

Guido G Lemoine

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,688
citations

471509

17
h-index

610901

24
g-index

37
all docs

37
docs citations

37
times ranked

3173
citing authors

#	ARTICLE	IF	CITATIONS
1	A Method for Estimating Soil Moisture from ERS Scatterometer and Soil Data. Remote Sensing of Environment, 1999, 70, 191-207.	11.0	1,032
2	Earthquake Damage Assessment of Buildings Using VHR Optical and SAR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2403-2420.	6.3	424
3	Abrupt increase in harvested forest area over Europe after 2015. Nature, 2020, 583, 72-77.	27.8	198
4	Parcel-Based Crop Classification in Ukraine Using Landsat-8 Data and Sentinel-1A Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2500-2508.	4.9	148
5	ASAP: A new global early warning system to detect anomaly hot spots of agricultural production for food security analysis. Agricultural Systems, 2019, 168, 247-257.	6.1	80
6	Detecting flowering phenology in oil seed rape parcels with Sentinel-1 and -2 time series. Remote Sensing of Environment, 2020, 239, 111660.	11.0	79
7	A Comprehensive Analysis of Building Damage in the 12 January 2010 Mw7 Haiti Earthquake Using High-Resolution Satellite and Aerial Imagery. Photogrammetric Engineering and Remote Sensing, 2011, 77, 997-1009.	0.6	78
8	Comparing land surface phenology of major European crops as derived from SAR and multispectral data of Sentinel-1 and -2. Remote Sensing of Environment, 2021, 253, 112232.	11.0	77
9	From parcel to continental scale – A first European crop type map based on Sentinel-1 and LUCAS Copernicus in-situ observations. Remote Sensing of Environment, 2021, 266, 112708.	11.0	74
10	On the Relationship Between Double Bounce and the Orientation of Buildings in VHR SAR Images. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 612-616.	3.1	57
11	Harmonised LUCAS in-situ land cover and use database for field surveys from 2006 to 2018 in the European Union. Scientific Data, 2020, 7, 352.	5.3	50
12	Distributed Geospatial Data Processing Functionality to Support Collaborative and Rapid Emergency Response. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2009, 2, 33-46.	4.9	36
13	Targeted Grassland Monitoring at Parcel Level Using Sentinels, Street-Level Images and Field Observations. Remote Sensing, 2018, 10, 1300.	4.0	35
14	A map of the extent and year of detection of oil palm plantations in Indonesia, Malaysia and Thailand. Scientific Data, 2021, 8, 96.	5.3	32
15	Remote sensing time series analysis for crop monitoring with the SPIRITS software: new functionalities and use examples. Frontiers in Environmental Science, 2015, 3, .	3.3	31
16	Radar Imaging Simulation for Urban Structures. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 68-72.	3.1	29
17	High Spatio- Temporal Resolution Land Surface Temperature Mission - a Copernicus Candidate Mission in Support of Agricultural Monitoring. , 2018, , .		29
18	Comparison of Damage Assessment Maps Derived from Very High Spatial Resolution Satellite and Aerial Imagery Produced for the Haiti 2010 Earthquake. Earthquake Spectra, 2011, 27, 199-218.	3.1	26

#	ARTICLE	IF	CITATIONS
19	Parcel based classification for agricultural mapping and monitoring using multi-temporal satellite image sequences. , 2015, , .		23
20	Analysis of the reliability of the double bounce scattering mechanism for detecting buildings in VHR SAR images. , 2009, , .		20
21	Change detection for earthquake damage assessment in built-up areas using very high resolution optical and SAR imagery. , 2010, , .		20
22	Crowdsourced Street-Level Imagery as a Potential Source of In-Situ Data for Crop Monitoring. Land, 2018, 7, 127.	2.9	19
23	LUCAS Copernicus 2018: Earth-observation-relevant in situ data on land cover and use throughout the European Union. Earth System Science Data, 2021, 13, 1119-1133.	9.9	18
24	Reply to Wernick, I. K. et al.; PalahÃ; M. et al.. Nature, 2021, 592, E18-E23.	27.8	16
25	Crop mapping applications at scale: Using Google Earth Engine to enable global crop area and status monitoring using free and open data sources. , 2015, , .		13
26	Fast Surface Height Determination Using Multi-Angular WorldView-2 Ortho Ready Urban Scenes. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 80-88.	4.9	11
27	Geo-Correction of High-Resolution Imagery Using Fast Template Matching on a GPU in Emergency Mapping Contexts. Remote Sensing, 2013, 5, 4488-4502.	4.0	10
28	ASAP - Anomaly hot Spots of Agricultural Production, a new early warning decision support system developed by the Joint Research Centre. , 2017, , .		4
29	Building characterisation in VHR SAR data acquired under controlled EMSL conditions. , 2007, , .		2
30	Building height retrieval from airborne VHR SAR imagery based on an iterative simulation and matching procedure. , 2008, , .		2
31	Estimation of building heights from detected dual-aspect VHR SAR imagery using an iterative simulation and matching procedure in combination with functional analysis. , 2009, , .		2
32	Accessible high performance computing solutions for near real-time image processing for time critical applications. Proceedings of SPIE, 2009, , .	0.8	2
33	Superoverlay Deployment in Grid-Enabled Image Processing. , 2008, , .		1
34	Potentials and limitations of NFIs and remote sensing in the assessment of harvest rates: a reply to Breidenbach et al.. Annals of Forest Science, 2022, 79, .	2.0	1
35	<title>Segmentation of multitemporal ERS-1 SAR imagery</title>. , 1995, , .		0