Simon Proud

List of Publications by Year
in descending order

30 papers	2,813 citations	394421 19 h-index	454955 30 g-index
39 all docs	39 docs citations	39 times ranked	4337 citing authors

#	Article	IF	Citations
1	Automated Water Extraction Index: A new technique for surface water mapping using Landsat imagery. Remote Sensing of Environment, 2014, 140, 23-35.	11.0	1,219
2	Evaluation of Earth Observation based global long term vegetation trends â€" Comparing GIMMS and MODIS global NDVI time series. Remote Sensing of Environment, 2012, 119, 131-147.	11.0	627
3	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. Science, 2020, 369, 1338-1343.	12.6	202
4	Cloud property datasets retrieved from AVHRR, MODIS, AATSR and MERIS in the framework of the Cloud_cci project. Earth System Science Data, 2017, 9, 881-904.	9.9	75
5	A system dynamics approach to land use changes in agro-pastoral systems on the desert margins of Sahel. Agricultural Systems, 2012, 107, 56-64.	6.1	62
6	Unveiling aerosolâ€"cloud interactions â€" Part 1: Cloud contamination in satellite products enhances the aerosol indirect forcing estimate. Atmospheric Chemistry and Physics, 2017, 17, 13151-13164.	4.9	61
7	Quantifying aviationâ€™s contribution to global warming. Environmental Research Letters, 2021, 16, 104027.	5.2	61
8	Assessment of MODIS sun-sensor geometry variations effect on observed NDVI using MSG SEVIRI geostationary data. International Journal of Remote Sensing, 2010, 31, 6163-6187.	2.9	41
9	Multilayer Perceptron Neural Networks Model for Meteosat Second Generation SEVIRI Daytime Cloud Masking. Remote Sensing, 2015, 7, 1529-1539.	4.0	40
10	Rapid response flood detection using the MSG geostationary satellite. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 536-544.	2.8	37
11	Modeling Angular Dependences in Land Surface Temperatures From the SEVIRI Instrument Onboard the Geostationary Meteosat Second Generation Satellites. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3123-3133.	6.3	34
12	Detecting Canopy Water Status Using Shortwave Infrared Reflectance Data From Polar Orbiting and Geostationary Platforms. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 271-285.	4.9	34
13	Analysing the advantages of high temporal resolution geostationary MSG SEVIRI data compared to Polar Operational Environmental Satellite data for land surface monitoring in Africa. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 721-729.	2.8	34
14	Relation between Seasonally Detrended Shortwave Infrared Reflectance Data and Land Surface Moisture in Semiâ€‘Arid Sahel. Remote Sensing, 2013, 5, 2898-2927.	4.0	32
15	Improving the SMAC atmospheric correction code by analysis of Meteosat Second Generation NDVI and surface reflectance data. Remote Sensing of Environment, 2010, 114, 1687-1698.	11.0	28
16	The Community Cloud retrieval for CLimate (CC4CL) â€" Part 1: A framework applied to multiple satellite imaging sensors. Atmospheric Measurement Techniques, 2018, 11, 3373-3396.	3.1	27
17	The Community Cloud retrieval for CLimate (CC4CL) â€" Part 2: The optimal estimation approach. Atmospheric Measurement Techniques, 2018, 11, 3397-3431.	3.1	27
18	Hygroscopic and phase separation properties of ammonium sulfate/organics/water ternary solutions. Atmospheric Chemistry and Physics, 2015, 15, 8975-8986.	4.9	23

#	Article	IF	Citations
19	A comparison of the effectiveness of 6S and SMAC in correcting for atmospheric interference of Meteosat Second Generation images. Journal of Geophysical Research, 2010, 115, .	3.3	22
20	The influence of seasonal rainfall upon Sahel vegetation. Remote Sensing Letters, 2011, 2, 241-249.	1.4	19
21	Analysis of overshooting top detections by Meteosat Second Generation: a 5‑year dataset. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 909-915.	2.7	16
22	The Normalization of Surface Anisotropy Effects Present in SEVIRI Reflectances by Using the MODIS BRDF Method. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6026-6039.	6.3	14
23	Evaluating EO-based canopy water stress from seasonally detrended NDVI and SIWSI with modeled evapotranspiration in the Senegal River Basin. Remote Sensing of Environment, 2015, 159, 57-69.	11.0	14
24	Reconstructing the orbit of the Chelyabinsk meteor using satellite observations. Geophysical Research Letters, 2013, 40, 3351-3355.	4.0	12
25	Go-Around Detection Using Crowd-Sourced ADS-B Position Data. Aerospace, 2020, 7, 16.	2.2	12
26	Analysis of aircraft flights near convective weather over Europe. Weather, 2015, 70, 292-296.	0.7	9
27	Record‑Low Cloud Temperatures Associated With a Tropical Deep Convective Event. Geophysical Research Letters, 2021, 48, e2020GL092261.	4.0	7
28	Cloud&lt;i&gt;_&lt;/i&gt;cci ATSR-2 and AATSR data set version 3: a 17-year climatology of global cloud and radiation properties. Earth System Science Data, 2020, 12, 2121-2135.	9.9	5
29	Observation of Polar Mesospheric Clouds by Geostationary Satellite Sensors. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1332-1336.	3.1	4
30	Improving discrimination between clouds and optically thick aerosol plumes in geostationary satellite data. Atmospheric Measurement Techniques, 2022, 15, 3031-3051.	3.1	2