

Simona Raneri

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the Impact of Organic Addition and Aggregate Gradation on Air Lime Mortar: New Compatible Green Material for Heritage Application. <i>International Journal of Architectural Heritage</i> , 2022, 16, 681-691.	1.7	5
2	Material Characterisation for Preserving Cultural Heritage: Evidence of the 1595 Fire at Pisa Cathedral. <i>Studies in Conservation</i> , 2022, 67, 400-412.	0.6	2
3	Ceramic technology and paintings of archaic architectural slabs, <i>louteria</i> and antefixes from the Palatine Hill in Rome (Italy). <i>Archaeometry</i> , 2022, 64, 118-133.	0.6	1
4	Comparison of Convolutional and Conventional Artificial Neural Networks for Laser-Induced Breakdown Spectroscopy Quantitative Analysis. <i>Applied Spectroscopy</i> , 2022, 76, 959-966.	1.2	7
5	Digital image analysis on cathodoluminescence microscopy images for ancient ceramic classification: methods, applications, and perspectives. <i>European Physical Journal Plus</i> , 2022, 137, .	1.2	1
6	Increasing resolution in chemical mapping of geomaterials: From X-ray fluorescence to laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 194, 106482.	1.5	6
7	Raman spectroscopy as a tool for provenancing black limestones (bigi morati) used in antiquity. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 241-250.	1.2	4
8	Micro-Raman spectroscopy to investigate production techniques: A focus on fine ware potteries. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 199-207.	1.2	1
9	Determination of Spectroscopic Parameters of Ag(I) and Ag(II) Emission Lines Using Time-Independent Extended C-Sigma Method. <i>Applied Spectroscopy</i> , 2021, 75, 654-660.	1.2	4
10	Synchrotron X-ray Microprobes: An Application on Ancient Ceramics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8052.	1.3	3
11	A calibrated database of Raman spectra for natural silicate glasses: implications for modelling melt physical properties. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1822-1838.	1.2	16
12	The archaeological site of St. Maria Veterana (Triggiano, Southern Italy): Archaeometric study of the wall paintings for the historical reconstruction. <i>Journal of Archaeological Science: Reports</i> , 2020, 29, 102080.	0.2	9
13	Response of Organic Lime Mortars to Thermal and Electrical Shocks Due to Lightning Strikes. <i>Sustainability</i> , 2020, 12, 7181.	1.6	7
14	Laser-Induced Breakdown Spectroscopy for Determination of Spectral Fundamental Parameters. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4973.	1.3	21
15	Improvement of the performances of a commercial hand-held laser-induced breakdown spectroscopy instrument for steel analysis using multiple artificial neural networks. <i>Review of Scientific Instruments</i> , 2020, 91, 073111.	0.6	13
16	Graph clustering and portable X-Ray Fluorescence: An application for in situ, fast and preliminary classification of transport amphoras. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 172, 105966.	1.5	8
17	Interaction of a viscous biopolymer from cactus extract with cement paste to produce sustainable concrete. <i>Construction and Building Materials</i> , 2020, 257, 119585.	3.2	30
18	About the use of inverse calibration in laser-induced breakdown spectroscopy quantitative analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 170, 105917.	1.5	5

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19	Synchrotron μ -XRF imaging and μ -XANES of black-glazed wares at the PUMA beamline: Insights on technological markers for colonial productions. <i>Microchemical Journal</i> , 2020, 154, 104629.	2.3	8
20	Determination of the Stark broadening coefficients of tantalum emission lines by time-independent Extended C-sigma method. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 167, 105829.	1.5	9
21	Indian Ocean trade connections: characterization and commercial routes of torpedo jars. <i>Heritage Science</i> , 2020, 8, .	1.0	8
22	Pottery production and trades in Tamil Nadu region: new insights from Alagankulam and Keeladi excavation sites. <i>Heritage Science</i> , 2020, 8, .	1.0	3
23	Inspecting adhesion and cohesion of protectives and consolidants in sandstones of architectural heritage by X-ray microscopy methods. <i>Materials Characterization</i> , 2019, 156, 109853.	1.9	8
24	Color and painting techniques in Etruscan architectural slabs. <i>Dyes and Pigments</i> , 2019, 171, 107766.	2.0	10
25	Social and technological changes in the ceramic production of the Northern Levant during the LBA/IA transition: New evidence about the Sea People issue through archaeometry. <i>Journal of Anthropological Archaeology</i> , 2019, 56, 101087.	0.7	3
26	Neutron Radiography Study of Laboratory Ageing and Treatment Applications with Stone Consolidants. <i>Nanomaterials</i> , 2019, 9, 635.	1.9	5
27	Chemical and mineralogical analyses on stones from Sagunto Castle (Spain). <i>Journal of Archaeological Science: Reports</i> , 2019, 24, 931-938.	0.2	5
28	Artificial neural network for the provenance study of archaeological ceramics using clay sediment database. <i>Journal of Cultural Heritage</i> , 2019, 38, 147-157.	1.5	25
29	Measuring Weathering and Nanoparticle Coating Impact on Surface Roughness of Natural Stones. <i>Studies in Conservation</i> , 2019, 64, 298-309.	0.6	2
30	Neighbourly ties: Characterizing local and Sicilian pottery in post-medieval Malta. <i>Journal of Archaeological Science: Reports</i> , 2018, 19, 575-587.	0.2	3
31	Fast quantitative elemental mapping of highly inhomogeneous materials by micro-Laser-Induced Breakdown Spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 146, 9-15.	1.5	36
32	Pigments characterization of polychrome vases production at Lipãira: New insights by noninvasive spectroscopic methods. <i>X-Ray Spectrometry</i> , 2018, 47, 46-57.	0.9	8
33	Electrokinetic Characterization of Natural Stones Coated with Nanocomposites for the Protection of Cultural Heritage. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1694.	1.3	8
34	Multi-scale laboratory routine in the efficacy assessment of conservative products for natural stones. <i>MethodsX</i> , 2018, 5, 1095-1101.	0.7	4
35	Archaeometric study of mortars from the Pisa's Cathedral Square (Italy). <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 126, 322-331.	2.5	24
36	Mineralogical, petrographic and physical-mechanical study of Roman construction materials from the Maritime Theatre of Hadrian's Villa (Rome, Italy). <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 127, 264-276.	2.5	23

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37	Laser-Induced Breakdown Spectroscopy analysis of the limestone Nuragic statues from Mont'e Prama site (Sardinia, Italy). <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 149, 62-70.	1.5	15
38	Efficiency assessment of hybrid coatings for natural building stones: Advanced and multi-scale laboratory investigation. <i>Construction and Building Materials</i> , 2018, 180, 412-424.	3.2	12
39	Exploring the Coroplastsâ€™™ â€˜Techne</i>â€™™ in Greek Architectural Terracottas from Sicily: an Archaeometric Approach. <i>Archaeometry</i> , 2018, 60, 986-1001.	0.6	4
40	Portable XRF: A Tool for the Study of Corundum Gems. <i>Open Archaeology</i> , 2017, 3, .	0.3	8
41	Visualization and quantification of weathering effects on capillary water uptake of natural building stones by using neutron imaging. , 2017, , 151-159.		0
42	Red gemstone characterization by microâ€™Raman spectroscopy: the case of rubies and their imitations. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1534-1539.	1.2	18
43	¹³ C Solid State Nuclear Magnetic Resonance and Âµ-Raman Spectroscopic Characterization of Sicilian Amber. <i>Applied Spectroscopy</i> , 2016, 70, 1346-1355.	1.2	6
44	Nondestructive Raman investigation on wall paintings at Sala Vaccarini in Catania (Sicily). <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	16
45	Visualization and quantification of weathering effects on capillary water uptake of natural building stones by using neutron imaging. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	6
46	Raman Investigation of Precious Jewelry Collections Preserved in Paolo Orsi Regional Museum (Siracusa, Sicily) Using Portable Equipment. <i>Applied Spectroscopy</i> , 2016, 70, 1420-1431.	1.2	18
47	Petro-archaeometric characterization of potteries from a kiln in Adrano, Sicily. <i>Heritage Science</i> , 2015, 3, .	1.0	3
48	Nondestructive investigation on the 17â€™-18th centuries Sicilian jewelry collection at the Messina regional museum using mobile Raman equipment. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 989-995.	1.2	33
49	Microtextural and microstructural influence on the changes of physical and mechanical proprieties related to salts crystallization weathering in natural building stones. The example of Sabucina stone (Sicily). <i>Construction and Building Materials</i> , 2015, 95, 355-365.	3.2	44
50	X-ray computed micro-tomography to study the porous structure and degradation processes of a building stone from Sabucina (Sicily). <i>European Journal of Mineralogy</i> , 2015, 27, 279-288.	0.4	11
51	Archeometric investigation on wall paintings from the most ancient Hellenistic hypogeum found in Sicily (C.da Apaforte-Licata (AG)). <i>Rendiconti Lincei</i> , 2015, 26, 475-483.	1.0	1
52	Nanocrystalline TiO2 coatings by solâ€™gel: photocatalytic activity on Pietra di Noto biocalcarenite. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 141-151.	1.1	28
53	A portableâ€™versus</i> microâ€™Raman equipment comparison for gemmological purposes: the case of sapphires and their imitations. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1309-1317.	1.2	27
54	A multi-technique approach for the determination of the porous structure of building stone. <i>European Journal of Mineralogy</i> , 2014, 26, 189-198.	0.4	23

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55	Neutron radiography for the characterization of porous structure in degraded building stones. <i>Journal of Instrumentation</i> , 2014, 9, C05024-C05024.	0.5	9
56	A multi-technique approach for the characterization of decorative stones and non-destructive method for the discrimination of similar rocks. <i>X-Ray Spectrometry</i> , 2014, 43, 83-92.	0.9	6
57	Characterization of emeralds by micro-Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1293-1300.	1.2	32