611-2618.	5.0	81
17	Satellite observations and modeling of oil spill trajectories in the Bohai Sea. Marine Pollution Bulletin, 2013, 71, 107-116.	5.0	80
18	Ship Detection in SAR Image Based on the Alpha-stable Distribution. Sensors, 2008, 8, 4948-4960.	3.8	77

#	ARTICLE	IF	CITATIONS
19	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
20	Estimating parameters of a two-layer stratified ocean from polarity conversion of internal solitary waves observed in satellite SAR images. Remote Sensing of Environment, 2004, 92, 276-287.	11.0	70
21	Internal solitary waves in the northwestern South China Sea inferred from satellite images. Geophysical Research Letters, 2008, 35, .	4.0	70
22	Internal solitary wave refraction at Dongsha Atoll, South China Sea. Geophysical Research Letters, 2013, 40, 3128-3132.	4.0	68
23	Coastline Extraction Using Dual-Polarimetric COSMO-SkyMed PingPong Mode SAR Data. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 104-108.	3.1	66
24	Sea Oil Slick Observation Using Hybrid-Polarity SAR Architecture. IEEE Journal of Oceanic Engineering, 2015, 40, 426-440.	3.8	63
25	The first Sentinel-1 SAR image of a typhoon. Acta Oceanologica Sinica, 2015, 34, 1-2.	1.0	62
26	Observation of hurricane-generated ocean swell refraction at the Gulf Stream north wall with the RADARSAT-1 synthetic aperture radar. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 2131-2142.	6.3	61
27	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
28	A Systematic Comparison of the Effect of Polarization Ratio Models on Sea Surface Wind Retrieval From C-Band Synthetic Aperture Radar. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1100-1108.	4.9	59
29	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
30	Identification of ocean oil spills in SAR imagery based on fuzzy logic algorithm. International Journal of Remote Sensing, 2010, 31, 4819-4833.	2.9	57
31	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
32	GhostNet marine debris survey in the Gulf of Alaska – Satellite guidance and aircraft observations. Marine Pollution Bulletin, 2012, 65, 28-41.	5.0	54
33	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
34	Ocean Wave Parameters Retrieval from Sentinel-1 SAR Imagery. Remote Sensing, 2016, 8, 707.	4.0	54
35	Coastal Inundation Mapping From Bitemporal and Dual-Polarization SAR Imagery Based on Deep Convolutional Neural Networks. Journal of Geophysical Research: Oceans, 2019, 124, 9101-9113.	2.6	51
36	Internal solitary wave propagation observed by tandem satellites. Geophysical Research Letters, 2014, 41, 2077-2085.	4.0	50

#	ARTICLE	IF	CITATIONS
37	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
38	Ship Detection From PolSAR Imagery Using the Complete Polarimetric Covariance Difference Matrix. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2824-2839.	6.3	49
39	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
40	A two-scale model to predict C-band VV and HH normalized radar cross section values over the ocean. Canadian Journal of Remote Sensing, 2002, 28, 367-384.	2.4	47
41	Circular plumes in Lake Pontchartrain estuary under wind straining. Estuarine, Coastal and Shelf Science, 2008, 80, 161-172.	2.1	47
42	Sea Surface Manifestation of Along-Tidal-Channel Underwater Ridges Imaged by SAR. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2467-2477.	6.3	47
43	Upper Ocean Response to Typhoon Kalmaegi and Sarika in the South China Sea from Multiple-Satellite Observations and Numerical Simulations. Remote Sensing, 2018, 10, 348.	4.0	47
44	Ocean Oil Spill Classification with RADARSAT-2 SAR Based on an Optimized Wavelet Neural Network. Remote Sensing, 2017, 9, 799.	4.0	45
45	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
46	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
47	Atmospheric vortex streets on a RADARSAT SAR image. Geophysical Research Letters, 2000, 27, 1655-1658.	4.0	44
48	Analysis and Modeling of Atmospheric Gravity Waves Observed in RADARSAT SAR Images. Remote Sensing of Environment, 2000, 74, 343-361.	11.0	43
49	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
50	Bridging the gap between cyclone wind and wave by C-band SAR measurements. Journal of Geophysical Research: Oceans, 2017, 122, 6714-6724.	2.6	41
51	Coastal katabatic winds imaged by SAR. Geophysical Research Letters, 2007, 34, .	4.0	40
52	Internal Solitary Wave Reflection Near Dongsha Atoll, the South China Sea. Journal of Geophysical Research: Oceans, 2017, 122, 7978-7991.	2.6	40
53	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
54	Synthetic aperture radar observation of the sea surface imprints of upstream atmospheric solitons generated by flow impeded by an island. Journal of Geophysical Research, 2004, 109, .	3.3	37

#	ARTICLE	IF	CITATIONS
55	Typhoon eye extraction with an automatic SAR image segmentation method. <i>International Journal of Remote Sensing</i> , 2014, 35, 3978-3993.	2.9	37
56	Generation sites of internal solitary waves in the southern Taiwan Strait revealed by MODIS true-colour image observations. <i>International Journal of Remote Sensing</i> , 2014, 35, 4086-4098.	2.9	37
57	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
58	Ocean sand ridge signatures in the Bohai Sea observed by satellite ocean color and synthetic aperture radar measurements. <i>Remote Sensing of Environment</i> , 2011, 115, 1926-1934.	11.0	36
59	Coexistence of Atmospheric Gravity Waves and Boundary Layer Rolls Observed by SAR*. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 3448-3459.	1.7	36
60	SAR Observation of Eddy-Induced Mode-2 Internal Solitary Waves in the South China Sea. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 6674-6686.	6.3	35
61	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
62	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
63	SAR imaging of ocean surface oil seep trajectories induced by near inertial oscillation. <i>Remote Sensing of Environment</i> , 2013, 130, 182-187.	11.0	34
64	Estimating Tropical Cyclone Size in the Northwestern Pacific from Geostationary Satellite Infrared Images. <i>Remote Sensing</i> , 2017, 9, 728.	4.0	34
65	An Improved Local Gradient Method for Sea Surface Wind Direction Retrieval from SAR Imagery. <i>Remote Sensing</i> , 2017, 9, 671.	4.0	34
66	Characteristics of Global Ocean Abnormal Mesoscale Eddies Derived From the Fusion of Sea Surface Height and Temperature Data by Deep Learning. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094772.	4.0	34
67	Assessment of an analytical model for sea surface wind speed retrieval from spaceborne SAR. <i>International Journal of Remote Sensing</i> , 2010, 31, 993-1008.	2.9	33
68	Polarimetric synthetic aperture radar utilized to track oil spills. <i>Eos</i> , 2012, 93, 161-162.	0.1	33
69	Estimation of tropical cyclone parameters and wind fields from SAR images. <i>Science China Earth Sciences</i> , 2013, 56, 1977-1987.	5.2	33
70	A Fully Polarimetric SAR Imagery Classification Scheme for Mud and Sand Flats in Intertidal Zones. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1734-1742.	6.3	33
71	A SAR Observation and Numerical Study on Ocean Surface Imprints of Atmospheric Vortex Streets. <i>Sensors</i> , 2008, 8, 3321-3334.	3.8	32
72	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

#	ARTICLE	IF	CITATIONS
73	Combination of Satellite Observations and Machine Learning Method for Internal Wave Forecast in the Sulu and Celebes Seas. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 2822-2832.	6.3	31
74	Ocean Wave Parameters Retrieval from TerraSAR-X Images Validated against Buoy Measurements and Model Results. <i>Remote Sensing</i> , 2015, 7, 12815-12828.	4.0	30
75	Compact Polarimetric Synthetic Aperture Radar for Marine Oil Platform and Slick Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1407-1423.	6.3	30
76	Classification of PolSAR Images Using Multilayer Autoencoders and a Self-Paced Learning Approach. <i>Remote Sensing</i> , 2018, 10, 110.	4.0	30
77	Synergistic measurements of ocean winds and waves from SAR. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6164-6184.	2.6	29
78	Comparison of Typhoon Centers From SAR and IR Images and Those From Best Track Data Sets. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 1000-1012.	6.3	29
79	Physics-informed deep-learning parameterization of ocean vertical mixing improves climate simulations. <i>National Science Review</i> , 2022, 9, .	9.5	29
80	SAR-derived wind fields at the coastal region in the East/Japan Sea and relation to coastal upwelling. <i>International Journal of Remote Sensing</i> , 2014, 35, 3947-3965.	2.9	28
81	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
82	Oceanic internal wave amplitude retrieval from satellite images based on a data-driven transfer learning model. <i>Remote Sensing of Environment</i> , 2022, 272, 112940.	11.0	28
83	Tracking the internal waves in the South China Sea with environmental satellite sun glint images. <i>Remote Sensing Letters</i> , 2014, 5, 609-618.	1.4	27
84	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
85	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
86	Oil-Spill Monitoring in the Coastal Waters of Hong Kong and Vicinity. <i>Marine Geodesy</i> , 2012, 35, 93-106.	2.0	26
87	Remote sensing observations and numerical studies of a super typhoon-induced suspended sediment concentration variation in the East China Sea. <i>Ocean Modelling</i> , 2016, 104, 187-202.	2.4	26
88	Deep-water bathymetric features imaged by spaceborne SAR in the Gulf Stream region. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	25
89	Sea surface imprints of coastal mountain lee waves imaged by synthetic aperture radar. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25
90	Coastal Zone Classification With Fully Polarimetric SAR Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 1616-1620.	3.1	25

#	ARTICLE	IF	CITATIONS
91	Underwater Image Enhancement via Physical-Feedback Adversarial Transfer Learning. IEEE Journal of Oceanic Engineering, 2022, 47, 76-87.	3.8	25
92	Ocean Wind Speed Climatology from Spaceborne SAR Imagery. Bulletin of the American Meteorological Society, 2014, 95, 565-569.	3.3	24
93	Coastal upwelling observed by multi-satellite sensors. Science in China Series D: Earth Sciences, 2009, 52, 1030-1038.	0.9	23
94	Automatic Waterline Extraction and Topographic Mapping of Tidal Flats From SAR Images Based on Deep Learning. Geophysical Research Letters, 2022, 49, .	4.0	23
95	Observations of High-Frequency Internal Waves in the Southern Taiwan Strait. Journal of Coastal Research, 2013, 29, 1413.	0.3	22
96	Shoreline movement monitoring based on SAR images in Shanghai, China. International Journal of Remote Sensing, 2014, 35, 3994-4008.	2.9	22
97	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
98	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
99	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
100	Sea Surface Temperature Retrieval from the First Korean Geostationary Satellite COMS Data: Validation and Error Assessment. Remote Sensing, 2018, 10, 1916.	4.0	21
101	Deep-water seamount wakes on SEASAT SAR image in the Gulf Stream region. Geophysical Research Letters, 2012, 39, .	4.0	20
102	NOAA/AVHRR sea surface temperature accuracy in the East/Japan Sea. International Journal of Digital Earth, 2015, 8, 784-804.	3.9	20
103	Tropical Cyclone Boundary Layer Rolls in Synthetic Aperture Radar Imagery. Journal of Geophysical Research: Oceans, 2018, 123, 2981-2996.	2.6	20
104	Identification of Tropical Cyclone Centers in SAR Imagery Based on Template Matching and Particle Swarm Optimization Algorithms. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 598-608.	6.3	19
105	Characteristics and generations of internal wave in the Sulu Sea inferred from optical satellite images. Journal of Oceanology and Limnology, 2020, 38, 1435-1444.	1.3	19
106	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
107	Analysis of coastal lee waves along the coast of Texas observed in advanced very high resolution radiometer images. Journal of Geophysical Research, 2001, 106, 7017-7025.	3.3	18
108	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

#	ARTICLE	IF	CITATIONS
109	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
110	The impact of rain to observed signal from Chinese Gaofen-3 synthetic aperture radar in typhoons. Acta Oceanologica Sinica, 2019, 38, 121-133.	1.0	17
111	Coastally trapped atmospheric gravity waves on SAR, AVHRR and MODIS images. International Journal of Remote Sensing, 2008, 29, 1621-1634.	2.9	16
112	Automatically Locate Tropical Cyclone Centers Using Top Cloud Motion Data Derived From Geostationary Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10175-10190.	6.3	16
113	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
114	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
115	Ocean Upwelling Along the Yellow Sea Coast of China Revealed by Satellite Observations and Numerical Simulation. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 526-536.	6.3	14
116	An Empirical Algorithm for Wave Retrieval from Co-Polarization X-Band SAR Imagery. Remote Sensing, 2017, 9, 711.	4.0	14
117	Wave parameters retrieval for dual-polarization C-band synthetic aperture radar using a theoretical-based algorithm under cyclonic conditions. Acta Oceanologica Sinica, 2019, 38, 21-31.	1.0	14
118	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
119	A cloud line over the Gulf Stream. Geophysical Research Letters, 2004, 31, .	4.0	13
120	Impacts of oil spills on altimeter waveforms and radar backscatter cross section. Journal of Geophysical Research: Oceans, 2017, 122, 3621-3637.	2.6	13
121	Mechanisms of SAR Imaging of Shallow Water Topography of the Subei Bank. Remote Sensing, 2017, 9, 1203.	4.0	13
122	Evidence and mechanism of Hurricane Fran-Induced ocean cooling in the Charleston Trough. Geophysical Research Letters, 1998, 25, 769-772.	4.0	12
123	Validation of a CFAR vessel detection algorithm using known vessel locations. , 0, , .		12
124	Dynamical Ocean Responses to Typhoon Malakas (2016) in the Vicinity of Taiwan. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016663.	2.6	12
125	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
126	Atmospheric frontal gravity waves observed in satellite SAR images of the Bohai Sea and Huanghai Sea. Acta Oceanologica Sinica, 2010, 29, 35-43.	1.0	11

#	ARTICLE	IF	CITATIONS
127	Coastline detection in SAR images using multiscale normalized cut segmentation. , 2014, , .		11
128	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
129	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
130	Using Artificial Neural Network Ensembles With Cropping Resampling Technique to Retrieve Sea Surface Temperature From HY-2A Scanning Microwave Radiometer Data. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 985-1000.	6.3	10
131	SAR imaging of a topography-induced current front in a tidal channel. International Journal of Remote Sensing, 2015, 36, 3563-3574.	2.9	9
132	A Novel Vessel Velocity Estimation Method Using Dual-Platform TerraSAR-X and TanDEM-X Full Polarimetric SAR Data in Pursuit Monostatic Mode. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6130-6144.	6.3	9
133	Microwave Satellite Measurements for Coastal Area and Extreme Weather Monitoring. Remote Sensing, 2021, 13, 3126.	4.0	9
134	Synergistic Use of Satellite Observations and Numerical Weather Model to Study Atmospheric Occluded Fronts. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5269-5279.	6.3	8
135	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
136	Sea Fetch Observed by Synthetic Aperture Radar. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 272-279.	6.3	8
137	Seismic Remote Sensing of Super Typhoon Lupit (2009) with Seismological Array Observation in NE China. Remote Sensing, 2018, 10, 235.	4.0	8
138	Developing big ocean system in support of Sustainable Development Goals: challenges and countermeasures. Big Earth Data, 2021, 5, 557-575.	4.4	8
139	Technical note: Evidence of the coexistence of upstream and downstream solitary wavetrains in the real atmosphere. International Journal of Remote Sensing, 2004, 25, 4433-4440.	2.9	7
140	Synthetic Aperture Radar Imaging of Axial Convergence Fronts in Cook Inlet, Alaska. IEEE Journal of Oceanic Engineering, 2005, 30, 543-551.	3.8	7
141	Ocean Surface Wind Speed of Hurricane Helene Observed by SAR. Procedia Environmental Sciences, 2011, 10, 2097-2101.	1.4	7
142	Summertime sea surface temperature and salinity fronts in the southern Taiwan Strait. International Journal of Remote Sensing, 2014, 35, 4452-4466.	2.9	7
143	An automatic method for tropical cyclone center determination from SAR. , 2016, , .		7
144	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

#	ARTICLE	IF	CITATIONS
145	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
146	Sea State Bias Variability in Satellite Altimetry Data. <i>Remote Sensing</i> , 2019, 11, 1176.	4.0	7
147	Self-Paced Convolutional Neural Network for PolSAR Images Classification. <i>Remote Sensing</i> , 2019, 11, 424.	4.0	7
148	Effects of Temperature on Sea Surface Radar Backscattering Under Neutral and Nonneutral Atmospheric Conditions for Wind Retrieval Applications: A Numerical Study. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 2727-2743.	6.3	7
149	Tropical Cyclone Winds and Inflow Angle Asymmetry From SAR Imagery. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095699.	4.0	7
150	Validation of an automatic vessel detection algorithm using SAR data and known vessel fleet distributions. , 0, , .		6
151	Distribution Characteristics of Green Algae in Yellow Sea Using an Deep Learning Automatic Detection Procedure. , 2021, , .		6
152	Sea Ice and Open Water Classification of SAR Images Using a Deep Learning Model. , 2020, , .		6
153	Routine Monitoring of Changes in the Columbia Glacier, Alaska, with Synthetic Aperture Radar. <i>Remote Sensing of Environment</i> , 1999, 70, 257-264.	11.0	5
154	On the use of Sentinel-1 cross-polarization imagery for wind speed retrieval. , 2017, , .		5
155	Spatio-Temporal Variability of Annual Sea Level Cycle in the Baltic Sea. <i>Remote Sensing</i> , 2018, 10, 528.	4.0	5
156	Sea Surface Wind Retrieval from Synthetic Aperture Radar Data by Deep Convolutional Neural Networks. , 2019, , .		5
157	An extraordinary breach of the Gulf Stream north wall by a cold water intrusion. <i>Geophysical Research Letters</i> , 2002, 29, 8-1-8-4.	4.0	4
158	Remote sensing of the China Seas. <i>International Journal of Remote Sensing</i> , 2014, 35, 3919-3925.	2.9	4
159	NOAA operational SAR winds — Current status and plans for Sentinel-1A. , 2015, , .		4
160	Geostationary satellite observations and numerical simulation of typhoon-induced upwelling to the Northeast of Taiwan. , 2017, , .		4
161	Estimating Typhoon Intensity with Convolutional Neural Network. , 2019, , .		4
162	Sea Surface Wind Speed Retrieval From Textures in Synthetic Aperture Radar Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-11.	6.3	4

#	ARTICLE	IF	CITATIONS
163	Tropical Cyclone Center and Symmetric Structure Estimating From SMAP Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	4
164	Development of a component-based interactive visualization system for the analysis of ocean data. Big Earth Data, 2022, 6, 219-235.	4.4	4
165	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
166	The Use of Pre-Storm Boundary-Layer Baroclinicity in Determining and Operationally Implementing the Atlantic Surface Cyclone Intensification Index. Boundary-Layer Meteorology, 1998, 89, 211-224.	2.3	3
167	The sea surface imprint of island lee waves as observed by RADARSAT synthetic aperture radar. , 1998, , .		3
168	Multisatellite observations and numerical simulation of an along-coast cumulus cloud line induced by sea-breeze circulation. International Journal of Remote Sensing, 2009, 30, 3573-3584.	2.9	3
169	Fusion of SAR and MODIS images for oceanic internal waves tracking in the South China Sea. , 2013, , .		3
170	Mathematical morphological analysis of typical cyclone eyes on ocean SAR. , 2014, , .		3
171	Inferring internal wave phase speed from multi-satellite observations. , 2014, , .		3
172	Tropical Cyclone Multiscale Wind Features from Spaceborne Synthetic Aperture Radar. Springer Natural Hazards, 2017, , 25-39.	0.3	3
173	Analysis of impacting factors on polarimetric SAR oil spill detection. Acta Oceanologica Sinica, 2018, 37, 77-87.	1.0	3
174	Tropical Cyclone Center Location in SAR Images Based on Feature Learning and Visual Saliency. Springer Natural Hazards, 2017, , 141-181.	0.3	3
175	Automatic Extraction of Internal Wave Signature from Multiple Satellite Sensors Based on Deep Convolutional Neural Networks. , 2020, , .		3
176	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
177	Analysis of ocean surface features with coincident SAR and radiometer data within the Alaska SAR Demonstration. , 0, , .		2
178	Eddy detection using RADARSAT-1 synthetic aperture radar. , 0, , .		2
179	High-Velocity Wind Measurements Using Synthetic Aperture Radar. , 2008, , .		2
180	Spaceborne sar imaging of coastal ocean phenomena. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
181	Ocean surface response to hurricanes observed by SAR. , 2012, , .		2
182	The impact of vertical wind shear on the hurricane eye tilt at the sea and cloud levels. , 2013, , .		2
183	Oil platform detection by compact polarimetric synthetic aperture radar. , 2013, , .		2
184	Marine oil slick and platform detection by compact polrimetric synthetic aperture radar. , 2016, , .		2
185	Fetch-limited surface wave growth inside tropical cyclones and hurricane wind speed retrieval. , 2016, , .		2
186	Mechanisms for rain effects on Synthetic Aperture Radar. , 2016, , .		2
187	A weighted joint sparse of three channels method for full POL-SAR data classification. , 2017, , .		2
188	Retrieval of Winds and Waves from Synthetic Aperture Radar Imagery. , 2019, , 285-303.		2
189	Improving seismic remote sensing of typhoon with a three-dimensional Earth model. Journal of the Acoustical Society of America, 2020, 148, 478-491.	1.1	2
190	Extracting Hurricane Eye Morphology from Spaceborne SAR Images Using Morphological Analysis. Springer Natural Hazards, 2017, , 119-139.	0.3	2
191	Classification of Multi-Channel SAR Data Based on MB-U ² -ACNet Model for Shanghai Nanhui Dongtan Intertidal Zone Environment Monitoring. , 2021, , .		2
192	Classifying Sea Ice Types from SAR Images Using a U-Net-Based Deep Learning Model. , 2021, , .		2
193	A Deep Learning Model for Oceanic Mesoscale Eddy Detection Based on Multi-source Remote Sensing Imagery. , 2020, , .		2
194	Satellite Observation of Tansmeridional Propagating Internal Waves in the Celebes Sea. , 2020, , .		2
195	Mesoscale oceanic and atmospheric feature detection through fusion of RADARSAT SAR with GOES/Imager data. , 1998, , .		1
196	NOAA CoastWatch RADARSAT-1 SAR coastal monitoring applications demonstrations. , 0, , .		1
197	Analyzing the dependence between RADARSAT-1 vessel detection and vessel heading using CFAR algorithm for use on fishery management. , 2003, , .		1
198	Ship detection algorithm in SAR images based on Alpha-stable model. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
199	NOAA operational SAR sea surface wind products. , 2011, , .		1
200	The impact of ocean surface features on the high resolution wind retrieval from SAR. , 2011, , .		1
201	On the role of wind modulation of internal solitary wave signatures in SAR images. , 2012, , .		1
202	Physics-based scattering model of rainfall over sea surface. , 2014, , .		1
203	Fetch imaged by SAR and simulated by WRF model. , 2015, , .		1
204	SAR imaging and numerical simulation of upwelling processes near the coastal area of Qingdao in China. , 2016, , .		1
205	Application Sentinel-1 SAR data for ocean research and operation. , 2016, , .		1
206	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
207	From research to operations based on contributions from Werner Alpers. , 2017, , .		1
208	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
209	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
210	The Retrieval of Hurricane Wind Speed Based on the Support Vector Machine. , 2021, , .		1
211	Satellite-Data-Driven Propagation Speed Model for Internal Solitary Waves in the Shallow and Deep Oceans. , 2021, , .		1
212	Electromagnetic Scattering of Rainfall and Tropical Cyclones over Ocean. Springer Natural Hazards, 2017, , 271-298.	0.3	1
213	Analysis of oceanic long wave refraction at the Gulf Stream boundary using RADARSAT synthetic aperture radar during Hurricane Bonnie. , 0, , .		1
214	Automatic Mapping of Tropical Cyclone-Induced Coastal Inundation in SAR Imagery Based on Clustering of Deep Features. , 2020, , .		1
215	A Numerical Study of SST Effects on Ocean Radar Backscattering. , 2020, , .		1
216	CNN-Based Tropical Cyclone Track Forecasting from Satellite Infrared Images. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
217	Classifying Sea Ice Types with a U-Net Model from Dual-polarized Sentinel-1 Images and GLCM Texture Feature. , 2022, , .		1
218	Automatic Waterline Extraction of Tidal Flats from SAR Images Based on Deep Convolutional Neural Networks. , 2022, , .		1
219	Analysis of atmospheric vortex streets observed on SAR image. , 0, , .		0
220	SAR and MODIS images of atmospheric solitary waves generated by upstream blocking in flow over St. Lawrence Island Bering Sea. , 0, , .		0
221	SAR-derived winds in Coastal Alaska waters. , 0, , .		0
222	Analysis of island wakes and katabatic winds imaged by RADARSAT-1 synthetic aperture radar. , 0, , .		0
223	Global diagnostics of operational AVHRR SST and aerosol retrievals from NOAA-16 and -17. , 2005, , .		0
224	SAR observation and WRF simulation of marine atmospheric boundary layer phenomena. , 2011, , .		0
225	Validation of SAR-derived sea surface wind products. , 2012, , .		0
226	Hurricane eye extraction from SAR image using saliency-based visual attention algorithm. , 2013, , .		0
227	Oil spill detection in SAR images using multiscale normalized cut segmentation. , 2014, , .		0
228	Satellite observations of oil spills in Bohai Sea. IOP Conference Series: Earth and Environmental Science, 2014, 17, 012114.	0.3	0
229	Observation and simulation of 2010 ULVA prolifera bloom in the Yellow Sea. , 2014, , .		0
230	SAR monitoring of coastline change in Shanghai, China. IOP Conference Series: Earth and Environmental Science, 2014, 17, 012113.	0.3	0
231	SAR imaging of mode-2 internal waves in the South China Sea. , 2015, , .		0
232	Early validation of operational SAR wind retrievals from Sentinel-1A. , 2015, , .		0
233	Spot detection from MODIS imagery using 2P-CFAR. , 2015, , .		0
234	Variability of Atmospheric, Oceanic, and Hydrological Phenomena. Advances in Meteorology, 2016, 1-1.	1.6	0

#	ARTICLE	IF	CITATIONS
235	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
236	SAR observation and WRF model simulation of land breeze in Hainan Island, China. , 2016, , .		0
237	Non-Bragg scattering contributions to the dual-polarized SAR imaging of Hurricane Earl. , 2016, , .		0
238	Coastal zone land-use classification of full-polarization SAR data based on joint sparse. , 2016, , .		0
239	Observing Typhoons from Satellite-Derived Images. Springer Natural Hazards, 2017, , 183-214.	0.3	0
240	Synthetic Aperture Radar Observations of Extreme Hurricane Wind and Rain. Springer Natural Hazards, 2017, , 299-346.	0.3	0
241	Tropical Cyclone Wind Field Reconstruction from SAR and Analytical Model. Springer Natural Hazards, 2017, , 69-84.	0.3	0
242	Application sentinel-1 SAR data for ocean research and operation. , 2017, , .		0
243	SAR imaging of internal gravity waves: From atmosphere to ocean. , 2017, , .		0
244	SAR imaging of oceanic and atmospheric gravity waves. , 2017, , .		0
245	Activities of the GRSS Washington/Northern Virginia Chapter [Chapters]. IEEE Geoscience and Remote Sensing Magazine, 2018, 6, 47-48.	9.6	0
246	A Deep Learning Model for Eddy Tracking Based on Multi-Source Remote Sensing Imagery. , 2021, , .		0
247	A Deep Learning Model for Subsurface Mesoscale Eddy Detection Based on Remote Sensing Images. , 2021, , .		0
248	Predicting Daily Arctic Sea Ice Concentration in the Melt Season Based on a Deep Fully Convolution Network Model. , 2021, , .		0
249	Quantitative Evaluation of Algae Detection Based on Deep Neural Network Multi-Source Data Fusion. , 2021, , .		0
250	Tropical Cyclone Eye Morphology and Extratropical-Cyclone-Forced Mountain Lee Waves on SAR Imagery. Springer Natural Hazards, 2017, , 373-398.	0.3	0
251	Sea-land Segmentation of Synthetic Aperture Radar Imagery Using Deep Neural Network Models. , 2021, , .		0
252	A Machine-learning-based Model to Inverse Internal Solitary Wave Amplitude from Satellite Image. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
253	A Deep Learning-based Model for Cold Anticyclonic Eddies and Warm Cyclonic Eddies Detection in the Kuroshio Extension. , 2022, , .		0