

# Giuseppe Modica

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,739  
citations

279487

23  
h-index

288905

40  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Land Cover classification and change-detection analysis using multi-temporal remote sensed imagery and landscape metrics. <i>European Journal of Remote Sensing</i> , 2012, 45, 1-18.	1.7	226
2	Applications of UAV Thermal Imagery in Precision Agriculture: State of the Art and Future Research Outlook. <i>Remote Sensing</i> , 2020, 12, 1491.	1.8	137
3	Urban-rural ecological networks for landscape planning. <i>Land Use Policy</i> , 2016, 50, 312-327.	2.5	114
4	Machine Learning Classification of Mediterranean Forest Habitats in Google Earth Engine Based on Seasonal Sentinel-2 Time-Series and Input Image Composition Optimisation. <i>Remote Sensing</i> , 2021, 13, 586.	1.8	109
5	Object-Based Land Cover Classification of Cork Oak Woodlands using UAV Imagery and Orfeo ToolBox. <i>Remote Sensing</i> , 2019, 11, 1238.	1.8	88
6	Spatio-temporal analysis of the urban-rural gradient structure: an application in a Mediterranean mountainous landscape (Serra San Bruno, Italy). <i>Earth System Dynamics</i> , 2012, 3, 263-279.	2.7	76
7	Application of several spatial interpolation techniques to monthly rainfall data in the Calabria region (southern Italy). <i>International Journal of Climatology</i> , 2018, 38, 3651-3666.	1.5	68
8	Historic Rural Landscapes: Sustainable Planning Strategies and Action Criteria. The Italian Experience in the Global and European Context. <i>Sustainability</i> , 2018, 10, 3834.	1.6	65
9	Implementation of multispecies ecological networks at the regional scale: analysis and multi-temporal assessment. <i>Journal of Environmental Management</i> , 2021, 289, 112494.	3.8	65
10	Monitoring the vegetation vigor in heterogeneous citrus and olive orchards. A multiscale object-based approach to extract trees' crowns from UAV multispectral imagery. <i>Computers and Electronics in Agriculture</i> , 2020, 175, 105500.	3.7	64
11	Pixel- vs. Object-Based Landsat 8 Data Classification in Google Earth Engine Using Random Forest: The Case Study of Maiella National Park. <i>Remote Sensing</i> , 2021, 13, 2299.	1.8	53
12	A Comparison of UAV and Satellites Multispectral Imagery in Monitoring Onion Crop. An Application in the "Cipolla Rossa di Tropea" (Italy). <i>Remote Sensing</i> , 2020, 12, 3424.	1.8	48
13	Abandonment of traditional terraced landscape: A change detection approach (a case study in Costa Tj ETQq1 1 0,784314 rgBT /Ove	1.8	46
14	Comparison and assessment of different object-based classifications using machine learning algorithms and UAVs multispectral imagery: a case study in a citrus orchard and an onion crop. <i>European Journal of Remote Sensing</i> , 2021, 54, 431-460.	1.7	40
15	A methodology based on GEOBIA and WorldView-3 imagery to derive vegetation indices at tree crown detail in olive orchards. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 83, 101912.	1.4	38
16	Using Landsat 8 imagery in detecting cork oak ( <i>Quercus suber</i> L.) woodlands: a case study in Calabria (Italy). <i>Journal of Agricultural Engineering</i> , 2016, 47, 205.	0.7	34
17	Integrated use of Sentinel-1 and Sentinel-2 data and open-source machine learning algorithms for land cover mapping in a Mediterranean region. <i>European Journal of Remote Sensing</i> , 2022, 55, 52-70.	1.7	34
18	Environmental Effectiveness of Swine Sewage Management: A Multicriteria AHP-Based Model for a Reliable Quick Assessment. <i>Environmental Management</i> , 2013, 52, 1023-1039.	1.2	29

#	ARTICLE	IF	CITATIONS
19	Land Suitability Evaluation for Agro-forestry: Definition of a Web-Based Multi-Criteria Spatial Decision Support System (MC-SDSS): Preliminary Results. Lecture Notes in Computer Science, 2016, , 399-413.	1.0	27
20	A workflow based on Sentinel-1 SAR data and open-source algorithms for unsupervised burned area detection in Mediterranean ecosystems. GIScience and Remote Sensing, 2021, 58, 516-541.	2.4	27
21	An index for the assessment of degraded Mediterranean forest ecosystems. Forest Systems, 2015, 24, e037.	0.1	27
22	Application, validation and comparison in different geographical contexts of an integrated model for the design of ecological networks. Journal of Agricultural Engineering, 2015, 46, 52.	0.7	24
23	Events and Tourism Development within a Local Community: The Case of Winchester (UK). Sustainability, 2018, 10, 3728.	1.6	24
24	A GIS-MCDA Based Model for the Suitability Evaluation of Traditional Grape Varieties. International Journal of Agricultural and Environmental Information Systems, 2014, 5, 1-16.	1.8	23
25	Evolution Trends of Land Use/Land Cover in a Mediterranean Forest Landscape in Italy. Lecture Notes in Computer Science, 2011, , 284-299.	1.0	23
26	GIS and Remote Sensing to Study Urban-Rural Transformation During a Fifty-Year Period. Lecture Notes in Computer Science, 2011, , 237-252.	1.0	19
27	Characterizing historical transformation trajectories of the forest landscape in Rome's metropolitan area (Italy) for effective planning of sustainability goals. Land Degradation and Development, 2021, 32, 4708-4726.	1.8	19
28	Free Web Mapping Tools to Characterise Landscape Dynamics and to Favour e-Participation. Lecture Notes in Computer Science, 2013, , 566-581.	1.0	19
29	Monitoring Onion Crop "Cipolla Rossa di Tropea Calabria IGP" Growth and Yield Response to Varying Nitrogen Fertilizer Application Rates Using UAV Imagery. Drones, 2021, 5, 61.	2.7	16
30	Harmonization and Interoperable Sharing of Multi-temporal Geospatial Data of Rural Landscapes. Smart Innovation, Systems and Technologies, 2019, , 51-59.	0.5	13
31	Improving building energy modelling by applying advanced 3D surveying techniques on agri-food facilities. Journal of Agricultural Engineering, 0, 48, .	0.7	12
32	Sentinel-2 Imagery for Mapping Cork Oak (Quercus suber L.) Distribution in Calabria (Italy): Capabilities and Quantitative Estimation. Smart Innovation, Systems and Technologies, 2019, , 60-67.	0.5	12
33	The e-Participation in Tranquillity Areas Identification as a Key Factor for Sustainable Landscape Planning. Lecture Notes in Computer Science, 2013, , 550-565.	1.0	12
34	Geomatics in Analysing the Evolution of Agricultural Terraced Landscapes. Lecture Notes in Computer Science, 2014, , 479-494.	1.0	11
35	Interoperable Sharing and Visualization of Geological Data and Instruments: A Proof of Concept. Lecture Notes in Computer Science, 2017, , 584-599.	1.0	10
36	A fuzzy-based model to implement the global safety buildings index assessment for agri-food buildings. Journal of Agricultural Engineering, 2014, 45, 24.	0.7	9

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37	Unveiling the complex canopy spatial structure of a Mediterranean old-growth beech ( <i>Fagus sylvatica</i> ) Tj ETQq1 1 0,784314 ggBT /Ov	2.6	7
38	Analysing the Mediating Effect of Heritage Between Locals and Visitors: An Exploratory Study Using Mission Patrimoine as a Case Study. Sustainability, 2019, 11, 3015.	1.6	7
39	Comparative Analysis of Different Spatial Interpolation Methods Applied to Monthly Rainfall as Support for Landscape Management. Applied Sciences (Switzerland), 2021, 11, 9566.	1.3	7
40	Mapping the Urban Atmospheric Carbon Stock by LiDAR and WorldView-3 Data. Forests, 2021, 12, 692.	0.9	5
41	The implementation of the Principles for Responsible Management Education within tourism higher education institutions: A comparative analysis of European Union countries. International Journal of Management Education, 2021, 19, 100518.	2.2	5
42	Combined Use of Sentinel-1 and Sentinel-2 for Burn Severity Mapping in a Mediterranean Region. Lecture Notes in Computer Science, 2021, , 139-154.	1.0	4
43	Unmanned Aerial Vehicle (UAV) Derived Canopy Gaps in the Old-Growth Beech Forest of Mount Pollinello (Italy): Preliminary Results. Lecture Notes in Computer Science, 2021, , 126-138.	1.0	4
44	Proposal of a Web-Based Multi-criteria Spatial Decision Support System (MC-SDSS) for Agriculture. Lecture Notes in Civil Engineering, 2020, , 333-341.	0.3	4
45	Unsupervised Burned Area Mapping in a Protected Natural Site. An Approach Using SAR Sentinel-1 Data and K-mean Algorithm. Lecture Notes in Computer Science, 2020, , 63-77.	1.0	4
46	A Multitemporal Fragmentation-Based Approach for a Dynamics Analysis of Agricultural Terraced Systems: The Case Study of Costa Viola Landscape (Southern Italy). Land, 2022, 11, 482.	1.2	4
47	Short-term temporal and spatial analysis for post-fire vegetation regrowth characterization and mapping in a Mediterranean ecosystem using optical and SAR image time-series. Geocarto International, 2024, 37, 15428-15462.	1.7	4
48	Safety performance assessment of food industry facilities using a fuzzy approach. Journal of Agricultural Engineering, 2013, 44, .	0.7	3
49	A Prototype of Service Oriented Architecture for Precision Agriculture. Lecture Notes in Civil Engineering, 2020, , 765-774.	0.3	3
50	Monitoring Onion Crops Using UAV Multispectral and Thermal Imagery: Preliminary Results. Lecture Notes in Civil Engineering, 2020, , 873-880.	0.3	2
51	Multi Temporal Analysis of Sentinel-2 Imagery for Mapping Forestry Vegetation Types: A Google Earth Engine Approach. Smart Innovation, Systems and Technologies, 2021, , 1650-1659.	0.5	2
52	A Fragmentation-Based Analysis of Costa Viola (Southern Italy) Agricultural Terraces. Lecture Notes in Civil Engineering, 2022, , 152-159.	0.3	2
53	Application, validation and comparison in different geographical contexts of an integrated model for the design of ecological networks. Journal of Agricultural Engineering, 2013, 44, .	0.7	1
54	Integration of Satellite Remote Sensing Techniques and Landscape Metrics to Characterize Land Cover Change and Dynamics. Advances in Geospatial Technologies Book Series, 2013, , 228-244.	0.1	0

#	ARTICLE	IF	CITATIONS
55	Detection and Sharing of Anomalies in the Vegetative Vigor of Durum Wheat in Italy. Smart Innovation, Systems and Technologies, 2021, , 1679-1688.	0.5	0