

# Hui Shen

## List of Publications by Year in descending order

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61  
papers

802  
citations

623734

14  
h-index

526287

27  
g-index

61  
all docs

61  
docs citations

61  
times ranked

830  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the Arctic Sea State and Boundary Layer Physics Program. Journal of Geophysical Research: Oceans, 2018, 123, 8674-8687.	2.6	96
2	Cross-polarization geophysical model function for C-band radar backscattering from the ocean surface and wind speed retrieval. Journal of Geophysical Research: Oceans, 2015, 120, 893-909.	2.6	79
3	Emerging trends in the sea state of the Beaufort and Chukchi seas. Ocean Modelling, 2016, 105, 1-12.	2.4	78
4	Wind Speed Retrieval From VH Dual-Polarization RADARSAT-2 SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5820-5826.	6.3	52
5	Remote Sensing of Ocean Waves by Polarimetric SAR. Journal of Atmospheric and Oceanic Technology, 2006, 23, 1768-1773.	1.3	43
6	Using Landsat 8 data to estimate suspended particulate matter in the Yellow River estuary. Journal of Geophysical Research: Oceans, 2017, 122, 276-290.	2.6	41
7	A new hurricane wind retrieval algorithm for SAR images. Geophysical Research Letters, 2006, 33, .	4.0	39
8	Detection of macroalgae blooms by complex SAR imagery. Marine Pollution Bulletin, 2014, 78, 190-195.	5.0	36
9	Preparation and magnetic properties of RFeO <sub>3</sub> nanocrystalline powders. Journal of Sol-Gel Science and Technology, 2011, 59, 158-163.	2.4	33
10	Speed ambiguity in hurricane wind retrieval from SAR imagery. International Journal of Remote Sensing, 2009, 30, 2827-2836.	2.9	30
11	Measurements of ocean wave and current field using dual polarized X-band radar. Chinese Journal of Oceanology and Limnology, 2010, 28, 1021-1028.	0.7	17
12	Preparation of ReFeO <sub>3</sub> nanocrystalline powders by auto-combustion of citric acid gel. Asia-Pacific Journal of Chemical Engineering, 2009, 4, 518-521.	1.5	16
13	The force exerted on a cylindrical pile by ocean internal waves derived from nautical X-band radar observations and in-situ buoyancy frequency data. Ocean Engineering, 2012, 41, 13-20.	4.3	16
14	Evaluation of hurricane wind speed retrieval from cross-dual-pol SAR. International Journal of Remote Sensing, 2016, 37, 599-614.	2.9	16
15	Remote Sensing of Waves Propagating in the Marginal Ice Zone by SAR. Journal of Geophysical Research: Oceans, 2018, 123, 189-200.	2.6	14
16	Modeling North Atlantic Nor'easters With Modern Wave Forecast Models. Journal of Geophysical Research: Oceans, 2018, 123, 533-557.	2.6	14
17	Evaluation of wind vectors observed by HY-2A scatterometer using ocean buoy observations, ASCAT measurements, and numerical model data. Chinese Journal of Oceanology and Limnology, 2015, 33, 1191-1200.	0.7	13
18	Wind drag in oil spilled ocean surface and its impact on wind-driven circulation. Anthropocene Coasts, 2019, 2, 244-260.	1.5	11

#	ARTICLE	IF	CITATIONS
19	SAR Imaging Simulation of Horizontal Fully Two-Dimensional Internal Waves. <i>Journal of Hydrodynamics</i> , 2006, 18, 294-302.	3.2	9
20	A new model to estimate significant wave heights with ERS-1/2 scatterometer data. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 112-116.	0.7	9
21	Submesoscale activity over the shelf of the northern South China Sea in summer: simulation with an embedded model. <i>Chinese Journal of Oceanology and Limnology</i> , 2010, 28, 1073-1079.	0.7	9
22	Buoy Measurements of Wind-Wave Relations during Hurricane Matthew in 2016. <i>Journal of Physical Oceanography</i> , 2017, 47, 2603-2609.	1.7	9
23	Analysis of surfactant-associated bacteria in the sea surface microlayer using deoxyribonucleic acid sequencing and synthetic aperture radar. <i>International Journal of Remote Sensing</i> , 2020, 41, 3886-3901.	2.9	9
24	Impact of Satellite Winds on Marine Wind Simulations. <i>Weather and Forecasting</i> , 2008, 23, 290-303.	1.4	8
25	On SAR wind speed ambiguities and related geophysical model functions. <i>Canadian Journal of Remote Sensing</i> , 2009, 35, 310-319.	2.4	8
26	Global Drag-Coefficient Estimates From Scatterometer Wind and Wave Steepness. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 1499-1503.	6.3	8
27	Radar imaging of intense nonlinear Ekman divergence. <i>Geophysical Research Letters</i> , 2016, 43, 9810-9818.	4.0	8
28	Effects of large-amplitude internal solitary waves on ROV operation—A numerical study. <i>Science China Earth Sciences</i> , 2016, 59, 1074-1080.	5.2	8
29	Developing a Quality Index Associated with Rain for Hurricane Winds from SAR. <i>Remote Sensing</i> , 2018, 10, 1783.	4.0	8
30	Automatic detection of oceanic mesoscale eddies in the South China Sea. <i>Chinese Journal of Oceanology and Limnology</i> , 2015, 33, 1334-1348.	0.7	7
31	Predicting Internal Solitary Waves in the Gulf of Maine. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015941.	2.6	7
32	Sea surface wind speed and sea state retrievals from dual-frequency altimeter and its preliminary application in global view of wind-sea and swell distributions. <i>International Journal of Remote Sensing</i> , 2018, 39, 3076-3093.	2.9	6
33	A new method for the estimation of oceanic mixed-layer depth using shipboard X-band radar images. <i>Chinese Journal of Oceanology and Limnology</i> , 2010, 28, 962-967.	0.7	5
34	Uncertainty in air-sea CO <sub>2</sub> flux due to transfer velocity. <i>International Journal of Remote Sensing</i> , 2014, 35, 4340-4370.	2.9	5
35	Characterizing overwater roughness Reynolds number during hurricanes. <i>Meteorology and Atmospheric Physics</i> , 2019, 131, 279-285.	2.0	5
36	Is Radar Phase Information Useful for Sea Ice Detection in the Marginal Ice Zone?. <i>Remote Sensing</i> , 2020, 12, 1847.	4.0	5

#	ARTICLE	IF	CITATIONS
37	Wind Wave Effects on Remote Sensing of Sea Surface Currents From SAR. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016166.	2.6	4
38	Construction of geophysical model function for a platform-borne C-band microwave scatterometer. Ocean Engineering, 2014, 84, 157-163.	4.3	3
39	Study internal waves in north west of south china sea by satellite images. , 0, , .		2
40	Progress in Determination of Wind Vectors from SAR Images. , 2006, , .		2
41	The effect of polarization ratio on RADARSAT wind vector retrievals. , 2007, , .		2
42	Evaluation and fusion of SST data from MTSAT and TMI in East China Sea, Yellow Sea and Bohai Sea in 2008. Chinese Journal of Oceanology and Limnology, 2012, 30, 697-702.	0.7	2
43	Estimating downwind turbulence intensity using wind and wave measurements during hurricanes. Applied Ocean Research, 2019, 88, 71-75.	4.1	2
44	Ship detection with the fuzzy c-mean clustering algorithm using fully polarimetric SAR. , 2007, , .		1
45	A comparison of models for retrieving high wind speeds. , 2007, , .		1
46	On sensitivity of Kuroshio modeling in the Luzon Strait with ERS-1/2 wind field forcing. , 2009, , .		1
47	The propagating speed of internal solitary waves investigated by X-band radar near Dongsha island. , 2010, , .		1
48	Estimation of Global Wind Energy Input to the Surface Waves Based on the Scatterometer. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 1017-1020.	3.1	1
49	Extraction of internal wave amplitude from nautical X-Band radar observations. Chinese Journal of Oceanology and Limnology, 2012, 30, 497-505.	0.7	1
50	Evaluating the effect of rain on HY-2A scatterometer measurements. , 2015, , .		1
51	Hurricane Winds Retrieval from C Band Co-pol SAR. Springer Natural Hazards, 2017, , 237-254.	0.3	1
52	On SAR hurricane wind speed ambiguities. , 2007, , .		0
53	Correction to "A new hurricane wind retrieval algorithm for SAR images". Geophysical Research Letters, 2007, 34, .	4.0	0
54	Polarimetric Scattering Mechanizms of Ocean Surface from Wave Breaking or at Large Incident Angles. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
55	Wind Speed Retrievals from Multi-Sensor Satellite Data from Hurricanes and Tropical Cyclones. , 2008, , .		0
56	A new polarization ratio model from platform-borne scatterometer data. , 2014, , .		0
57	A C-band cross polarization geophysical model function. , 2015, , .		0
58	Bio-physical responses to the Typhoon Nari (2013) observed by multi-satellites. , 2015, , .		0
59	The effects of wave breaking on scatterometer wind retrieval. , 2016, , .		0
60	Retrieval Algorithms of Diffuse Attenuation Coefficient in the Yellow Sea, the East China Sea and the Pearl River Estuary. Guangxue Xuebao/Acta Optica Sinica, 2013, 33, 0701001.	1.2	0
61	High-Resolution Remote Sensing, In-Situ Observations, and Modeling of Low-Salinity Lenses in the Presence of Oil Slick. , 2020, , .		0