

Juha Karvonen

List of Publications by Year in descending order

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31
papers

606
citations

759055

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642610

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31
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31
times ranked

1186
citing authors

#	ARTICLE	IF	CITATIONS
1	From Observation to Information and Users: The Copernicus Marine Service Perspective. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	135
2	Baltic Sea Ice Concentration Estimation Using SENTINEL-1 SAR and AMSR2 Microwave Radiometer Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 2871-2883.	2.7	58
3	Incidence Angle Dependence of First-Year Sea Ice Backscattering Coefficient in Sentinel-1 SAR Imagery Over the Kara Sea. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 6170-6181.	2.7	50
4	Baltic Sea Ice Concentration Estimation Based on C-Band Dual-Polarized SAR Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 5558-5566.	2.7	48
5	Small-scale sea ice deformation during <scp>N–ICE</scp> 2015: From compact pack ice to marginal ice zone. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5105-5120.	1.0	39
6	Baltic Sea Ice Concentration Estimation Based on C-Band HH-Polarized SAR Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012, 5, 1874-1884.	2.3	31
7	Estimation of degree of sea ice ridging based on dual-polarized C-band SAR data. <i>Cryosphere</i> , 2018, 12, 343-364.	1.5	29
8	A Comparison Between High-Resolution EO-Based and Ice Analyst-Assigned Sea Ice Concentrations. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 1799-1807.	2.3	21
9	Evaluation of the operational SAR based Baltic Sea ice concentration products. <i>Advances in Space Research</i> , 2015, 56, 119-132.	1.2	20
10	Bohai Sea Ice Parameter Estimation Based on Thermodynamic Ice Model and Earth Observation Data. <i>Remote Sensing</i> , 2017, 9, 234.	1.8	20
11	Satellite Observations for Detecting and Forecasting Sea-Ice Conditions: A Summary of Advances Made in the SPICES Project by the EU's Horizon 2020 Programme. <i>Remote Sensing</i> , 2020, 12, 1214.	1.8	16
12	SAR-based estimation of the baltic sea ice motion. , 2007, , .		13
13	MODIS Sea Ice Thickness and Open Water's Sea Ice Charts over the Barents and Kara Seas for Development and Validation of Sea Ice Products from Microwave Sensor Data. <i>Remote Sensing</i> , 2017, 9, 1324.	1.8	13
14	Estimation of Arctic land-fast ice cover based on dual-polarized Sentinel-1 SAR imagery. <i>Cryosphere</i> , 2018, 12, 2595-2607.	1.5	13
15	Sea ice drift and deformation in the coastal boundary zone. <i>Geophysical Research Letters</i> , 2016, 43, 10,303-10,310.	1.5	12
16	Iceberg Detection in Dual-Polarized C-Band SAR Imagery by Segmentation and Nonparametric CFAR (SnP-CFAR). <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	2.7	10
17	Baltic Sea Ice Concentration Estimation From C-Band Dual-Polarized SAR Imagery by Image Segmentation and Convolutional Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-11.	2.7	9
18	Tracking the motion of recognizable sea-ice objects from coastal radar image sequences. <i>Annals of Glaciology</i> , 2013, 54, 41-49.	2.8	8

#	ARTICLE	IF	CITATIONS
19	Operational Service for Mapping the Baltic Sea Landfast Ice Properties. Remote Sensing, 2020, 12, 4032.	1.8	8
20	Baltic sea ice thickness charts based on thermodynamic ice model and SAR data. , 2007, , .		7
21	C-Band Sea Ice SAR Classification Based on Segmentwise Edge Features. , 0, , .		7
22	On Suitability of ALOS-2/PALSAR-2 Dual-Polarized SAR Data for Arctic Sea Ice Parameter Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7969-7981.	2.7	7
23	Ships as a sensor network to observe ice field properties. Cold Regions Science and Technology, 2011, 65, 359-371.	1.6	6
24	An assessment of arctic sea ice concentration retrieval based on HY-2 scanning radiometer data using field observations during CHINARE-2012 and other satellite instruments. Acta Oceanologica Sinica, 2015, 34, 42-50.	0.4	5
25	Sea ice SAR classification based on edge features. , 2009, , .		4
26	Sea ice thickness retrieval from SAR imagery over Bohai sea. , 2014, , .		4
27	Kara and Barents sea ice thickness estimation based on CryoSat-2 radar altimeter and Sentinel-1 dual-polarized synthetic aperture radar. Cryosphere, 2022, 16, 1821-1844.	1.5	4
28	Cloud masking of MODIS imagery based on multitemporal image analysis. International Journal of Remote Sensing, 2014, 35, 8008-8024.	1.3	3
29	Range compensation in pack ice imagery retrieved by coastal radars. , 2014, , .		3
30	Polarview@FIMR: WWW-based delivery of baltic sea ice products to end-users. , 2007, , .		2
31	Bohai sea ice thickness estimation based on thermodynamic ice model and earth observation data. , 2016, , .		1