Rosa Lasaponara

List of Publications by Year
in descending order

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199 papers	4,363 citations	94433 37 h-index	168389 53 g-index
216 all docs	216 docs citations	216 times ranked	2835 citing authors

#	Article	IF	Citations
1	Detection of archaeological crop marks by using satellite QuickBird multispectral imagery. Journal of Archaeological Science, 2007, 34, 214-221.	2.4	183
2	Airborne and spaceborne remote sensing for archaeological and cultural heritage applications: A review of the century (1907â€“2017). Remote Sensing of Environment, 2019, 232, 111280.	11.0	169
3	Satellite remote sensing in archaeology: past, present and future perspectives. Journal of Archaeological Science, 2011, 38, 1995-2002.	2.4	109
4	An overview of satellite synthetic aperture radar remote sensing in archaeology: From site detection to monitoring. Journal of Cultural Heritage, 2017, 23, 5-11.	3.3	102
5	On the use of principal component analysis (PCA) for evaluating interannual vegetation anomalies from SPOT/VEGETATION NDVI temporal series. Ecological Modelling, 2006, 194, 429-434.	2.5	89
6	Persistent Scatterer Interferometry Processing of COSMO-SkyMed StripMap HIMAGE Time Series to Depict Deformation of the Historic Centre of Rome, Italy. Remote Sensing, 2014, 6, 12593-12618.	4.0	85
7	Application of learning vector quantization and different machine learning techniques to assessing forest fire influence factors and spatial modelling. Environmental Research, 2020, 184, 109321.	7.5	72
8	Identification of archaeological buried remains based on the normalized difference vegetation index (NDVI) from Quickbird satellite data. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 325-328.	3.1	71
9	Evaluation of a new satellite-based method for forest fire detection. International Journal of Remote Sensing, 2001, 22, 1799-1826.	2.9	68
10	Multiscale mapping of burn area and severity using multisensor satellite data and spatial autocorrelation analysis. International Journal of Applied Earth Observation and Geoinformation, 2013, 20, 42-51.	2.8	68
11	Towards an operative use of remote sensing for exploring the past using satellite data: The case study of Hierapolis (Turkey). Remote Sensing of Environment, 2016, 174, 148-164.	11.0	68
12	Investigating archaeological looting using satellite images and GEORADAR: the experience in Lambayeque in North Peru. Journal of Archaeological Science, 2014, 42, 216-230.	2.4	66
13	Satellite Synthetic Aperture Radar in Archaeology and Cultural Landscape: An Overview. Archaeological Prospection, 2013, 20, 71-78.	2.2	63
14	Google Earth as a Powerful Tool for Archaeological and Cultural Heritage Applications: A Review. Remote Sensing, 2018, 10, 1558.	4.0	60
15	Estimating spectral separability of satellite derived parameters for burned areas mapping in the Calabria region by using SPOT-Vegetation data. Ecological Modelling, 2006, 196, 265-270.	2.5	59
16	Time-scaling properties in forest-fire sequences observed in Gargano area (southern Italy). Ecological Modelling, 2005, 185, 531-544.	2.5	55
17	Management of Cultural Heritage Sites Using Remote Sensing Indices and Spatial Analysis Techniques. Surveys in Geophysics, 2018, 39, 1347-1377.	4.6	51
18	Flights into the past: full-waveform airborne laser scanning data for archaeological investigation. Journal of Archaeological Science, 2011, 38, 2061-2070.	2.4	49

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19	A Space View of Radar Archaeological Marks: First Applications of COSMO-SkyMed X-Band Data. Remote Sensing, 2015, 7, 24-50.	4.0	48
20	Study of the Variations of Archaeological Marks at Neolithic Site of Lucera, Italy Using High-Resolution Multispectral Datasets. Remote Sensing, 2016, 8, 723.	4.0	48
21	Investigating the spectral capability of QuickBird data to detect archaeological remains buried under vegetated and not vegetated areas. Journal of Cultural Heritage, 2007, 8, 53-60.	3.3	47
22	A multiscale approach for reconstructing archaeological landscapes: Applications in Northern Apulia (Italy). Archaeological Prospection, 2009, 16, 143-153.	2.2	46
23	A self-adaptive algorithm based on AVHRR multitemporal data analysis for small active fire detection. International Journal of Remote Sensing, 2003, 24, 1723-1749.	2.9	44
24	Towards an Operational Use of Geophysics for Archaeology in Henan (China): Methodological Approach and Results in Kaifeng. Remote Sensing, 2017, 9, 809.	4.0	44
25	Medieval Archaeology Under the Canopy with LiDAR. The (Re)Discovery of a Medieval Fortified Settlement in Southern Italy. Remote Sensing, 2018, 10, 1598.	4.0	44
26	Quantifying intra-annual persistent behaviour in SPOT-VEGETATION NDVI data for Mediterranean ecosystems of southern Italy. Remote Sensing of Environment, 2006, 101, 95-103.	11.0	43
27	Remotely sensed characterization of forest fuel types by using satellite ASTER data. International Journal of Applied Earth Observation and Geoinformation, 2007, 9, 225-234.	2.8	43
28	Scan statistics analysis of forest fire clusters. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1689-1694.	3.3	41
29	Scaling and correlations in the dynamics of forest-fire occurrence. Physical Review E, 2008, 77, 016101.	2.1	41
30	Prospection and Monitoring of the Archaeological Heritage of Nasca, Peru, with ENVISAT ASAR. Archaeological Prospection, 2013, 20, 133-147.	2.2	41
31	Amplitude Change Detection with ENVISAT ASAR to Image the Cultural Landscape of the Nasca Region, Peru. Archaeological Prospection, 2013, 20, 117-131.	2.2	41
32	Fisherâ€“Shannon information plane analysis of SPOT/VEGETATION Normalized Difference Vegetation Index (NDVI) time series to characterize vegetation recovery after fire disturbance. International Journal of Applied Earth Observation and Geoinformation, 2014, 26, 441-446.	2.8	41
33	Modeling Land Suitability for Rice Crop Using Remote Sensing and Soil Quality Indicators: The Case Study of the Nile Delta. Sustainability, 2020, 12, 9653.	3.2	41
34	On the LiDAR contribution for the archaeological and geomorphological study of a deserted medieval village in Southern Italy. Journal of Geophysics and Engineering, 2010, 7, 155-163.	1.4	40
35	Spatial Open Data for Monitoring Risks and Preserving Archaeological Areas and Landscape: Case Studies at Kom el Shoqafa, Egypt and Shush, Iran. Sustainability, 2017, 9, 572.	3.2	40
36	Multiresolution spatial characterization of land degradation phenomena in southern Italy from 1985 to 1999 using NOAA-AVHRR NDVI data. Geophysical Research Letters, 2003, 30, .	4.0	39

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37	New discoveries in the Piramide Naranjada in Cahuachi (Peru) using satellite, Ground Probing Radar and magnetic investigations. Journal of Archaeological Science, 2011, 38, 2031-2039.	2.4	39
38	Quantitative Evaluation of Soil Quality Using Principal Component Analysis: The Case Study of El-Fayoum Depression Egypt. Sustainability, 2021, 13, 1824.	3.2	39
39	Pre- and post-fire behavioral trends revealed in satellite NDVI time series. Geophysical Research Letters, 2006, 33, .	4.0	37
40	Monitoring the Environmental Risks Around Medinet Habu and Ramesseum Temple at West Luxor, Egypt, Using Remote Sensing and GIS Techniques. Journal of Archaeological Method and Theory, 2018, 25, 587-610.	3.0	37
41	Full-waveform Airborne Laser Scanning for the detection of medieval archaeological microtopographic relief. Journal of Cultural Heritage, 2009, 10, e78-e82.	3.3	36
42	On the potential of QuickBird data for archaeological prospection. International Journal of Remote Sensing, 2006, 27, 3607-3614.	2.9	35
43	On the capability of satellite VHR QuickBird data for fuel type characterization in fragmented landscape. Ecological Modelling, 2007, 204, 79-84.	2.5	35
44	Evaluation of urban sprawl from space using open source technologies. Ecological Informatics, 2015, 26, 151-161.	5.2	35
45	Remote sensing and GIS techniques for reconstructing the military fort system on the Roman boundary (Tunisian section) and identifying archaeological sites. Remote Sensing of Environment, 2020, 236, 111418.	11.0	35
46	Vis-NIR Spectroscopy and Satellite Landsat-8 OLI Data to Map Soil Nutrients in Arid Conditions: A Case Study of the Northwest Coast of Egypt. Remote Sensing, 2020, 12, 3716.	4.0	35
47	Detection of interannual variation of vegetation in middle and southern Italy during 1985-1999 with 1 km NOAA AVHRR NDVI data. Journal of Geophysical Research, 2001, 106, 17863-17876.	3.3	34
48	Multi-frequency satellite radar imaging of cultural heritage: the case studies of the Yumen Frontier Pass and Niya ruins in the Western Regions of the Silk Road Corridor. International Journal of Digital Earth, 2016, 9, 1224-1241.	3.9	34
49	Identification of Burned Areas and Severity Using SAR Sentinel-1. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 917-921.	3.1	34
50	Quantifying Urban Sprawl with Spatial Autocorrelation Techniques using Multi-Temporal Satellite Data. International Journal of Agricultural and Environmental Information Systems, 2014, 5, 19-37.	2.0	33
51	Predictive modeling for preventive Archaeology: overview and case study. Open Geosciences, 2014, 6, .	1.7	33
52	Multitemporal 2016-2018 Sentinel-2 Data Enhancement for Landscape Archaeology: The Case Study of the Foggia Province, Southern Italy. Remote Sensing, 2020, 12, 1309.	4.0	32
53	Interâ€comparison of AVHRRâ€based fire susceptibility indicators for the Mediterranean ecosystems of southern Italy. International Journal of Remote Sensing, 2005, 26, 853-870.	2.9	31
54	Space-Based Identification of Archaeological Illegal Excavations and a New Automatic Method for Looting Feature Extraction in Desert Areas. Surveys in Geophysics, 2018, 39, 1323-1346.	4.6	31

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55	Cultural Heritage Management Using Remote Sensing Data and GIS Techniques around the Archaeological Area of Ancient Jeddah in Jeddah City, Saudi Arabia. Sustainability, 2020, 12, 240.	3.2	31
56	QuickBird-based analysis for the spatial characterization of archaeological sites: Case study of the Monte Serico medieval village. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	29
57	Discriminating dynamical patterns in burned and unburned vegetational covers by using SPOT-VGT NDVI data. Geophysical Research Letters, 2005, 32, .	4.0	28
58	Satellite-based recognition of landscape archaeological features related to ancient human transformation. Journal of Geophysics and Engineering, 2006, 3, 230-235.	1.4	28
59	Evaluating the Effects of Human Activity over the Last Decades on the Soil Organic Carbon Pool Using Satellite Imagery and GIS Techniques in the Nile Delta Area, Egypt. Sustainability, 2019, 11, 2644.	3.2	28
60	Addressing the challenge of detecting archaeological adobe structures in Southern Peru using QuickBird imagery. Journal of Cultural Heritage, 2009, 10, e3-e9.	3.3	27
61	Beyond modern landscape features: New insights in the archaeological area of Tiwanaku in Bolivia from satellite data. International Journal of Applied Earth Observation and Geoinformation, 2014, 26, 464-471.	2.8	27
62	Time-clustering analysis of forest-fire sequences in southern Italy. Chaos, Solitons and Fractals, 2005, 24, 139-149.	5.1	26
63	ALOS PALSAR Analysis of the Archaeological Site of Pelusium. Archaeological Prospection, 2013, 20, 109-116.	2.2	26
64	On the Use of Satellite Sentinel 2 Data for Automatic Mapping of Burnt Areas and Burn Severity. Sustainability, 2018, 10, 3889.	3.2	26
65	The Prediction and Assessment of the Impacts of Soil Sealing on Agricultural Land in the North Nile Delta (Egypt) Using Satellite Data and GIS Modeling. Sustainability, 2019, 11, 4662.	3.2	26
66	Multispectral Contrast of Archaeological Features: A Quantitative Evaluation. Remote Sensing, 2019, 11, 913.	4.0	26
67	SAR Sentinel 1 Imaging and Detection of Palaeo-Landscape Features in the Mediterranean Area. Remote Sensing, 2020, 12, 2611.	4.0	25
68	Google Earth Engine as Multi-Sensor Open-Source Tool for Supporting the Preservation of Archaeological Areas: The Case Study of Flood and Fire Mapping in Metaponto, Italy. Sensors, 2021, 21, 1791.	3.8	25
69	Vegetational patterns in burned and unburned areas investigated by using the detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2006, 368, 531-535.	2.6	24
70	Integration of aerial and satellite remote sensing for archaeological investigations: a case study of the Etruscan site of San Giovenale. Journal of Geophysics and Engineering, 2012, 9, S26-S39.	1.4	24
71	Multi-frequency, polarimetric SAR analysis for archaeological prospection. International Journal of Applied Earth Observation and Geoinformation, 2014, 28, 211-219.	2.8	24
72	Geo-Environmental Estimation of Land Use Changes and Its Effects on Egyptian Temples at Luxor City. ISPRS International Journal of Geo-Information, 2017, 6, 378.	2.9	23

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73	Multiple Flights or Single Flight Instrument Fusion of Hyperspectral and ALS Data? A Comparison of their Performance for Vegetation Mapping. Remote Sensing, 2019, 11, 970.	4.0	22
74	Archeological crop marks identified from Cosmo-SkyMed time series: the case of Han-Wei capital city, Luoyang, China. International Journal of Digital Earth, 2017, 10, 846-860.	3.9	21
75	Archaeogeophysical-Based Approach for Inca Archaeology: Overview and one operational application. Surveys in Geophysics, 2018, 39, 1239-1262.	4.6	21
76	Preventive Archaeology Based on Open Remote Sensing Data and Tools: The Cases of Santâ€™Arsenio (SA) and Foggia (FG), Italy. Sustainability, 2019, 11, 4145.	3.2	21
77	On the Use of Satellite Imagery and GIS Tools to Detect and Characterize the Urbanization around Heritage Sites: The Case Studies of the Catacombs of Mustafa Kamel in Alexandria, Egypt and the Aragonese Castle in Baia, Italy. Sustainability, 2019, 11, 2110.	3.2	21
78	On the LiDAR contribution for landscape archaeology and palaeoenvironmental studies: the case study of Bosco dell'Incoronata (Southern Italy). Advances in Geosciences, 0, 24, 125-132.	12.0	21
79	Sensing the Past from Space: Approaches to Site Detection. Geotechnologies and the Environment, 2017, , 23-60.	0.3	20
80	On the characterization of temporal and spatial patterns of archaeological crop-marks. Journal of Cultural Heritage, 2018, 32, 124-132.	3.3	20
81	Natural Hazards, Human Factors, and â€œGhost Townsâ€• a Multi-Level Approach. Geoheritage, 2019, 11, 1533-1565.	2.8	20
82	Image Enhancement, Feature Extraction and Geospatial Analysis in an Archaeological Perspective. Remote Sensing and Digital Image Processing, 2012, , 17-63.	0.7	20
83	Satellite-Based Monitoring of Archaeological Looting in Peru. Remote Sensing and Digital Image Processing, 2012, , 177-193.	0.7	20
84	Multiscale fuel type mapping in fragmented ecosystems: preliminary results from hyperspectral MIVIS and multispectral Landsat TM data. International Journal of Remote Sensing, 2006, 27, 587-593.	2.9	19
85	Intra-annual dynamical persistent mechanisms in mediterranean ecosystems revealed SPOT-VEGETATION time series. Ecological Complexity, 2008, 5, 151-156.	2.9	19
86	Uncovering the ancient canal-based tuntian agricultural landscape at China's northwestern frontiers. Journal of Cultural Heritage, 2017, 23, 79-88.	3.3	19
87	Integrated remote sensing techniques for the detection of buried archaeological adobe structures: preliminary results in Cahuachi (Peru). Advances in Geosciences, 0, 19, 75-82.	12.0	19
88	Dynamic Fire Danger Mapping from Satellite Imagery and Meteorological Forecast Data. Earth Interactions, 2007, 11, 1-17.	1.5	18
89	Archaeoâ€geophysical methods in the Templo del Escalonado, Cahuachi, Nasca (Peru). Near Surface Geophysics, 2010, 8, 433-439.	1.2	18
90	Corona Satellite Pictures for Archaeological Studies: A Review and Application to the Lost Forbidden City of the Hanâ€“Wei Dynasties. Surveys in Geophysics, 2018, 39, 1303-1322.	4.6	18

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91	Discovering Potential Settlement Areas around Archaeological Tells Using the Integration between Historic Topographic Maps, Optical, and Radar Data in the Northern Nile Delta, Egypt. Remote Sensing, 2019, 11, 3039.	4.0	18
92	Analysis of time-scaling properties in forest-fire sequence observed in Italy. Ecological Modelling, 2010, 221, 90-93.	2.5	17
93	From remote sensing to a serious game: Digital reconstruction of an abandoned medieval village in Southern Italy. Journal of Cultural Heritage, 2017, 23, 63-70.	3.3	17
94	Unique performance of spaceborne SAR remote sensing in cultural heritage applications: Overviews and perspectives. Archaeological Prospection, 2018, 25, 71-79.	2.2	17
95	On the relevance of accurate correction and validation procedures in the analysis of AVHRR-NDVI time series for long-term monitoring. Journal of Geophysical Research, 2004, 109, .	3.3	16
96	Characterization and Mapping of Fuel Types for the Mediterranean Ecosystems of Pollino National Park in Southern Italy by Using Hyperspectral MIVIS Data. Earth Interactions, 2006, 10, 1-11.	1.5	15
97	On the use of historical archive of aerial photographs for the discovery and interpretation of ancient hidden linear cultural relics in the alluvial plain of eastern Henan, China. Journal of Cultural Heritage, 2017, 23, 20-27.	3.3	15
98	Estimating Interannual Variations in Vegetated Areas of Sardinia Island Using SPOT/VEGETATION NDVI Temporal Series. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 481-483.	3.1	14
99	Spaceâ€“time fractal properties of the forest-fire series in central Italy. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 1326-1333.	3.3	14
100	Multi-frequency Electromagnetic Induction Survey for Archaeological Prospection: Approach and Results in Han Hangu Pass and Xishan Yang in China. Surveys in Geophysics, 2018, 39, 1285-1302.	4.6	14
101	Qualitative evaluation of COSMO SkyMed in the detection of earthen archaeological remains: The case of Pachamacac (Peru). Journal of Cultural Heritage, 2017, 23, 55-62.	3.3	13
102	Auto-Extraction of Linear Archaeological Traces of Tuntian Irrigation Canals in Miran Site (China) from Gaofen-1 Satellite Imagery. Remote Sensing, 2018, 10, 718.	4.0	13
103	On the Mapping of Burned Areas and Burn Severity Using Self Organizing Map and Sentinel-2 Data. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 854-858.	3.1	13
104	Multitemporalâ€“Multispectral UAS Surveys for Archaeological Research: The Case Study of San Vincenzo Al Volturno (Molise, Italy). Remote Sensing, 2021, 13, 2719.	4.0	13
105	Remote Sensing in Archaeology: From Visual Data Interpretation to Digital Data Manipulation. Remote Sensing and Digital Image Processing, 2012, , 3-16.	0.7	13
106	Following the Ancient Nasca Puquios from Space. Remote Sensing and Digital Image Processing, 2012, , 269-289.	0.7	13
107	Emergence of temporal regimes in fire sequences. Physica A: Statistical Mechanics and Its Applications, 2006, 360, 543-547.	2.6	12
108	fluctuations in the time dynamics of Mediterranean forest ecosystems by using normalized difference vegetation index satellite data. Physica A: Statistical Mechanics and Its Applications, 2006, 361, 699-706.	2.6	12

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109	Cultural Heritage Management Using Analysis of Satellite Images and Advanced GIS Techniques at East Luxor, Egypt and Kangavar, Iran (A Comparison Case Study). Lecture Notes in Computer Science, 2017, , 152-168.	1.3	12
110	Low Cost Space Technologies for Operational Change Detection Monitoring Around the Archaeological Area of Esna-Egypt. Lecture Notes in Computer Science, 2016, , 611-621.	1.3	11
111	Fisherâ€“Shannon and detrended fluctuation analysis of MODIS normalized difference vegetation index (NDVI) time series of fire-affected and fire-unaffected pixels. Geomatics, Natural Hazards and Risk, 2017, 8, 1342-1357.	4.3	11
112	Reconstructing settlement evolution from neolithic to Shang dynasty in Songshan mountain area of central China based on self-organizing feature map. Journal of Cultural Heritage, 2019, 36, 23-31.	3.3	11
113	On the Relationship between Holocene Geomorphic Evolution of Rivers and Prehistoric Settlements Distribution in the Songshan Mountain Region of China. Sustainability, 2017, 9, 114.	3.2	10
114	On the Use of Google Earth Engine and Sentinel Data to Detect â€œLostâ€•Sections of Ancient Roads. The Case of Via Appia. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	10
115	Integrated Remote Sensing Approach in Cahuachi (Peru): Studies and Results of the ITACA Mission (2007â€“2010). Remote Sensing and Digital Image Processing, 2012, , 307-344.	0.7	10
116	Satellite time-series analysis. International Journal of Remote Sensing, 2012, 33, 4649-4652.	2.9	9
117	Using Spatial Autocorrelation Techniques and Multi-temporal Satellite Data for Analyzing Urban Sprawl. Lecture Notes in Computer Science, 2012, , 512-527.	1.3	9
118	Pattern Recognition Approach and LiDAR for the Analysis and Mapping of Archaeological Looting: Application to an Etruscan Site. Remote Sensing, 2022, 14, 1587.	4.0	9
119	Fireâ€induced variability in satellite SPOTâ€VGT NDVI vegetational data. International Journal of Remote Sensing, 2006, 27, 3087-3095.	2.9	8
120	Identifying spatial clustering phenomena in forest-fire sequences. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 596-600.	2.6	8
121	Facing the Archaeological Looting in Peru by Using Very High Resolution Satellite Imagery and Local Spatial Autocorrelation Statistics. Lecture Notes in Computer Science, 2010, , 254-261.	1.3	8
122	New perspectives for satellite-based archaeological research in the ancient territory of Hierapolis (Turkey). Advances in Geosciences, 0, 19, 87-96.	12.0	8
123	Detecting the environmental risk on the archaeological sites using satellite imagery in Basilicata Region, Italy. Egyptian Journal of Remote Sensing and Space Science, 2022, 25, 181-193.	2.0	8
124	Investigating dynamical trends in burned and unburned vegetation covers using SPOT-VGT NDVI data. Journal of Geophysics and Engineering, 2007, 4, 128-138.	1.4	7
125	Emergence of spatio-temporal patterns in forest-fire sequences. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3271-3280.	2.6	7
126	Combating Illegal ExcavationsIllegal Excavations in Cahuachi: Ancient Problems and Modern Technologies. , 2016, , 605-633.		7

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127	Pattern Recognition and Classification Using VHR Data for Archaeological Research. Remote Sensing and Digital Image Processing, 2012, , 65-85.	0.7	7
128	Pan-Sharpening Techniques to Enhance Archaeological Marks: An Overview. Remote Sensing and Digital Image Processing, 2012, , 87-109.	0.7	7
129	Airborne Lidar in Archaeology: Overview and a Case Study. Lecture Notes in Computer Science, 2013, , 663-676.	1.3	6
130	Towards Urban Archaeo-Geophysics in Peru. The Case Study of Plaza de Armas in Cusco. Sensors, 2020, 20, 2869.	3.8	6
131	Fuel type characterization based on coarse resolution MODIS satellite data. IForest, 2008, 1, 60-64.	1.4	6
132	Integrated use of multi-temporal multi-sensor and multiscale Remote Sensing data for the understanding of archaeological contexts: the case study of Metaponto, Basilicata.. Journal of Physics: Conference Series, 2022, 2204, 012020.	0.4	6
133	The role of imaging radar in cultural heritage: From technologies to applications. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102907.	1.9	6
134	Forest fire danger estimation based on the integration of satellite AVHRR data and topographic factors. , 1999, 3868, 241.		5
135	Identifying spatial clustering properties of the 1997â€“2003 Liguria (Northern Italy) forest-fire sequence. Chaos, Solitons and Fractals, 2007, 32, 1364-1370.	5.1	5
136	On the Use of Satellite Remote Sensing Data to Characterize and Map Fuel Types. Lecture Notes in Computer Science, 2011, , 344-353.	1.3	5
137	A Comparative Analysis of Temporal Changes in Urban Land Use Resorting to Advanced Remote Sensing and GIS in Karaj, Iran and Luxor, Egypt. Lecture Notes in Computer Science, 2019, , 689-703.	1.3	5
138	Recent and Past Archaeological Looting by Satellite Remote Sensing: Approach and Application in Syria. Springer Remote Sensing/photogrammetry, 2020, , 123-137.	0.4	5
139	Satellite and close range analysis for the surveillance and knowledge improvement of the Nasca geoglyphs. Remote Sensing of Environment, 2020, 236, 111447.	11.0	5
140	On the Reuse of Multiscale LiDAR Data to Investigate the Resilience in the Late Medieval Time: the Case Study of Basilicata in South of Italy. Journal of Archaeological Method and Theory, 2020, , 1.	3.0	5
141	Multi-Scale Monitoring of Rupestrian Heritage: Methodological Approach and Application to a Case Study. International Journal of Architectural Heritage, 2020, , 1-16.	3.1	5
142	Mapping the Roman Water Supply System of the Wadi el Melah Valley in Gafsa, Tunisia, Using Remote Sensing. Sustainability, 2020, 12, 567.	3.2	5
143	Remote and Close Range Sensing for the Automatic Identification and Characterization of Archaeological Looting. The Case of Peru. Journal of Computer Applications in Archaeology, 2021, 4, 126-144.	1.5	5
144	On the Use of the Principal Component Analysis (PCA) for Evaluating Vegetation Anomalies from LANDSAT-TM NDVI Temporal Series in the Basilicata Region (Italy). Lecture Notes in Computer Science, 2015, , 204-216.	1.3	5

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145	On the Use of Radar and Optical Satellite Imagery for the Monitoring of Flood Hazards on Heritage Sites in Southern Sinai, Egypt. Sustainability, 2022, 14, 5500.	3.2	5
146	Fire detection by AVHRR: toward a new approach for operational monitoring. , 1998, , .		4
147	<title>Pollino Project Action D: a multiscale approach in the space-time domain to environmental risk monitoring</title>. , 2002, , .		4
148	Investigating fire-induced behavioural trends in vegetation covers. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 2018-2023.	3.3	4
149	Living in the Golden Age of Digital Archaeology. Lecture Notes in Computer Science, 2016, , 597-610.	1.3	4
150	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.	1.3	4
151	Digital Heritage. , 2020, , 565-591.		4
152	Puquios: New Insights from the Integration of Remote Sensing, GIS-Based Analyses and Geophysical Investigations. , 2016, , 543-580.		4
153	Mapping forest fuel types by using satellite ASTER data and neural nets. Proceedings of SPIE, 2007, , .	0.8	3
154	Preserving the Past from Space: An Overview of Risk Estimation and Monitoring Tools. Geotechnologies and the Environment, 2017, , 61-88.	0.3	3
155	The Extent of Infrastructure Causing Fragmentation in the Hydrocarbon Basin in the Arid and Semi-Arid Zones of Patagonia (Argentina). Sustainability, 2019, 11, 5956.	3.2	3
156	Puquios: The Nasca Response to Water Shortage. , 2016, , 279-327.		3
157	Remote Sensing and Geophysics for the Study of the Human Past in the Nasca Drainage. , 2016, , 469-527.		3
158	Urban Pattern Morphology Time Variation in Southern Italy by Using Landsat Imagery. Studies in Computational Intelligence, 2009, , 209-222.	0.9	3
159	Satellite-based enhancement of archaeological marks through data fusion techniques. Proceedings of SPIE, 2008, , .	0.8	2
160	Fire Risk Estimation at Different Scales of Observations: An Overview of Satellite Based Methods. Lecture Notes in Computer Science, 2018, , 375-388.	1.3	2
161	Old Methods and New Technologies: A Multidisciplinary Approach to Archaeological Research in Santâ€™Arsenio (Salerno, Italy). Lecture Notes in Computer Science, 2019, , 313-326.	1.3	2
162	On the Processing of Aerial LiDAR Data for Supporting Enhancement, Interpretation and Mapping of Archaeological Features. Lecture Notes in Computer Science, 2011, , 392-406.	1.3	2

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163	Satellite Time Series and in Situ Data Analysis for Assessing Landslide Susceptibility after Forest Fire: Preliminary Results Focusing the Case Study of Pisticci (Matera, Italy). Lecture Notes in Computer Science, 2013, , 652-662.	1.3	2
164	An Integrated Methodology for Medieval Landscape Reconstruction: The Case Study of Monte Serico. Lecture Notes in Computer Science, 2009, , 328-340.	1.3	2
165	On the Estimation of Fire Severity Using Satellite ASTER Data and Spatial Autocorrelation Statistics. Lecture Notes in Computer Science, 2010, , 361-373.	1.3	2
166	Investigating Natural Hazards in the Peruvian Region of Nasca with Space-Borne Radar Sensors. , 2014, , 357-362.		2
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