

# Maria Fabrizia Buongiorno

## List of Publications by Year in descending order

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Version: 2024-02-01

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	K��lauea��Leilani 2018 lava flow delineation using Sentinel2 and Landsat8 images. Geological Society Special Publication, 2024, 519, 75-87.	0.8	2
2	NASA's surface biology and geology designated observable: A perspective on surface imaging algorithms. Remote Sensing of Environment, 2021, 257, 112349.	4.6	148
3	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
4	Space Missions, Drones and Cameras in Situ for Thermal Analysis and Gas Retrieval in Volcanic Areas. , 2021, , .		0
5	ASI-PRISMA Hyperspectral Mission for the Analysis of Geophysical Phenomena. , 2021, , .		1
6	Decay Assessment of Stone-Built Cultural Heritage: The Case Study of the Cosenza Cathedral Fa��ade (South Calabria, Italy). Remote Sensing, 2021, 13, 3925.	1.8	6
7	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
8	A Methodology for CO2 Retrieval Applied to Hyperspectral PRISMA Data. Remote Sensing, 2021, 13, 4502.	1.8	15
9	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
10	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
11	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
12	Comparison of PRISMA Data with Model Simulations, Hyperion Reflectance and Field Spectrometer Measurements on ��Piano delle Concazze�� <sup>TM</sup> (Mt. Etna, Italy). Sensors, 2020, 20, 7224.	2.1	7
13	A Sensitivity Study of the 4.8 ��m Carbon Dioxide Absorption Band in the MWIR Spectral Range. Remote Sensing, 2020, 12, 172.	1.8	13
14	The Use of Satellite TIR Time Series for Thermal Anomalies�� <sup>TM</sup> Detection on Natural and Urban Areas. Engineering Proceedings, 2020, 1, .	0.4	0
15	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
16	Scientific Requirements for a New EO Mission in the MWIR-LWIR Spectral Range. , 2020, , .		0
17	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
18	Analysis of Thermal Anomalies in Volcanic Areas Using Multiscale and Multitemporal Monitoring: Vulcano Island Test Case. Remote Sensing, 2019, 11, 134.	1.8	13

#	ARTICLE	IF	CITATIONS
19	High-Resolution and Accurate Topography Reconstruction of Mount Etna from Pleiades Satellite Data. Remote Sensing, 2019, 11, 2983.	1.8	11
20	Topographic Maps of Mount Etna's Summit Craters, updated to December 2015. Journal of Maps, 2017, 13, 674-683.	1.0	39
21	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
22	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