Kari Luojus

List of Publications by Year in descending order

39 papers	1,544 citations	516561 16 h-index	677027 22 g-index
52 all docs	52 docs citations	52 times ranked	2299 citing authors

#	Article	IF	Citations
1	Evaluation of Northern Hemisphere snow water equivalent in CMIP6 models during 1982â€“2014. Cryosphere, 2022, 16, 1007-1030.	1.5	11
2	Closing the Water Cycle from Observations across Scales: Where Do We Stand?. Bulletin of the American Meteorological Society, 2021, 102, E1897-E1935.	1.7	31
3	Impact of dynamic snow density on GlobSnow snow water equivalent retrieval accuracy. Cryosphere, 2021, 15, 2969-2981.	1.5	22
4	GlobSnow v3.0 Northern Hemisphere snow water equivalent dataset. Scientific Data, 2021, 8, 163.	2.4	58
5	Estimation of Hemispheric Snow Mass Evolution Based on Microwave Radiometry. , 2021, , .		0
6	Development of Dynamic Snow Density Methodology for GlobSnow SWE Retrieval. , 2021, , .		0
7	Patterns and trends of Northern Hemisphere snow mass from 1980 to 2018. Nature, 2020, 581, 294-298.	13.7	203
8	Snow depth estimation and historical data reconstruction over China based on a random forest machine learning approach. Cryosphere, 2020, 14, 1763-1778.	1.5	30
9	Evaluation of long-term Northern Hemisphere snow water equivalent products. Cryosphere, 2020, 14, 1579-1594.	1.5	85
10	Assessing the Performances of FY-3D/MWRI and DMSP SSMIS in GlobSnow-2 Assimilation System for SWE Estimation. , 2020, , .		1
11	Development of SWE Retrieval Methods in the ESA Snow CCI Project And Long Term Trends in Seasonal Snow Mass. , 2019, , .		0
12	Determination of uncertainty characteristics for the satellite data-based estimation of fractional snow cover. Remote Sensing of Environment, 2018, 212, 103-113.	4.6	7
13	The Pan-European Yearly Snow Melt-Off Day Derived from Optical and Microwave Radiometer Data. , 2018, , .		0
14	Evaluation of Simulated Snow and Snowmelt Timing in the Community Land Model Using Satelliteâ€Based Products and Streamflow Observations. Journal of Advances in Modeling Earth Systems, 2018, 10, 2933-2951.	1.3	12
15	Assessment of Seasonal snow Cover Mass in Northern Hemisphere During the Satellite-ERA. , 2018, , .		1
16	The accuracy of snow melt-off day derived from optical and microwave radiometer data â€” A study for Europe. Remote Sensing of Environment, 2018, 211, 1-12.	4.6	22
17	New Snow Water Equivalent Processing System With Improved Resolution Over Europe and its Applications in Hydrology. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 428-436.	2.3	17
18	Long term changes in Northern hemisphere snow cover from SWE timeseries constrained with SE data. , 2017, , .		0

#	Article	IF	Citations
19	Evaluation of Northern Hemisphere and regional snow extent products within ESA SnowPEx-project. , 2017, , .		3
20	Future mission concepts for measuring snow mass. , 2017, , .		0
21	Assessing global satellite-based snow water equivalent datasets in ESA SnowPEx project. , 2016, , .		2
22	Hydrological applications of super resolution SWE processing system over Europe. , 2016, , .		0
23	Evaluation of Northern Hemisphere Snow Extent products within ESA SnowPEx-project. , 2016, , .		2
24	Changing Arctic snow cover: A review of recent developments and assessment of future needs for observations, modelling, and impacts. Ambio, 2016, 45, 516-537.	2.8	154
25	User requirements for the snow and land ice services â€“ CryoLand. Cryosphere, 2015, 9, 1191-1202.	1.5	14
26	Evaluation of snow products over the Tibetan Plateau. Hydrological Processes, 2015, 29, 3247-3260.	1.1	84
27	Introduction to GlobSnow Snow Extent products with considerations for accuracy assessment. Remote Sensing of Environment, 2015, 156, 96-108.	4.6	85
28	Spring-time fractional snow cover mapping in Northern Hemisphere with NPP Suomi/VIIRS within ESA DUE GlobSnow-2 project. , 2014, , .		1
29	Comparison of SSMIS, AMSR-E and MWRI brightness temperature data. , 2014, , .		1
30	Evaluation of North Eurasian snow-off dates in the ECHAM5.4 atmospheric general circulation model. Geoscientific Model Development, 2014, 7, 3037-3057.	1.3	5
31	Effect of reindeer grazing on snowmelt, albedo and energy balance based on satellite data analyses. Remote Sensing of Environment, 2013, 135, 107-117.	4.6	52
32	An optical reflectance model-based method for fractional snow cover mapping applicable to continental scale. Remote Sensing of Environment, 2012, 123, 508-521.	4.6	69
33	Estimating northern hemisphere snow water equivalent for climate research through assimilation of space-borne radiometer data and ground-based measurements. Remote Sensing of Environment, 2011, 115, 3517-3529.	4.6	481
34	Investigating hemispherical trends in snow accumulation using GlobSnow snow water equivalent data. , 2011, , .		7
35	A new global Snow Extent product based on ATSR-2 and AATSR. , 2010, , .		1
36	New approach for the global mapping of fractional snow coverage in boreal forest and tundra belt applicable to various sensors. , 2010, , .		2

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37	Comparison of SAR-Based Snow-Covered Area Estimation Methods for the Boreal Forest Zone. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 403-407.	1.4	8
38	Snow-Covered Area Estimation Using Satellite Radar Wide-Swath Images. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 978-989.	2.7	41
39	Accuracy assessment of SAR data-based snow-covered area estimation method. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 277-287.	2.7	28