

Anna Barra

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

722
citations

758635

12
h-index

580395

25
g-index

64
all docs

64
docs citations

64
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of ground deformation using sentinel-1 persistent scatterer interferometry time series. GIScience and Remote Sensing, 2022, 59, 374-392.	2.4	9
2	A Multi-Temporal Small Baseline Interferometry Procedure Applied to Mining-Induced Deformation Monitoring. Remote Sensing, 2022, 14, 2182.	1.8	8
3	Pyrenees deformation monitoring using Sentinel-1 data and the Persistent Scatterer Interferometry technique. Procedia Computer Science, 2021, 181, 671-677.	1.2	3
4	Sentinel-1 A-DInSAR Approaches to Map and Monitor Ground Displacements. Remote Sensing, 2021, 13, 1120.	1.8	5
5	Combining Satellite InSAR, Slope Units and Finite Element Modeling for Stability Analysis in Mining Waste Disposal Areas. Remote Sensing, 2021, 13, 2008.	1.8	9
6	D-InSAR monitoring of ground deformation related to the dewatering of construction sites. A case study of Glàries Square, Barcelona. Engineering Geology, 2021, 286, 106041.	2.9	12
7	Monitoring deformations related to geological risks with InSaR data – the MOMPA project. IOP Conference Series: Earth and Environmental Science, 2021, 833, 012142.	0.2	1
8	Sentinel-1 Data Processing for Detecting and Monitoring of Ground Instabilities in the Rocky Coast of Central Asturias (N Spain). Remote Sensing, 2021, 13, 3076.	1.8	4
9	DInSAR deformation measurement using active and passive reflectors. , 2021, , .		1
10	Rapid characterisation of the extremely large landslide threatening the Rules Reservoir (Southern Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	15
11	Interferometric SAR deformation timeseries: a quality index. , 2021, , .		0
12	Filtering of the Atmospheric Phase Screen in InSAR Data Using the Nonequispaced Fast Fourier Transform. , 2021, , .		1
13	Sentinel-1 PSI Data for the Evaluation of Landslide Geohazard and Impact. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 447-455.	0.3	0
14	Satellite interferometric data for landslide intensity evaluation in mountainous regions. International Journal of Applied Earth Observation and Geoinformation, 2020, 87, 102028.	1.4	40
15	Geotechnics for rockfall assessment in the volcanic island of Gran Canaria (Canary Islands, Spain). Journal of Maps, 2020, 16, 605-613.	1.0	12
16	Mapping and monitoring ground instabilities with Sentinel-1 data: the experience of Sernageomin. , 2020, , .		0
17	Multi-Temporal Satellite Interferometry for Fast-Motion Detection: An Application to Salt Solution Mining. Remote Sensing, 2020, 12, 3919.	1.8	9
18	ADAtools: Automatic Detection and Classification of Active Deformation Areas from PSI Displacement Maps. ISPRS International Journal of Geo-Information, 2020, 9, 584.	1.4	19

#	ARTICLE	IF	CITATIONS
19	Review of Satellite Interferometry for Landslide Detection in Italy. <i>Remote Sensing</i> , 2020, 12, 1351.	1.8	90
20	Remote analysis of an open-pit slope failure: Las Cruces case study, Spain. <i>Landslides</i> , 2020, 17, 2173-2188.	2.7	34
21	Sentinel-1 DInSAR for Monitoring Active Landslides in Critical Infrastructures: The Case of the Rules Reservoir (Southern Spain). <i>Remote Sensing</i> , 2020, 12, 809.	1.8	42
22	Automating the Detection and Classification of Active Deformation Areas—A Sentinel-Based Toolset. <i>Proceedings (mdpi)</i> , 2019, 19, 15.	0.2	2
23	Semi-Automatic Identification and Pre-Screening of Geological—Geotechnical Deformational Processes Using Persistent Scatterer Interferometry Datasets. <i>Remote Sensing</i> , 2019, 11, 1675.	1.8	49
24	A Toolset to Detect and Classify Active Deformation Areas using Interferometric SAR Data. , 2019, , .		4
25	Fast detection of ground motions on vulnerable elements using Sentinel-1 InSAR data. <i>Geomatics, Natural Hazards and Risk</i> , 2018, 9, 152-174.	2.0	34
26	A Persistent Scatterer Interferometry Procedure Based on Stable Areas to Filter the Atmospheric Component. <i>Remote Sensing</i> , 2018, 10, 1780.	1.8	6
27	Satellite Data to Improve the Knowledge of Geohazards in World Heritage Sites. <i>Remote Sensing</i> , 2018, 10, 992.	1.8	21
28	THE SAFETY PROJECT: SENTINEL-1 FOR THE MANAGEMENT OF GEOLOGICAL RISK. , 2018, , .		2
29	A Methodology to Detect and Update Active Deformation Areas Based on Sentinel-1 SAR Images. <i>Remote Sensing</i> , 2017, 9, 1002.	1.8	102
30	Sentinel-1 Data Analysis for Landslide Detection and Mapping: First Experiences in Italy and Spain. , 2017, , 201-208.		6
31	Interpolation of GPS and Geological Data Using InSAR Deformation Maps: Method and Application to Land Subsidence in the Alto Guadalentn Aquifer (SE Spain). <i>Remote Sensing</i> , 2016, 8, 965.	1.8	42
32	First insights on the potential of Sentinel-1 for landslides detection. <i>Geomatics, Natural Hazards and Risk</i> , 2016, 7, 1874-1883.	2.0	81
33	Deformation Monitoring Using Persistent Scatterer Interferometry and Sentinel-1 SAR Data. <i>Procedia Computer Science</i> , 2016, 100, 1121-1126.	1.2	13
34	ACTIVE REFLECTORS FOR INTERFEROMETRIC SAR DEFORMATION MEASUREMENT. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B3-2021, 177-182.	0.2	1
35	USING TAILORED GRAPHICAL TOOLS TO IMPROVE THE QUALITY OF DISPLACEMENT MAPS AT CTTIC: THE VETOOLS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B3-2021, 163-169.	0.2	0
36	PERSISTENT SCATTERER INTERFEROMETRY USING SENTINEL-1 DATA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B7, 835-839.	0.2	8

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37	A PERSISTENT SCATTERER INTERFEROMETRY PROCEDURE TO MONITOR URBAN SUBSIDENCE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 1921-1926.	0.2	2
38	DATA PROCESSING AND ANALYSIS TOOLS BASED ON GROUND-BASED SYNTHETIC APERTURE RADAR IMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 593-596.	0.2	4
39	DEFORMATION MEASUREMENT USING SENTINEL-1A/B IMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 597-600.	0.2	1
40	DEFORMATION MONITORING USING SAR INTERFEROMETRY AND ACTIVE AND PASSIVE REFLECTORS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 287-292.	0.2	7
41	PERSISTENT SCATTERER INTERFEROMETRY USING SENTINEL-1 DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B7, 835-839.	0.2	10
42	EL PROYECTO MOMPA: PROTOCOLOS DE ACTUACI3N BASADOS EN EL MONITOREO MEDIANTE INTERFEROMETR3A SATELITAL RADAR (INSAR). , 0, , .		0
43	SAFETY PROJECT: SENTINEL-1 BASED TOOLS FOR GEOHAZARDS MONITORING AND MANAGEMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W4, 351-355.	0.2	0
44	MAPPING AND MONITORING GROUND INSTABILITIES WITH SENTINEL-1 DATA: THE EXPERIENCE OF SERNAGEOMIN. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W12-2020, 1-6.	0.2	0
45	ANALYSIS OF MINING-INDUCED TERRAIN DEFORMATION USING MULTITEMPORAL DISTRIBUTED SCATTERER SAR INTERFEROMETRY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2022, 321-326.	0.2	0
46	INFRASTRUCTURE MONITORING USING THE INTERFEROMETRIC SYNTHETIC APERTURE RADAR (INSAR) TECHNIQUE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2022, 271-276.	0.2	2
47	ANALYSIS OF THE PRODUCTS OF THE COPERNICUS GROUND MOTION SERVICE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2022, 257-262.	0.2	0
48	INSAR DEFORMATION TIME SERIES CLASSIFICATION USING A CONVOLUTIONAL NEURAL NETWORK. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2022, 307-312.	0.2	5
49	GROUND DEFORMATION ANALYSIS USING BASIC PRODUCTS OF THE COPERNICUS GROUND MOTION SERVICE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2022, 349-354.	0.2	1
50	DIFFERENTIAL SAR INTERFEROMETRY FOR THE MONITORING OF LAND SUBSIDENCE ALONG RAILWAY INFRASTRUCTURES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2022, 361-366.	0.2	1