Juval Cohen

List of Publications by Year
in descending order

24 papers	630 citations	686830 13 h-index	752256 20 g-index
24 all docs	24 docs citations	24 times ranked	1169 citing authors

#	Article	IF	Citations
1	Patterns and trends of Northern Hemisphere snow mass from 1980 to 2018. Nature, 2020, 581, 294-298.	13.7	203
2	Where do the treeless tundra areas of northern highlands fit in the global biome system: toward an ecologically natural subdivision of the tundra biome. Ecology and Evolution, 2016, 6, 143-158.	0.8	69
3	GlobSnow v3.0 Northern Hemisphere snow water equivalent dataset. Scientific Data, 2021, 8, 163.	2.4	58
4	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
5	The Effect of Boreal Forest Canopy in Satellite Snow Mappingâ€"A Multisensor Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6593-6607.	2.7	30
6	Implications of boreal forest stand characteristics for X-band SAR flood mapping accuracy. Remote Sensing of Environment, 2016, 186, 47-63.	4.6	28
7	Long-term Impacts of Contrasting Management of Large Ungulates in the Arctic Tundra-Forest Ecotone: Ecosystem Structure and Climate Feedback. Ecosystems, 2014, 17, 890-905.	1.6	27
8	Observations and Simulation of Multifrequency SAR Data Over a Snow-Covered Boreal Forest. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1216-1228.	2.3	23
9	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
10	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
11	Semi-empirical modeling of the scene reflectance of snow-covered boreal forest: Validation with airborne spectrometer and LIDAR observations. Remote Sensing of Environment, 2014, 155, 303-311.	4.6	16
12	Spatially Distributed Evaluation of ESA CCI Soil Moisture Products in a Northern Boreal Forest Environment. Geosciences (Switzerland), 2018, 8, 51.	1.0	16
13	A Modeling-Based Approach for Soil Frost Detection in the Northern Boreal Forest Region With C-Band SAR. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1069-1083.	2.7	14
14	Exploiting the ANN Potential in Estimating Snow Depth and Snow Water Equivalent From the Airborne SnowSAR Data at X- and Ku-Bands. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	13
15	Freezeâ€"Thaw Detection Over High-Latitude Regions by Means of GNSS-R Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	12
16	Sentinel-1 based soil freeze/thaw estimation in boreal forest environments. Remote Sensing of Environment, 2021, 254, 112267.	4.6	10
17	The effect of boreal forest canopy to reflectance of snow covered terrain based on airborne imaging spectrometer observations. International Journal of Applied Earth Observation and Geoinformation, 2014, 27, 31-41.	1.4	8
18	Satelliteâ€based flood mapping in the boreal region for improving situational awareness. Journal of Flood Risk Management, 2022, 15, e12744.	1.6	4

#	Article	IF	Citations
19	Effects of Arctic Wetland Dynamics on Tower-Based GNSS Reflectometry Observations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	3
20	Attenuation of Radar Signal by a Boreal Forest Canopy in Winter. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3
21	Assessing global satellite-based snow water equivalent datasets in ESA SnowPEx project. , 2016, , .		2
22	On the estimate of the microwave shadowing effect on sparse boreal forests. , 2015, , .		0
23	Hydrological applications of super resolution SWE processing system over Europe. , 2016, , .		0
24	Long term changes in Northern hemisphere snow cover from SWE timeseries constrained with SE data. , 2017, , .		0