Maria Fabrizia Buongiorno

List of Publications by Year
in descending order

22 papers	401 citations	933264 10 h-index	839398 18 g-index
22 all docs	22 docs citations	22 times ranked	601 citing authors

#	Article	IF	Citations
1	NASA's surface biology and geology designated observable: A perspective on surface imaging algorithms. Remote Sensing of Environment, 2021, 257, 112349.	4.6	148
2	Topographic Maps of Mount Etnaâ€™s Summit Craters, updated to December 2015. Journal of Maps, 2017, 13, 674-683.	1.0	39
3	Spectral properties of volcanic materials from hyperspectral field and satellite data compared with LiDAR data at Mt. Etna. International Journal of Applied Earth Observation and Geoinformation, 2009, 11, 142-155.	1.4	36
4	First Comparisons of Surface Temperature Estimations between ECOSTRESS, ASTER and Landsat 8 over Italian Volcanic and Geothermal Areas. Remote Sensing, 2020, 12, 184.	1.8	34
5	Monitoring of Surface Temperature on Parco delle Biancane (Italian Geothermal Area) Using Optical Satellite Data, UAV and Field Campaigns. Remote Sensing, 2020, 12, 2018.	1.8	24
6	Surface Temperature Multiscale Monitoring by Thermal Infrared Satellite and Ground Images at Campi Flegrei Volcanic Area (Italy). Remote Sensing, 2019, 11, 1007.	1.8	19
7	A Methodology for CO2 Retrieval Applied to Hyperspectral PRISMA Data. Remote Sensing, 2021, 13, 4502.	1.8	15
8	Analysis of Thermal Anomalies in Volcanic Areas Using Multiscale and Multitemporal Monitoring: Vulcano Island Test Case. Remote Sensing, 2019, 11, 134.	1.8	13
9	A Sensitivity Study of the 4.8 Âµm Carbon Dioxide Absorption Band in the MWIR Spectral Range. Remote Sensing, 2020, 12, 172.	1.8	13
10	Ten years of volcanic activity at Mt Etna: High-resolution mapping and accurate quantification of the morphological changes by Pleiades and Lidar data. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102369.	1.4	12
11	High-Resolution and Accurate Topography Reconstruction of Mount Etna from Pleiades Satellite Data. Remote Sensing, 2019, 11, 2983.	1.8	11
12	Thermal Analysis of Volcanoes Based on 10 Years of ASTER Data on Mt. Etna. Remote Sensing and Digital Image Processing, 2013, , 409-428.	0.7	8
13	Comparison of PRISMA Data with Model Simulations, Hyperion Reflectance and Field Spectrometer Measurements on â€˜Piano delle Concazzeâ€™ (Mt. Etna, Italy). Sensors, 2020, 20, 7224.	2.1	7
14	A Technological System for Post-Earthquake Damage Scenarios Based on the Monitoring by Means of an Urban Seismic Network. Sensors, 2021, 21, 7887.	2.1	7
15	Decay Assessment of Stone-Built Cultural Heritage: The Case Study of the Cosenza Cathedral FaÃ§ade (South Calabria, Italy). Remote Sensing, 2021, 13, 3925.	1.8	6
16	Detection of the TiO2 Concentration in the Protective Coatings for the Cultural Heritage by Means of Hyperspectral Data. Sustainability, 2021, 13, 92.	1.6	4
17	KÄ«laueaâ€“Leilani 2018 lava flow delineation using Sentinel2 and Landsat8 images. Geological Society Special Publication, 2024, 519, 75-87.	0.8	2
18	SISSI Project: A Feasibility Study for a Super Resolved Compressive Sensing Multispectral Imager in the Medium Infrared. Engineering Proceedings, 2021, 8, 28.	0.4	2

#	Article	IF	Citations
19	ASI-PRISMA Hyperspectral Mission for the Analysis of Geophysical Phenomena. , 2021, , .		1
20	The Use of Satellite TIR Time Series for Thermal Anomaliesâ€™ Detection on Natural and Urban Areas. Engineering Proceedings, 2020, 1, .	0.4	0
21	Space Missions, Drones and Cameras in Situ for Thermal Analysis and Gas Retrieval in Volcanic Areas. , 2021, , .		0
22	Scientific Requirements for a New EO Mission in the MWIR-LWIR Spectral Range. , 2020, , .		0