

# Juha Karvonen

## List of Publications by Year in descending order

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31  
papers

606  
citations

759055

12  
h-index

642610

23  
g-index

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31  
docs citations

31  
times ranked

1186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iceberg Detection in Dual-Polarized C-Band SAR Imagery by Segmentation and Nonparametric CFAR (SnP-CFAR). IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	10
2	Baltic Sea Ice Concentration Estimation From C-Band Dual-Polarized SAR Imagery by Image Segmentation and Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	9
3	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
4	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
5	Operational Service for Mapping the Baltic Sea Landfast Ice Properties. Remote Sensing, 2020, 12, 4032.	1.8	8
6	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. Remote Sensing, 2020, 12, 1214.	1.8	16
7	From Observation to Information and Users: The Copernicus Marine Service Perspective. Frontiers in Marine Science, 2019, 6, .	1.2	135
8	Estimation of Arctic land-fast ice cover based on dual-polarized Sentinel-1 SAR imagery. Cryosphere, 2018, 12, 2595-2607.	1.5	13
9	Estimation of degree of sea ice ridging based on dual-polarized C-band SAR data. Cryosphere, 2018, 12, 343-364.	1.5	29
10	Baltic Sea Ice Concentration Estimation Using SENTINEL-1 SAR and AMSR2 Microwave Radiometer Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2871-2883.	2.7	58
11	Small-scale sea ice deformation during <scp>N&EiCE</scp>2015: From compact pack ice to marginal ice zone. Journal of Geophysical Research: Oceans, 2017, 122, 5105-5120.	1.0	39
12	Incidence Angle Dependence of First-Year Sea Ice Backscattering Coefficient in Sentinel-1 SAR Imagery Over the Kara Sea. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6170-6181.	2.7	50
13	Bohai Sea Ice Parameter Estimation Based on Thermodynamic Ice Model and Earth Observation Data. Remote Sensing, 2017, 9, 234.	1.8	20
14	MODIS Sea Ice Thickness and Open Water "Sea Ice Charts over the Barents and Kara Seas for Development and Validation of Sea Ice Products from Microwave Sensor Data. Remote Sensing, 2017, 9, 1324.	1.8	13
15	Sea ice drift and deformation in the coastal boundary zone. Geophysical Research Letters, 2016, 43, 10,303-10,310.	1.5	12
16	Bohai sea ice thickness estimation based on thermodynamic ice model and earth observation data. , 2016, , .		1
17	Evaluation of the operational SAR based Baltic Sea ice concentration products. Advances in Space Research, 2015, 56, 119-132.	1.2	20
18	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

#	ARTICLE	IF	CITATIONS
19	A Comparison Between High-Resolution EO-Based and Ice Analyst-Assigned Sea Ice Concentrations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1799-1807.	2.3	21
20	Cloud masking of MODIS imagery based on multitemporal image analysis. International Journal of Remote Sensing, 2014, 35, 8008-8024.	1.3	3
21	Sea ice thickness retrieval from SAR imagery over Bohai sea. , 2014, , .		4
22	Baltic Sea Ice Concentration Estimation Based on C-Band Dual-Polarized SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5558-5566.	2.7	48
23	Range compensation in pack ice imagery retrieved by coastal radars. , 2014, , .		3
24	Tracking the motion of recognizable sea-ice objects from coastal radar image sequences. Annals of Glaciology, 2013, 54, 41-49.	2.8	8
25	Baltic Sea Ice Concentration Estimation Based on C-Band HH-Polarized SAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 1874-1884.	2.3	31
26	Ships as a sensor network to observe ice field properties. Cold Regions Science and Technology, 2011, 65, 359-371.	1.6	6
27	Sea ice SAR classification based on edge features. , 2009, , .		4
28	Polarview@FIMR: WWW-based delivery of baltic sea ice products to end-users. , 2007, , .		2
29	Baltic sea ice thickness charts based on thermodynamic ice model and SAR data. , 2007, , .		7
30	SAR-based estimation of the baltic sea ice motion. , 2007, , .		13
31	C-Band Sea Ice SAR Classification Based on Segmentwise Edge Features. , 0, , .		7