

Carolina Filizzola

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,373
citations

377584

21
h-index

406436

35
g-index

62
all docs

62
docs citations

62
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Satellite System for Fire Detection and Prioritization. <i>Remote Sensing</i> , 2022, 14, 335.	1.8	8
2	RST Analysis of Anomalous TIR Sequences in Relation with Earthquakes Occurred in Turkey in the Period 2004â€“2015. <i>Remote Sensing</i> , 2022, 14, 381.	1.8	16
3	Robust Satellite-Based Identification and Monitoring of Forests Having Undergone Climate-Change-Related Stress. <i>Land</i> , 2022, 11, 825.	1.2	4
4	Statistical Correlation Analysis Between Thermal Infrared Anomalies Observed From MTSATs and Large Earthquakes Occurred in Japan (2005â€“2015). <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020108.	1.4	31
5	Mt. Etna Paroxysms of Februaryâ€“April 2021 Monitored and Quantified through a Multi-Platform Satellite Observing System. <i>Remote Sensing</i> , 2021, 13, 3074.	1.8	17
6	Validation of Ash/Dust Detections from SEVIRI Data Using ACTRIS/EARLINET Ground-Based LIDAR Measurements. <i>Remote Sensing</i> , 2020, 12, 1172.	1.8	1
7	Toward the development of a multi parametric system for a short-term assessment of the seismic hazard in Italy. <i>Annals of Geophysics</i> , 2020, 63, .	0.5	5
8	Tropospheric and Ionospheric Anomalies Induced by Volcanic and Saharan Dust Events as Part of Geosphere Interaction Phenomena. <i>Geosciences (Switzerland)</i> , 2019, 9, 177.	1.0	13
9	Investigating Volcanic Plumes from Mt. Etna Eruptions of December 2015 by Means of AVHRR and SEVIRI Data. <i>Sensors</i> , 2019, 19, 1174.	2.1	2
10	The July/August 2019 Lava Flows at the Sciara del Fuoco, Stromboliâ€“Analysis from Multi-Sensor Infrared Satellite Imagery. <i>Remote Sensing</i> , 2019, 11, 2879.	1.8	29
11	On the use of temporal vegetation indices in support of eligibility controls for EU aids in agriculture. <i>International Journal of Remote Sensing</i> , 2018, 39, 4572-4598.	1.3	5
12	Comparing Two Independent Satellite-Based Algorithms for Detecting and Tracking Ash Clouds by Using SEVIRI Sensor. <i>Sensors</i> , 2018, 18, 369.	2.1	8
13	Issues and Possible Improvements in Winter Fires Detection by Satellite Radiances Analysis: Lesson Learned in Two Regions of Northern Italy. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 3297-3313.	2.3	10
14	Erratum to â€œRST-FIRES, an exportable algorithm for early-fire detection and monitoring: Description, implementation, and field validation in the case of the MSG-SEVIRI sensorâ€•[<i>Remote Sens. Environ.</i> 186 (2016) 196â€“216]. <i>Remote Sensing of Environment</i> , 2017, 192, e1.	4.6	0
15	An Enhanced Satellite-Based Algorithm for Detecting and Tracking Dust Outbreaks by Means of SEVIRI Data. <i>Remote Sensing</i> , 2017, 9, 537.	1.8	24
16	Long-Term RST Analysis of Anomalous TIR Sequences in Relation with Earthquakes Occurred in Greece in the Period 2004â€“2013. <i>Pure and Applied Geophysics</i> , 2016, 173, 285-303.	0.8	55
17	RST-FIRES, an exportable algorithm for early-fire detection and monitoring: description, implementation, and field validation in the case of the MSG-SEVIRI sensor. <i>Remote Sensing of Environment</i> , 2016, 186, 196-216.	4.6	26
18	An innovative system for sharing, integration and visualization of heterogeneous 4D-information. <i>Environmental Modelling and Software</i> , 2016, 77, 50-62.	1.9	4

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19	A review of RSTVOLC, an original algorithm for automatic detection and near-real-time monitoring of volcanic hotspots from space. Geological Society Special Publication, 2016, 426, 55-72.	0.8	22
20	Robust Satellite Techniques (RST) for monitoring earthquake prone areas by satellite TIR observations: The case of 1999 Chi-Chi earthquake (Taiwan). Journal of Asian Earth Sciences, 2015, 114, 289-298.	1.0	47
21	Reducing atmospheric noise in RST analysis of TIR satellite radiances for earthquakes prone areas satellite monitoring. Physics and Chemistry of the Earth, 2015, 85-86, 87-97.	1.2	21
22	Identification of dust outbreaks on infrared MSG-SEVIRI data by using a Robust Satellite Technique (RST). Acta Astronautica, 2014, 93, 64-70.	1.7	28
23	Long term TIR satellite monitoring over Europe, US and Asian Regions: Results and possible implications for an Integrated System for a time-Dependent Assessment of Seismic Hazard (t-DASH). , 2014, , .		1
24	A satellite-based analysis of the Val d'Agri Oil Center (southern Italy) gas flaring emissions. Natural Hazards and Earth System Sciences, 2014, 14, 2783-2793.	1.5	19
25	On the possible origin of thermal infrared radiation (TIR) anomalies in earthquake-prone areas observed using robust satellite techniques (RST). Chemical Geology, 2013, 339, 157-168.	1.4	79
26	PRE-EARTHQUAKES, an FP7 project for integrating observations and knowledges on earthquake precursors: Preliminary results and strategy. , 2012, , .		2
27	Assessment and improvement of a robust satellite technique (RST) for thermal monitoring of volcanoes. Remote Sensing of Environment, 2011, 115, 1556-1563.	4.6	30
28	Assessment and validation in time domain of a Robust Satellite Technique (RST_{ASH}) for ash cloud detection. Geomatics, Natural Hazards and Risk, 2011, 2, 247-262.	2.0	5
29	On the Exportability of Robust Satellite Techniques (RST) for Active Volcano Monitoring. Remote Sensing, 2010, 2, 1575-1588.	1.8	24
30	A study on the Abruzzo 6 April 2009 earthquake by applying the RST approach to 15 years of AVHRR TIR observations. Natural Hazards and Earth System Sciences, 2010, 10, 395-406.	1.5	42
31	Using RST approach and EOS-MODIS radiances for monitoring seismically active regions: a study on the 6 April 2009 Abruzzo earthquake. Natural Hazards and Earth System Sciences, 2010, 10, 239-249.	1.5	53
32	Robust Satellite Techniques (RST) for active volcanoes monitoring. , 2010, , .		3
33	A multi-sensors analysis of RST-based thermal anomalies in the case of the Abruzzo earthquake. , 2010, , .		6
34	A Robust Satellite Technique (RST) for dust storm detection and monitoring: The case of 2009 Australian event. , 2010, , .		5
35	Improving flood monitoring by the Robust AVHRR Technique (RAT) approach: the case of the April 2000 Hungary flood. International Journal of Remote Sensing, 2010, 31, 2043-2062.	1.3	24
36	RST analysis of MSG-SEVIRI TIR radiances at the time of the Abruzzo 6 April 2009 earthquake. Natural Hazards and Earth System Sciences, 2009, 9, 2073-2084.	1.5	55

#	ARTICLE	IF	CITATIONS
37	Robust satellite techniques for thermal volcanic activity monitoring, early warning and possible prediction of new eruptive events. , 2009, , .		4
38	Advanced satellite technique for volcanic activity monitoring and early warning. Annals of Geophysics, 2009, 51, .	0.5	6
39	Robust TIR satellite techniques for monitoring earthquake active regions: limits, main achievements and perspectives. Annals of Geophysics, 2009, 51, .	0.5	19
40	Robust satellite techniques for volcanicand seismic hazards monitoring. Annals of Geophysics, 2009, 47, .	0.5	24
41	Early Warnings and Alerts. , 2009, , 189-209.		0
42	Robust satellite techniques (RST) for the thermal monitoring of earthquake prone areas: the case of Umbria-Marche October, 1997 seismic events. Annals of Geophysics, 2009, 51, .	0.5	12
43	Robust Satellite Techniques for monitoring TIR anomalies in seismogenic areas. , 2008, , .		7
44	Robust Satellite Techniques (RST) for Pipeline Network Monitoring. , 2007, , .		2
45	A robust satellite technique for monitoring seismically active areas: The case of Bhujâ€“Gujarat earthquake. Tectonophysics, 2007, 431, 197-210.	0.9	76
46	A Robust Multitemporal Satellite Technique for Volcanic Activity Monitoring: Possible Impacts on Volcanic Hazard Mitigation. , 2007, , .		12
47	A Multi-temporal Robust Satellite Technique (RST) for Forest Fire Detection. , 2007, , .		23
48	Robust Satellite Techniques (RST) for Seismically Active Areas Monitoring: the Case of 21st May, 2003 Boumerdes/Thenia (Algeria) Earthquake. , 2007, , .		22
49	Assessing RAT (Robust AVHRR Techniques) performances for volcanic ash cloud detection and monitoring in near real-time: The 2002 eruption of Mt. Etna (Italy). Remote Sensing of Environment, 2007, 107, 440-454.	4.6	36
50	Assessing the potential of thermal infrared satellite surveys for monitoring seismically active areas: The case of Kocaeli (Ä°zmit) earthquake, August 17, 1999. Remote Sensing of Environment, 2005, 96, 409-426.	4.6	192
51	Seismically active area monitoring by robust TIR satellite techniques: a sensitivity analysis on low magnitude earthquakes in Greece and Turkey. Natural Hazards and Earth System Sciences, 2005, 5, 101-108.	1.5	33
52	Robust satellite techniques for seismically active areas monitoring: a sensitivity analysis on September 7, 1999 Athens's earthquake. Physics and Chemistry of the Earth, 2004, 29, 517-527.	1.2	93
53	A self-sufficient approach for GERB cloudy radiance detection. Atmospheric Research, 2004, 72, 39-56.	1.8	58
54	<title>Pollino Project Action D: a multiscale approach in the space-time domain to environmental risk monitoring</title>. , 2002, , .		4

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55	<title>Automatic recognition of rocky outcrops from MIVIS data: a test case on a selected area of the Pollino National Park (southern Italy)</title>. , 2002, 4545, 196.		0