

# Giuseppe Modica

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2580412/publications.pdf>

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	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. <i>Geocarto International</i> , 2024, 37, 15428-15462.	1.7	4
2	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
3	A Fragmentation-Based Analysis of Costa Viola (Southern Italy) Agricultural Terraces. <i>Lecture Notes in Civil Engineering</i> , 2022, , 152-159.	0.3	2
4	A Multitemporal Fragmentation-Based Approach for a Dynamics Analysis of Agricultural Terraced Systems: The Case Study of Costa Viola Landscape (Southern Italy). <i>Land</i> , 2022, 11, 482.	1.2	4
5	Unveiling the complex canopy spatial structure of a Mediterranean old-growth beech ( <i>Fagus sylvatica</i> ) Tj ETQq1 1 0,784314 9 BT / Overl	2.6	9
6	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
7	Combined Use of Sentinel-1 and Sentinel-2 for Burn Severity Mapping in a Mediterranean Region. <i>Lecture Notes in Computer Science</i> , 2021, , 139-154.	1.0	4
8	Unmanned Aerial Vehicle (UAV) Derived Canopy Gaps in the Old-Growth Beech Forest of Mount Pollinello (Italy): Preliminary Results. <i>Lecture Notes in Computer Science</i> , 2021, , 126-138.	1.0	4
9	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
10	A workflow based on Sentinel-1 SAR data and open-source algorithms for unsupervised burned area detection in Mediterranean ecosystems. <i>GIScience and Remote Sensing</i> , 2021, 58, 516-541.	2.4	27
11	Mapping the Urban Atmospheric Carbon Stock by LiDAR and WorldView-3 Data. <i>Forests</i> , 2021, 12, 692.	0.9	5
12	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
13	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
14	Monitoring Onion Crop "Cipolla Rossa di Tropea Calabria IGP" Growth and Yield Response to Varying Nitrogen Fertilizer Application Rates Using UAV Imagery. <i>Drones</i> , 2021, 5, 61.	2.7	16
15	Characterizing historical transformation trajectories of the forest landscape in Rome's metropolitan area (Italy) for effective planning of sustainability goals. <i>Land Degradation and Development</i> , 2021, 32, 4708-4726.	1.8	19
16	The implementation of the Principles for Responsible Management Education within tourism higher education institutions: A comparative analysis of European Union countries. <i>International Journal of Management Education</i> , 2021, 19, 100518.	2.2	5
17	Multi Temporal Analysis of Sentinel-2 Imagery for Mapping Forestry Vegetation Types: A Google Earth Engine Approach. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 1650-1659.	0.5	2
18	Comparative Analysis of Different Spatial Interpolation Methods Applied to Monthly Rainfall as Support for Landscape Management. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9566.	1.3	7

#	ARTICLE	IF	CITATIONS
19	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
20	A Comparison of UAV and Satellites Multispectral Imagery in Monitoring Onion Crop. An Application in the "Cipolla Rossa di Tropea" (Italy). Remote Sensing, 2020, 12, 3424.	1.8	48
21	Monitoring the vegetation vigor in heterogeneous citrus and olive orchards. A multiscale object-based approach to extract trees' crowns from UAV multispectral imagery. Computers and Electronics in Agriculture, 2020, 175, 105500.	3.7	64
22	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
23	Monitoring Onion Crops Using UAV Multispectral and Thermal Imagery: Preliminary Results. Lecture Notes in Civil Engineering, 2020, , 873-880.	0.3	2
24	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
25	Applications of UAV Thermal Imagery in Precision Agriculture: State of the Art and Future Research Outlook. Remote Sensing, 2020, 12, 1491.	1.8	137
26	A Prototype of Service Oriented Architecture for Precision Agriculture. Lecture Notes in Civil Engineering, 2020, , 765-774.	0.3	3
27	A methodology based on GEOBIA and WorldView-3 imagery to derive vegetation indices at tree crown detail in olive orchards. International Journal of Applied Earth Observation and Geoinformation, 2019, 83, 101912.	1.4	38
28	Object-Based Land Cover Classification of Cork Oak Woodlands using UAV Imagery and Orfeo ToolBox. Remote Sensing, 2019, 11, 1238.	1.8	88
29	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
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	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
32	Application of several spatial interpolation techniques to monthly rainfall data in the Calabria region (southern Italy). International Journal of Climatology, 2018, 38, 3651-3666.	1.5	68
33	Events and Tourism Development within a Local Community: The Case of Winchester (UK). Sustainability, 2018, 10, 3728.	1.6	24
34	Historic Rural Landscapes: Sustainable Planning Strategies and Action Criteria. The Italian Experience in the Global and European Context. Sustainability, 2018, 10, 3834.	1.6	65
35	Abandonment of traditional terraced landscape: A change detection approach (a case study in Costa Tj ETQq1 1 0,784314 rrgBT /Ov	1.8	46
36	Interoperable Sharing and Visualization of Geological Data and Instruments: A Proof of Concept. Lecture Notes in Computer Science, 2017, , 584-599.	1.0	10

#	ARTICLE	IF	CITATIONS
37	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
38	Land Suitability Evaluation for Agro-forestry: Definition of a Web-Based Multi-Criteria Spatial Decision Support System (MC-SDSS): Preliminary Results. <i>Lecture Notes in Computer Science</i> , 2016, , 399-413.	1.0	27
39	Urban-rural ecological networks for landscape planning. <i>Land Use Policy</i> , 2016, 50, 312-327.	2.5	114
40	Application, validation and comparison in different geographical contexts of an integrated model for the design of ecological networks. <i>Journal of Agricultural Engineering</i> , 2015, 46, 52.	0.7	24
41	An index for the assessment of degraded Mediterranean forest ecosystems. <i>Forest Systems</i> , 2015, 24, e037.	0.1	27
42	A fuzzy-based model to implement the global safety buildings index assessment for agri-food buildings. <i>Journal of Agricultural Engineering</i> , 2014, 45, 24.	0.7	9
43	A GIS-MCDA Based Model for the Suitability Evaluation of Traditional Grape Varieties. <i>International Journal of Agricultural and Environmental Information Systems</i> , 2014, 5, 1-16.	1.8	23
44	Geomatics in Analysing the Evolution of Agricultural Terraced Landscapes. <i>Lecture Notes in Computer Science</i> , 2014, , 479-494.	1.0	11
45	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
46	Application, validation and comparison in different geographical contexts of an integrated model for the design of ecological networks. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	0.7	1
47	Safety performance assessment of food industry facilities using a fuzzy approach. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	0.7	3
48	The e-Participation in Tranquillity Areas Identification as a Key Factor for Sustainable Landscape Planning. <i>Lecture Notes in Computer Science</i> , 2013, , 550-565.	1.0	12
49	Free Web Mapping Tools to Characterise Landscape Dynamics and to Favour e-Participation. <i>Lecture Notes in Computer Science</i> , 2013, , 566-581.	1.0	19
50	Integration of Satellite Remote Sensing Techniques and Landscape Metrics to Characterize Land Cover Change and Dynamics. <i>Advances in Geospatial Technologies Book Series</i> , 2013, , 228-244.	0.1	0
51	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
52	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
53	GIS and Remote Sensing to Study Urban-Rural Transformation During a Fifty-Year Period. <i>Lecture Notes in Computer Science</i> , 2011, , 237-252.	1.0	19
54	Evolution Trends of Land Use/Land Cover in a Mediterranean Forest Landscape in Italy. <i>Lecture Notes in Computer Science</i> , 2011, , 284-299.	1.0	23

#	ARTICLE	IF	CITATIONS
55	Improving building energy modelling by applying advanced 3D surveying techniques on agri-food facilities. <i>Journal of Agricultural Engineering</i> , 0, 48, .	0.7	12