

Martin Gade

List of Publications by Year in descending order

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62
papers

1,168
citations

516215

16
h-index

433756

31
g-index

65
all docs

65
docs citations

65
times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging of biogenic and anthropogenic ocean surface films by the multifrequency/multipolarization SIR-C/X-SAR. <i>Journal of Geophysical Research</i> , 1998, 103, 18851-18866.	3.3	190
2	On the Reduction of the Radar Backscatter by Oceanic Surface Films. <i>Remote Sensing of Environment</i> , 1998, 66, 52-70.	4.6	109
3	Investigation of multifrequency/multipolarization radar signatures of rain cells over the ocean using SIR-C/X-SAR data. <i>Journal of Geophysical Research</i> , 1998, 103, 18867-18884.	3.3	100
4	Using ERS-2 SAR images for routine observation of marine pollution in European coastal waters. <i>Science of the Total Environment</i> , 1999, 237-238, 441-448.	3.9	94
5	Imaging of biogenic and anthropogenic ocean surface films by the multifrequency/multipolarization SIR-C/X-SAR. <i>Journal of Geophysical Research</i> , 1998, 103, 18851-18866.	3.3	78
6	Classification of sediments on exposed tidal flats in the German Bight using multi-frequency radar data. <i>Remote Sensing of Environment</i> , 2008, 112, 1603-1613.	4.6	62
7	Simultaneous observations of rain cells over the ocean by the synthetic aperture radar aboard the ERS satellites and by surface-based weather radars. <i>Journal of Geophysical Research</i> , 2001, 106, 4665-4677.	3.3	59
8	Multi-frequency SAR data help improving the monitoring of intertidal flats on the German North Sea coast. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 140, 32-42.	0.9	52
9	Improved statistics of sub-mesoscale eddies in the Baltic Sea retrieved from SAR imagery. <i>International Journal of Remote Sensing</i> , 2016, 37, 2394-2414.	1.3	41
10	Wind-wave tank measurements of bound and freely propagating short gravity-capillary waves. <i>Journal of Geophysical Research</i> , 1998, 103, 21697-21709.	3.3	38
11	Slicks as Indicators for Marine Processes. <i>Oceanography</i> , 2013, 26, .	0.5	35
12	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.	2.7	33
13	Wind wave tank measurements of wave damping and radar cross sections in the presence of monomolecular surface films. <i>Journal of Geophysical Research</i> , 1998, 103, 3167-3178.	3.3	30
14	The observation of seiches in the Baltic Sea using a multi data set of water levels. <i>Journal of Marine Systems</i> , 2000, 24, 67-84.	0.9	30
15	Remotely sensing the German Wadden Sea—a new approach to address national and international environmental legislation. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 595.	1.3	24
16	On the imaging of exposed intertidal flats by single- and dual-co-polarization Synthetic Aperture Radar. <i>Remote Sensing of Environment</i> , 2018, 205, 315-328.	4.6	23
17	Joint use of multiple Synthetic Aperture Radar imagery for the detection of bivalve beds and morphological changes on intertidal flats. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 171, 1-10.	0.9	17
18	On the imaging of biogenic and anthropogenic surface films on the sea by radar sensors. , 2006, , 189-204.		17

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19	Mesoscale surface current fields in the Baltic Sea derived from multi-sensor satellite data. International Journal of Remote Sensing, 2012, 33, 3122-3146.	1.3	16
20	Multi-Sensor Observations of Meso-Scale Features in European Coastal Waters. , 2008, , 463-474.		15
21	Statistical analyses of eddies in the Western Mediterranean Sea based on Synthetic Aperture Radar imagery. Remote Sensing of Environment, 2020, 250, 112023.	4.6	12
22	SAR Imaging of Archaeological Sites on Intertidal Flats in the German Wadden Sea. Geosciences (Switzerland), 2017, 7, 105.	1.0	11
23	Eddies in the Red Sea as seen by Satellite SAR Imagery. , 2014, , 357-378.		11
24	Retrieval of thin-ice thickness using the L-band polarization ratio measured by the helicopter-borne scatterometer Heliscat. Annals of Glaciology, 2006, 44, 275-280.	2.8	8
25	Detection of Bivalve Beds on Exposed Intertidal Flats Using Polarimetric SAR Indicators. Remote Sensing, 2017, 9, 1047.	1.8	8
26	Multisensor monitoring of plume dynamics in the northwestern Mediterranean Sea. Journal of Coastal Conservation, 2003, 9, 91.	0.7	5
27	Multi ³ Scatâ€”A Helicopter-Based Scatterometer for Snow-Cover and Sea-Ice Investigations. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 703-707.	1.4	5
28	An Introduction to Microwave Remote Sensing of the Asian Seas. , 2019, , 81-101.		5
29	A Classification Scheme for Sediments and Habitats on Exposed Intertidal Flats with Multi-Frequency Polarimetric SAR. Remote Sensing, 2021, 13, 360.	1.8	5
30	Eddies in the Western Mediterranean Seen by spaceborne radar. , 2016, , .		4
31	Marine Oil Pollution in an Area of High Economic Use: Statistical Analyses of SAR Data from the Western Java Sea. Remote Sensing, 2022, 14, 880.	1.8	4
32	Relating Microwave Modulation to Microbreaking Observed in Infrared Imagery. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 364-367.	1.4	3
33	Detecting and tracking small scale eddies in the black sea and the Baltic Sea using high-resolution Radarsat-2 and TerraSAR-X imagery (DTeddie). , 2014, , .		3
34	The German Operational Monitoring System in the Baltic Sea: Sensors, Methods and Example Data. Handbook of Environmental Chemistry, 2012, , 65-84.	0.2	2
35	From multi-sensor tracking of sea surface films to mesoscale and sub-mesoscale sea surface current fields. Proceedings of SPIE, 2013, , .	0.8	2
36	Analysis of sub-mesoscale eddies in the Baltic Sea based on SAR imagery and model wind data. , 2015, , .		2

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37	The German Operational Monitoring System in the North Sea: Sensors, Methods and Example Data. Handbook of Environmental Chemistry, 2015, , 161-192.	0.2	2
38	A NEW SAR CLASSIFICATION SCHEME FOR SEDIMENTS ON INTERTIDAL FLATS BASED ON MULTI-FREQUENCY POLARIMETRIC SAR IMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W2, 223-228.	0.2	2
39	OIL POLLUTION IN INDONESIAN WATERS: COMBINING STATISTICAL ANALYSES OF ENVISAT ASAR AND SENTINEL-1A C-SAR DATA WITH NUMERICAL TRACER MODELLING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W2, 71-77.	0.2	2
40	The use of spatial constraints in the derivation of mesoscale sea surface current fields from multi-sensor satellite data. , 2010, , .		1
41	The use of high-resolution Radarsat-2 and Terrasar-X imagery to monitor dry-fallen intertidal flats. , 2014, , .		1
42	An Assessment of the Indonesian Coastal Environment based on SAR imagery. , 2016, , .		1
43	An assessment of marine oil pollution in Indonesia based on SAR imagery. , 2017, , .		1
44	Statistical Analysis of Eddies in the Western Mediterranean Based on Multiple SAR Imagery. , 2018, , .		1
45	MDPI Oceans: A New Publication Channel for Open Access Science Focused on the Ocean. Oceans, 2019, 1, 1-5.	0.6	1
46	Longterm Release of Oil from a Wreck in the Black Sea Monitored by Spaceborne SAR. , 2019, , .		1
47	Using SAR Data for an Assessment of the Indonesian Coastal Environment. , 2019, , 341-357.		1
48	Clean seas: a North Sea test site. International Journal of Remote Sensing, 2004, 25, 1341-1347.	1.3	0
49	A knowledge based framework for the detection of measurement uncertainties in derived sea surface current fields. , 2010, , .		0
50	Multi-polarization scatterometer measurements of long surface gravity wave breaking. , 2014, , .		0
51	SAR imaging of archeological sites on dry-fallen intertidal flats in the German Wadden Sea. , 2015, , .		0
52	A polarimetric radar view at exposed intertidal flats. , 2016, , .		0
53	A new approach to use dual-polarized SAR imagery for the detection of bivalve beds on exposed intertidal flats. , 2017, , .		0
54	Imaging Exposed Intertidal Flats Using Multi-Polarization Synthetic Aperture Radar. , 2018, , .		0

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55	Observing the German Wadden Sea â€“ A New Approach to Distinguish Sediments and Habitats Using Alos-2 Palsar-2 Data. , 2019, , .		0
56	SAR Remote Sensing of Marine Surface Films. , 2021, , .		0
57	ARCHAEOLOGICAL SURVEYS ON THE GERMAN NORTH SEA COAST USING HIGH-RESOLUTION SYNTHETIC APERTURE RADAR DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W2, 65-69.	0.2	0
58	Laboratory measurements of artificial rain impinging on slick-free and slick-covered water surfaces. , 2006, , 145-156.		0
59	New chemical insights into the structure and morphology of sea slicks and their geophysical interpretations. , 2006, , 37-44.		0
60	Multisensor monitoring of plume dynamics in the northwestern Mediterranean Sea. Journal of Coastal Conservation, 2003, 9, 91-96.	0.7	0
61	SAR Monitoring of Coastal Changes in Intertidal Areas. , 2020, , .		0
62	Statistical Analyses of Marine Oil Pollution in a Sea Region of High Economic Use: The Western Java Sea. , 2020, , .		0