

# Merete Badger

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

951  
citations

430874

18  
h-index

434195

31  
g-index

38  
all docs

38  
docs citations

38  
times ranked

774  
citing authors

#	ARTICLE	IF	CITATIONS
1	Offshore wind climatology based on synergetic use of Envisat ASAR, ASCAT and QuikSCAT. Remote Sensing of Environment, 2015, 156, 247-263.	11.0	124
2	SAR-Based Wind Resource Statistics in the Baltic Sea. Remote Sensing, 2011, 3, 117-144.	4.0	97
3	Spatial and temporal variability of winds in the Northern European Seas. Renewable Energy, 2013, 57, 200-210.	8.9	92
4	Offshore Wind Resources Assessment from Multiple Satellite Data and WRF Modeling over South China Sea. Remote Sensing, 2015, 7, 467-487.	4.0	61
5	Using Satellite SAR to Characterize the Wind Flow around Offshore Wind Farms. Energies, 2015, 8, 5413-5439.	3.1	55
6	Satellite winds as a tool for offshore wind resource assessment: The Great Lakes Wind Atlas. Remote Sensing of Environment, 2015, 168, 349-359.	11.0	49
7	Wind characteristics in the North and Baltic Seas from the QuikSCAT satellite. Wind Energy, 2014, 17, 123-140.	4.2	48
8	Wind Class Sampling of Satellite SAR Imagery for Offshore Wind Resource Mapping. Journal of Applied Meteorology and Climatology, 2010, 49, 2474-2491.	1.5	41
9	Comparison of Geophysical Model Functions for SAR Wind Speed Retrieval in Japanese Coastal Waters. Remote Sensing, 2013, 5, 1956-1973.	4.0	31
10	Validation of Sentinel-1A SAR Coastal Wind Speeds Against Scanning LiDAR. Remote Sensing, 2017, 9, 552.	4.0	31
11	Extrapolating Satellite Winds to Turbine Operating Heights. Journal of Applied Meteorology and Climatology, 2016, 55, 975-991.	1.5	29
12	Applications of satellite winds for the offshore wind farm site Anholt. Wind Energy Science, 2018, 3, 573-588.	3.3	24
13	Applicability of Synthetic Aperture Radar Wind Retrievals on Offshore Wind Resources Assessment in Hangzhou Bay, China. Energies, 2014, 7, 3339-3354.	3.1	23
14	Europe's offshore winds assessed with synthetic aperture radar, ASCAT and WRF. Wind Energy Science, 2020, 5, 375-390.	3.3	22
15	Wind Farm Wakes from SAR and Doppler Radar. Remote Sensing, 2020, 12, 462.	4.0	21
16	Transmission of wave energy through an offshore wind turbine farm. Coastal Engineering, 2013, 82, 25-46.	4.0	20
17	Estimation of offshore extreme wind from wind-wave coupled modeling. Wind Energy, 2019, , .	4.2	19
18	US East Coast synthetic aperture radar wind atlas for offshore wind energy. Wind Energy Science, 2020, 5, 1191-1210.	3.3	19

#	ARTICLE	IF	CITATIONS
19	Offshore new European wind atlas. Journal of Physics: Conference Series, 2018, 1037, 052007.	0.4	15
20	Effectiveness of WRF wind direction for retrieving coastal sea surface wind from synthetic aperture radar. Wind Energy, 2013, 16, 865-878.	4.2	13
21	Quarter-Century Offshore Winds from SSM/I and WRF in the North Sea and South China Sea. Remote Sensing, 2016, 8, 769.	4.0	13
22	Inter-calibration of SAR data series for offshore wind resource assessment. Remote Sensing of Environment, 2019, 232, 111316.	11.0	13
23	CMEMS-Based Coastal Analyses: Conditioning, Coupling and Limits for Applications. Frontiers in Marine Science, 2021, 8, .	2.5	13
24	Comparing satellite SAR and wind farm wake models. Journal of Physics: Conference Series, 2015, 625, 012035.	0.4	12
25	A case study of mesoscale spectra of wind and temperature, observed and simulated. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 264-274.	2.7	11
26	A Case Study of Offshore Advection of Boundary Layer Rolls over a Stably Stratified Sea Surface. Advances in Meteorology, 2017, 2017, 1-15.	1.6	10
27	Mapping Offshore Winds Around Iceland Using Satellite Synthetic Aperture Radar and Mesoscale Model Simulations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 5541-5552.	4.9	9
28	Spectral Properties of ENVISAT ASAR and QuikSCAT Surface Winds in the North Sea. Remote Sensing, 2013, 5, 6096-6115.	4.0	8
29	Offshore Wind Mapping Mediterranean Area Using SAR. Energy Procedia, 2013, 40, 38-47.	1.8	7
30	Satellite-based estimation of roughness lengths and displacement heights for wind resource modelling. Wind Energy Science, 2021, 6, 1379-1400.	3.3	6
31	Satellite Remote Sensing in Offshore Wind Energy. Energy Systems, 2013, , 711-745.	0.5	5
32	Wind Speed Variation Mapped Using SAR before and after Commissioning of Offshore Wind Farms. Remote Sensing, 2022, 14, 1464.	4.0	5
33	Spaceborne Earth Observation for Offshore Wind Energy Applications. , 2021, , .		2
34	Offshore Wind Energy Estimation in the Bay of Bengal with Satellite Wind Measurement. , 2019, , .		0