

Hyangsun Han

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Decadal changes of Campbell Glacier Tongue in East Antarctica from 2010 to 2020 and implications of ice pinning conditions analyzed by optical and SAR datasets. <i>GIScience and Remote Sensing</i> , 2022, 59, 705-721.	5.9	3
2	Digital surface model generation for drifting Arctic sea ice with low-textured surfaces based on drone images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 172, 147-159.	11.1	2
3	Retrieval of Summer Sea Ice Concentration in the Pacific Arctic Ocean from AMSR2 Observations and Numerical Weather Data Using Random Forest Regression. <i>Remote Sensing</i> , 2021, 13, 2283.	4.0	8
4	Velocity Anomaly of Campbell Glacier, East Antarctica, Observed by Double-Differential Interferometric SAR and Ice Penetrating Radar. <i>Remote Sensing</i> , 2021, 13, 2691.	4.0	5
5	Pre-trained feature aggregated deep learning-based monitoring of overshooting tops using multi-spectral channels of GeoKompsat-2A advanced meteorological imagery. <i>GIScience and Remote Sensing</i> , 2021, 58, 1052-1071.	5.9	13
6	Feasibility Study on Estimation of Sea Ice Drift from KOMPSAT-5 and COSMO-SkyMed SAR Images. <i>Remote Sensing</i> , 2021, 13, 4038.	4.0	6
7	Microstructures and Fabric Transitions of Natural Ice from the Styx Glacier, Northern Victoria Land, Antarctica. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 892.	2.0	5
8	Surface roughness signatures of summer arctic snow-covered sea ice in X-band dual-polarimetric SAR. <i>GIScience and Remote Sensing</i> , 2020, 57, 650-669.	5.9	5
9	Evolution of Backscattering Coefficients of Drifting Multi-Year Sea Ice during End of Melting and Onset of Freeze-up in the Western Beaufort Sea. <i>Remote Sensing</i> , 2020, 12, 1378.	4.0	0
10	Object-based landfast sea ice detection over West Antarctica using time series ALOS PALSAR data. <i>Remote Sensing of Environment</i> , 2020, 242, 111782.	11.0	14
11	A Novel Framework of Detecting Convective Initiation Combining Automated Sampling, Machine Learning, and Repeated Model Tuning from Geostationary Satellite Data. <i>Remote Sensing</i> , 2019, 11, 1454.	4.0	26
12	Evaluation of Matching Costs for High-Quality Sea-Ice Surface Reconstruction from Aerial Images. <i>Remote Sensing</i> , 2019, 11, 1055.	4.0	4
13	Mosaicking Opportunistically Acquired Very High-Resolution Helicopter-Borne Images over Drifting Sea Ice Using COTS Sensors. <i>Sensors</i> , 2019, 19, 1251.	3.8	4
14	Changes in a Giant Iceberg Created from the Collapse of the Larsen C Ice Shelf, Antarctic Peninsula, Derived from Sentinel-1 and CryoSat-2 Data. <i>Remote Sensing</i> , 2019, 11, 404.	4.0	21
15	On-site helicopter-borne high-resolution image acquisition and mosaicking for investigation of drifting Arctic sea ice. , 2019, , .		0
16	Glacial and tidal strain of landfast sea ice in Terra Nova Bay, East Antarctica, observed by interferometric SAR techniques. <i>Remote Sensing of Environment</i> , 2018, 209, 41-51.	11.0	9
17	Evaluation of summer passive microwave sea ice concentrations in the Chukchi Sea based on KOMPSAT-5 SAR and numerical weather prediction data. <i>Remote Sensing of Environment</i> , 2018, 209, 343-362.	11.0	19
18	Bias Assessment of Nasa Team and ASI Summer SEA ICE Concentrations in the Chukchi SEA using Kompsat-5 SAR. , 2018, , .		0

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19	Surface Temperature in Twentieth Century at the Styx Glacier, Northern Victoria Land, Antarctica, From Borehole Thermometry. <i>Geophysical Research Letters</i> , 2018, 45, 9834-9842.	4.0	14
20	Classification and Mapping of Paddy Rice by Combining Landsat and SAR Time Series Data. <i>Remote Sensing</i> , 2018, 10, 447.	4.0	106
21	A study of the feasibility of using KOMPSAT-5 SAR data to map sea ice in the Chukchi Sea in late summer. <i>Remote Sensing Letters</i> , 2017, 8, 468-477.	1.4	14
22	Surface strain rates and crevassing of Campbell Glacier Tongue in East Antarctica analysed by tide-corrected DInSAR. <i>Remote Sensing Letters</i> , 2017, 8, 330-339.	1.4	7
23	Detection of deterministic and probabilistic convection initiation using Himawari-8 Advanced Himawari Imager data. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1859-1874.	3.1	44
24	Tidal deflection of Ross Ice Shelf, Antarctica, observed by Sentinel-1A double-differential interferometric SAR. , 2017, , .		0
25	Retrieval of Melt Ponds on Arctic Multiyear Sea Ice in Summer from TerraSAR-X Dual-Polarization Data Using Machine Learning Approaches: A Case Study in the Chukchi Sea with Mid-Incidence Angle Data. <i>Remote Sensing</i> , 2016, 8, 57.	4.0	23
26	Experiments on a Ground-Based Tomographic Synthetic Aperture Radar. <i>Remote Sensing</i> , 2016, 8, 667.	4.0	5
27	Variations in ice velocities of Pine Island Glacier Ice Shelf evaluated using multispectral image matching of Landsat time series data. <i>Remote Sensing of Environment</i> , 2016, 186, 358-371.	11.0	15
28	Detection of Convective Initiation Using Meteorological Imager Onboard Communication, Ocean, and Meteorological Satellite Based on Machine Learning Approaches. <i>Remote Sensing</i> , 2015, 7, 9184-9204.	4.0	39
29	Tide-corrected flow velocity and mass balance of Campbell Glacier Tongue, East Antarctica, derived from interferometric SAR. <i>Remote Sensing of Environment</i> , 2015, 160, 180-192.	11.0	15
30	Landfast sea ice monitoring using multisensor fusion in the Antarctic. <i>GIScience and Remote Sensing</i> , 2015, 52, 239-256.	5.9	48
31	Analysis of Annual Variability of Landfast Sea Ice near Jangbogo Antarctic Station Using InSAR Coherence Images. <i>Korean Journal of Remote Sensing</i> , 2015, 31, 501-512.	0.4	3
32	Construction and application of tomographic SAR system based on GB-SAR system. , 2014, , .		4
33	Mass balance of Campbell Glacier, East Antarctica, derived from COSMO-SkyMed interferometric SAR images. , 2014, , .		0
34	Tide deflection of Campbell Glacier Tongue, Antarctica, analyzed by double-differential SAR interferometry and finite element method. <i>Remote Sensing of Environment</i> , 2014, 141, 201-213.	11.0	26
35	Analysis of Sea Route to the Jangbogo Antarctic Research Station by using Passive Microwave Sea Ice Concentration Data. <i>Korean Journal of Remote Sensing</i> , 2014, 30, 677-686.	0.4	1
36	Development of Normalized Difference Blue-ice Index (NDBI) of Glaciers and Analysis of Its Variational Factors by using MODIS Images. <i>Korean Journal of Remote Sensing</i> , 2014, 30, 481-491.	0.4	1

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37	Radar Backscattering of Lake Ice During Freezing and Thawing Stages Estimated by Ground-Based Scatterometer Experiment and Inversion From Genetic Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 3089-3096.	6.3	3
38	Estimation of Annual Variation of Ice Extent and Flow Velocity of Campbell Glacier in East Antarctica Using COSMO-SkyMed SAR Images. Korean Journal of Remote Sensing, 2013, 29, 45-55.	0.4	7
39	Accuracy Assessment of Tide Models in Terra Nova Bay, East Antarctica, for Glaciological Studies of DDInSAR Technique. Korean Journal of Remote Sensing, 2013, 29, 375-387.	0.4	5
40	COSMO-SkyMed AO projects - Tidal deflection characteristics of Campbell Glacier, East Antarctica, observed by double differential SAR interferometry. , 2012, , .		1
41	Inter-satellite atmospheric and radiometric correction for the retrieval of Landsat sea surface temperature by using Terra MODIS data. Geosciences Journal, 2012, 16, 171-180.	1.2	2
42	Distinctive characteristics of glacial ice in the PR-GR scatter plots of AMSR-E NASA Team2 sea ice algorithm. , 2011, , .		0
43	Evaluation of SSM/I and AMSR-E Sea Ice Concentrations in the Antarctic Spring Using KOMPSAT-1 EOC Images. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1905-1912.	6.3	10
44	Comparative study of Sea Ice Concentration by using DMSP SSM/I, Aqua AMSR-E and Kompsat-1 EOC. , 2007, , .		0