

Hyangsun Han

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

538
citations

687363

13
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22
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46
all docs

46
docs citations

46
times ranked

570
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification and Mapping of Paddy Rice by Combining Landsat and SAR Time Series Data. Remote Sensing, 2018, 10, 447.	4.0	106
2	Landfast sea ice monitoring using multisensor fusion in the Antarctic. GIScience and Remote Sensing, 2015, 52, 239-256.	5.9	48
3	Detection of deterministic and probabilistic convection initiation using Himawari-8 Advanced Himawari Imager data. Atmospheric Measurement Techniques, 2017, 10, 1859-1874.	3.1	44
4	Detection of Convective Initiation Using Meteorological Imager Onboard Communication, Ocean, and Meteorological Satellite Based on Machine Learning Approaches. Remote Sensing, 2015, 7, 9184-9204.	4.0	39
5	Tide deflection of Campbell Glacier Tongue, Antarctica, analyzed by double-differential SAR interferometry and finite element method. Remote Sensing of Environment, 2014, 141, 201-213.	11.0	26
6	A Novel Framework of Detecting Convective Initiation Combining Automated Sampling, Machine Learning, and Repeated Model Tuning from Geostationary Satellite Data. Remote Sensing, 2019, 11, 1454.	4.0	26
7	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. Remote Sensing, 2016, 8, 57.	4.0	23
8	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. Remote Sensing, 2019, 11, 404.	4.0	21
9	Evaluation of summer passive microwave sea ice concentrations in the Chukchi Sea based on KOMPSAT-5 SAR and numerical weather prediction data. Remote Sensing of Environment, 2018, 209, 343-362.	11.0	19
10	Tide-corrected flow velocity and mass balance of Campbell Glacier Tongue, East Antarctica, derived from interferometric SAR. Remote Sensing of Environment, 2015, 160, 180-192.	11.0	15
11	Variations in ice velocities of Pine Island Glacier Ice Shelf evaluated using multispectral image matching of Landsat time series data. Remote Sensing of Environment, 2016, 186, 358-371.	11.0	15
12	A study of the feasibility of using KOMPSAT-5 SAR data to map sea ice in the Chukchi Sea in late summer. Remote Sensing Letters, 2017, 8, 468-477.	1.4	14
13	Surface Temperature in Twentieth Century at the Styx Glacier, Northern Victoria Land, Antarctica, From Borehole Thermometry. Geophysical Research Letters, 2018, 45, 9834-9842.	4.0	14
14	Object-based landfast sea ice detection over West Antarctica using time series ALOS PALSAR data. Remote Sensing of Environment, 2020, 242, 111782.	11.0	14
15	Pre-trained feature aggregated deep learning-based monitoring of overshooting tops using multi-spectral channels of GeoKompsat-2A advanced meteorological imagery. GIScience and Remote Sensing, 2021, 58, 1052-1071.	5.9	13
16	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
17	Glacial and tidal strain of landfast sea ice in Terra Nova Bay, East Antarctica, observed by interferometric SAR techniques. Remote Sensing of Environment, 2018, 209, 41-51.	11.0	9
18	Retrieval of Summer Sea Ice Concentration in the Pacific Arctic Ocean from AMSR2 Observations and Numerical Weather Data Using Random Forest Regression. Remote Sensing, 2021, 13, 2283.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Surface strain rates and crevassing of Campbell Glacier Tongue in East Antarctica analysed by tide-corrected DInSAR. Remote Sensing Letters, 2017, 8, 330-339.	1.4	7
20	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
21	Feasibility Study on Estimation of Sea Ice Drift from KOMPSAT-5 and COSMO-SkyMed SAR Images. Remote Sensing, 2021, 13, 4038.	4.0	6
22	Experiments on a Ground-Based Tomographic Synthetic Aperture Radar. Remote Sensing, 2016, 8, 667.	4.0	5
23	Microstructures and Fabric Transitions of Natural Ice from the Styx Glacier, Northern Victoria Land, Antarctica. Minerals (Basel, Switzerland), 2020, 10, 892.	2.0	5
24	Surface roughness signatures of summer arctic snow-covered sea ice in X-band dual-polarimetric SAR. GIScience and Remote Sensing, 2020, 57, 650-669.	5.9	5
25	Velocity Anomaly of Campbell Glacier, East Antarctica, Observed by Double-Differential Interferometric SAR and Ice Penetrating Radar. Remote Sensing, 2021, 13, 2691.	4.0	5
26	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
27	Construction and application of tomographic SAR system based on GB-SAR system. , 2014, , .		4
28	Evaluation of Matching Costs for High-Quality Sea-Ice Surface Reconstruction from Aerial Images. Remote Sensing, 2019, 11, 1055.	4.0	4
29	Mosaicking Opportunistically Acquired Very High-Resolution Helicopter-Borne Images over Drifting Sea Ice Using COTS Sensors. Sensors, 2019, 19, 1251.	3.8	4
30	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
31	Analysis of Annual Variability of Landfast Sea Ice near Jangbogo Antarctic Station Using InSAR Coherence Images. Korean Journal of Remote Sensing, 2015, 31, 501-512.	0.4	3
32	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. GIScience and Remote Sensing, 2022, 59, 705-721.	5.9	3
33	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
34	Digital surface model generation for drifting Arctic sea ice with low-textured surfaces based on drone images. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 172, 147-159.	11.1	2
35	COSMO-SkyMed AO projects - Tidal deflection characteristics of Campbell Glacier, East Antarctica, observed by double differential SAR interferometry. , 2012, , .		1
36	Analysis of Sea Route to the Jangbogo Antarctic Research Station by using Passive Microwave Sea Ice Concentration Data. Korean Journal of Remote Sensing, 2014, 30, 677-686.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Development of Normalized Difference Blue-ice Index (NDBI) of Glaciers and Analysis of Its Variational Factors by using MODIS Images. Korean Journal of Remote Sensing, 2014, 30, 481-491.	0.4	1
38	Comparative study of Sea Ice Concentration by using DMSP SSM/I, Aqua AMSR-E and Kompsat-1 EOC. , 2007, , .		0
39	Distinctive characteristics of glacial ice in the PR-GR scatter plots of AMSR-E NASA Team2 sea ice algorithm. , 2011, , .		0
40	Mass balance of Campbell Glacier, East Antarctica, derived from COSMO-SkyMed interferometric SAR images. , 2014, , .		0
41	Tidal deflection of Ross Ice Shelf, Antarctica, observed by Sentinel-1A double-differential interferometric SAR. , 2017, , .		0
42	Bias Assessment of Nasa Team and ASI Summer SEA ICE Concentrations in the Chukchi SEA using Kompsat-5 SAR. , 2018, , .		0
43	Evolution of Backscattering Coefficients of Drifting Multi-Year Sea Ice during End of Melting and Onset of Freeze-up in the Western Beaufort Sea. Remote Sensing, 2020, 12, 1378.	4.0	0
44	On-site helicopter-borne high-resolution image acquisition and mosaicking for investigation of drifting Arctic sea ice. , 2019, , .		0