

Michele Crosetto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1698819/publications.pdf>

Version: 2024-02-01

76
papers

3,070
citations

218381

26
h-index

182168

51
g-index

81
all docs

81
docs citations

81
times ranked

2606
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground Movement Classification Using Statistical Tests Over Persistent Scatterer Interferometry Time Series. <i>Procedia Computer Science</i> , 2022, 196, 21-26.	1.2	0
2	Spatio-Temporal Quality Indicators for Differential Interferometric Synthetic Aperture Radar Data. <i>Remote Sensing</i> , 2022, 14, 798.	1.8	2
3	Classification of ground deformation using sentinel-1 persistent scatterer interferometry time series. <i>GIScience and Remote Sensing</i> , 2022, 59, 374-392.	2.4	9
4	A Multi-Temporal Small Baseline Interferometry Procedure Applied to Mining-Induced Deformation Monitoring. <i>Remote Sensing</i> , 2022, 14, 2182.	1.8	8
5	Past, Present and Future Monitoring at the Vallcebre Landslide (Eastern Pyrenees, Spain). <i>Applied Sciences (Switzerland)</i> , 2021, 11, 571.	1.3	8
6	Pyrenees deformation monitoring using Sentinel-1 data and the Persistent Scatterer Interferometry technique. <i>Procedia Computer Science</i> , 2021, 181, 671-677.	1.2	3
7	A Low-Cost Active Reflector for Interferometric Monitoring Based on Sentinel-1 SAR Images. <i>Sensors</i> , 2021, 21, 2008.	2.1	16
8	D-InSAR monitoring of ground deformation related to the dewatering of construction sites. A case study of Glàries Square, Barcelona. <i>Engineering Geology</i> , 2021, 286, 106041.	2.9	12
9	An innovative extraction methodology of active deformation areas based on sentinel-1 SAR dataset: the catalonia case study. <i>International Journal of Remote Sensing</i> , 2021, 42, 6228-6244.	1.3	6
10	DInSAR deformation measurement using active and passive reflectors. , 2021, , .		1
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. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021, , 447-455.	0.3	0
14	Satellite interferometric data for landslide intensity evaluation in mountainous regions. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 87, 102028.	1.4	40
15	The Evolution of Wide-Area DInSAR: From Regional and National Services to the European Ground Motion Service. <i>Remote Sensing</i> , 2020, 12, 2043.	1.8	89
16	Ground-Based Radar Interferometry for Monitoring the Dynamic Performance of a Multitrack Steel Truss High-Speed Railway Bridge. <i>Remote Sensing</i> , 2020, 12, 2594.	1.8	16
17	Multi-Temporal Satellite Interferometry for Fast-Motion Detection: An Application to Salt Solution Mining. <i>Remote Sensing</i> , 2020, 12, 3919.	1.8	9
18	Review of Satellite Interferometry for Landslide Detection in Italy. <i>Remote Sensing</i> , 2020, 12, 1351.	1.8	90

#	ARTICLE	IF	CITATIONS
19	Above-Ground Biomass Retrieval over Tropical Forests: A Novel GNSS-R Approach with CyGNSS. Remote Sensing, 2020, 12, 1368.	1.8	65
20	Semi-Automatic Identification and Pre-Screening of Geological“Geotechnical Deformational Processes Using Persistent Scatterer Interferometry Datasets. Remote Sensing, 2019, 11, 1675.	1.8	49
21	Editorial for the Special Issue “Urban Deformation Monitoring using Persistent Scatterer Interferometry and SAR Tomography” Remote Sensing, 2019, 11, 1306.	1.8	4
22	First Evaluation of Topography on GNSS-R: An Empirical Study Based on a Digital Elevation Model. Remote Sensing, 2019, 11, 2556.	1.8	23
23	Data analysis tools for persistent scatterer interferometry based on Sentinel-1 data. European Journal of Remote Sensing, 2019, 52, 15-25.	1.7	8
24	Fast detection of ground motions on vulnerable elements using Sentinel-1 InSAR data. Geomatics, Natural Hazards and Risk, 2018, 9, 152-174.	2.0	34
25	Monitoring soil creep landsliding in an urban area using persistent scatterer interferometry (El) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2.7 15		
26	A Persistent Scatterer Interferometry Procedure Based on Stable Areas to Filter the Atmospheric Component. Remote Sensing, 2018, 10, 1780.	1.8	6
27	Impact of the Elevation Angle on CYGNSS GNSS-R Bistatic Reflectivity as a Function of Effective Surface Roughness over Land Surfaces. Remote Sensing, 2018, 10, 1749.	1.8	19
28	Comparison of Persistent Scatterer Interferometry and SAR Tomography Using Sentinel-1 in Urban Environment. Remote Sensing, 2018, 10, 1986.	1.8	19
29	Displacement Monitoring and Health Evaluation of Two Bridges Using Sentinel-1 SAR Images. Remote Sensing, 2018, 10, 1714.	1.8	26
30	Geodetic and Remote-Sensing Sensors for Dam Deformation Monitoring. Sensors, 2018, 18, 3682.	2.1	102
31	Displacement monitoring and modelling of a high-speed railway bridge using C-band Sentinel-1 data. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 128, 204-211.	4.9	70
32	A Methodology to Detect and Update Active Deformation Areas Based on Sentinel-1 SAR Images. Remote Sensing, 2017, 9, 1002.	1.8	102
33	Radar Interferometry for Monitoring the Vibration Characteristics of Buildings and Civil Structures: Recent Case Studies in Spain. Sensors, 2017, 17, 669.	2.1	39
34	Ground-based synthetic aperture radar interferometry for deformation monitoring: a case study at Geheyan Dam, China. Journal of Applied Remote Sensing, 2017, 11, 1.	0.6	10
35	First insights on the potential of Sentinel-1 for landslides detection. Geomatics, Natural Hazards and Risk, 2016, 7, 1874-1883.	2.0	81
36	Deformation Monitoring Using Persistent Scatterer Interferometry and Sentinel-1 SAR Data. Procedia Computer Science, 2016, 100, 1121-1126.	1.2	13

#	ARTICLE	IF	CITATIONS
37	Detection of ground movements in Montjuïc (Barcelona) using TerraSAR-X data. Bulletin of Engineering Geology and the Environment, 2016, 75, 1023-1032.	1.6	1
38	Persistent Scatterer Interferometry: A review. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 115, 78-89.	4.9	663
39	Measuring thermal expansion using X-band persistent scatterer interferometry. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 100, 84-91.	4.9	78
40	An Approach to Persistent Scatterer Interferometry. Remote Sensing, 2014, 6, 6662-6679.	1.8	88
41	Discontinuous GBSAR deformation monitoring. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 93, 136-141.	4.9	45
42	Systematic Exploitation of the Persistent Scatterer Interferometry Potential. Procedia Technology, 2014, 16, 94-100.	1.1	1
43	Comparison of seismometer and radar measurements for the modal identification of civil engineering structures. Engineering Structures, 2013, 51, 10-22.	2.6	55
44	Non-interferometric GB-SAR measurement: application to the Vallcebre landslide (eastern Pyrenees.) Tj ETQq0 0 0 rBT /Overlock 10 Tf 5	1.5	20
45	Interferometric SAR monitoring of the Vallcebre landslide (Spain) using corner reflectors. Natural Hazards and Earth System Sciences, 2013, 13, 923-933.	1.5	60
46	The Potential of Coherent Radar to Support the Monitoring of the Health State of Buildings. Research in Nondestructive Evaluation, 2012, 23, 125-145.	0.5	27
47	A new product from persistent scatterer interferometry: The thermal dilation maps. , 2011, , .		8
48	Spaceborne Differential SAR Interferometry: Data Analysis Tools for Deformation Measurement. Remote Sensing, 2011, 3, 305-318.	1.8	77
49	The Thermal Expansion Component of Persistent Scatterer Interferometry Observations. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 864-868.	1.4	114
50	First evidences of fast creeping on a long-lasting quiescent earthquake normal-fault in the Mediterranean. Geophysical Journal International, 2009, 179, 720-732.	1.0	8
51	Practical persistent scatterer processing validation in the course of the Terrafirma project. Journal of Applied Geophysics, 2009, 69, 59-65.	0.9	59
52	Generation of Advanced ERS and Envisat Interferometric SAR Products Using the Stable Point Network Technique. Photogrammetric Engineering and Remote Sensing, 2008, 74, 443-450.	0.3	116
53	Two Radar Interferometric Approaches to Monitor Slow and Fast Land Deformation. Journal of Surveying Engineering, - ASCE, 2007, 133, 66-71.	1.0	46
54	Subsidence monitoring using SAR interferometry: Reduction of the atmospheric effects using stochastic filtering. Geophysical Research Letters, 2002, 29, 26-1-26-4.	1.5	42

#	ARTICLE	IF	CITATIONS
55	Uncertainty propagation in models driven by remotely sensed data. Remote Sensing of Environment, 2001, 76, 373-385.	4.6	55
56	Uncertainty and sensitivity analysis: tools for GIS-based model implementation. International Journal of Geographical Information Science, 2001, 15, 415-437.	2.2	244
57	Sensitivity and uncertainty analysis in spatial modelling based on GIS. Agriculture, Ecosystems and Environment, 2000, 81, 71-79.	2.5	199
58	DEFORMATION MONITORING AT EUROPEAN SCALE: THE COPERNICUS GROUND MOTION SERVICE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2021, 141-146.	0.2	12
59	ACTIVE REFLECTORS FOR INTERFEROMETRIC SAR DEFORMATION MEASUREMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2021, 177-182.	0.2	1
60	MONITORING AND EVALUATION OF A LONG-SPAN RAILWAY BRIDGE USING SENTINEL-1 DATA. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-2/W4, 457-463.	0.0	1
61	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	8
62	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
63	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
64	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
65	URBAN MONITORING BASED ON SENTINEL-1 DATA USING PERMANENT SCATTERER INTERFEROMETRY AND SAR TOMOGRAPHY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3, 235-238.	0.2	2
66	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
67	GROUND DEFORMATION MONITORING AT CONTINENTAL SCALE: THE EUROPEAN GROUND MOTION SERVICE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 293-298.	0.2	4
68	Exploitation of the full potential of PSI data for subsidence monitoring. Proceedings of the International Association of Hydrological Sciences, 0, 372, 311-314.	1.0	13
69	ATMOSPHERIC PHASE DELAY IN SENTINEL SAR INTERFEROMETRY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3, 741-744.	0.2	3
70	DEFORMATION MONITORING USING SATELLITE RADAR INTERFEROMETRY. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-3/W2-2020, 1-6.	0.0	0
71	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
72	INTERFEROMETRIC SAR DEFORMATION MONITORING USING PASSIVE REFLECTORS AND ASCENDING AND DESCENDING PASSES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2022, 285-292.	0.2	0

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	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
76	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