Michela Ricca

List of Publications by Year
in descending order

53	733	567281 15	610901 24
papers	citations	h-index	g-index

55	55	55	641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TiO2â€“SiO2â€“PDMS nanocomposite coating with self-cleaning effect for stone material: Finding the optimal amount of TiO2. Construction and Building Materials, 2018, 166, 464-471.	7.2	54
2	The Oceanus statue of the Fontana di Trevi (Rome): The analysis of black crust as a tool to investigate the urban air pollution and its impact on the stone degradation. Science of the Total Environment, 2017, 593-594, 297-309.	8.0	52
3	New insights on the consolidation of salt weathered limestone: the case study of Modica stone. Bulletin of Engineering Geology and the Environment, 2017, 76, 11-20.	3.5	41
4	Medium-term in situ experiment by using organic biocides and titanium dioxide for the mitigation of microbial colonization on stone surfaces. International Biodeterioration and Biodegradation, 2017, 123, 17-26.	3.9	38
5	Antifouling coatings for underwater archaeological stone materials. Progress in Organic Coatings, 2017, 104, 64-71.	3.9	37
6	Multi-technique investigation of Roman decorated plasters from Villa dei Quintili (Rome, Italy). Applied Surface Science, 2015, 349, 924-930.	6.1	36
7	Damage Indices and Photogrammetry for Decay Assessment of Stone-Built Cultural Heritage: The Case Study of the San Domenico Church Main Entrance Portal (South Calabria, Italy). Sustainability, 2020, 12, 5198.	3.2	30
8	The behaviour of consolidated Neapolitan yellow Tuff against salt weathering. Bulletin of Engineering Geology and the Environment, 2017, 76, 115-124.	3.5	26
9	Biodeterioration of marble in an underwater environment. Science of the Total Environment, 2017, 609, 109-122.	8.0	26
10	Diagnostic analysis of stone materials from underwater excavations: the case study of the Roman archaeological site of Baia (Naples, Italy). Applied Physics A: Materials Science and Processing, 2014, 114, 655-662.	2.3	24
11	The CoMAS Project: New Materials and Tools for Improving the In situ Documentation, Restoration, and Conservation of Underwater Archaeological Remains. Marine Technology Society Journal, 2016, 50, 108-118.	0.4	24
12	Multi-analytical approach applied to the provenance study of marbles used as covering slabs in the archaeological submerged site of Baia (Naples, Italy): The case of the â€œVilla con ingresso a protiroâ€• Applied Surface Science, 2015, 357, 1369-1379.	6.1	21
13	Archaeometric Characterisation of Decorated Pottery from the Archaeological Site of Villa dei Quintili (Rome, Italy): Preliminary Study. Geosciences (Switzerland), 2019, 9, 172.	2.2	17
14	Multi-Analytical Investigation of the Oil Painting â€œIl Venditore di Ceriniâ€•by Antonio Mancini and Definition of the Best Green Cleaning Treatment. Sustainability, 2022, 14, 3972.	3.2	16
15	Mosaic marble tesserae from the underwater archaeological site of Baia (Naples, Italy): determination of the provenance. European Journal of Mineralogy, 2014, 26, 323-331.	1.3	15
16	The CRATI Project: New Insights on the Consolidation of Salt Weathered Stone and the Case Study of San Domenico Church in Cosenza (South Calabria, Italy). Coatings, 2019, 9, 330.	2.6	15
17	Provenance study of building and statuary marbles from the Roman archaeological site of "Villa dei Quintili" (Rome, Italy). Italian Journal of Geosciences, 2016, 135, 236-249.	0.8	14
18	An Integrated Analytical Approach to Define the Compositional and Textural Features of Mortars Used in the Underwater Archaeological Site of Castrum Novum (Santa Marinella, Rome, Italy). Minerals (Basel, Switzerland), 2019, 9, 268.	2.0	13

#	Article	IF	Citations
19	The impact of atmospheric pollution on outdoor cultural heritage: an analytic methodology for the characterization of the carbonaceous fraction in black crusts present on stone surfaces. Environmental Research, 2021, 201, 111565.	7.5	13
20	Multidisciplinary Approach for Evaluating the Geochemical Degradation of Building Stone Related to Pollution Sources in the Historical Center of Naples (Italy). Applied Sciences (Switzerland), 2020, 10, 4241.	2.5	12
21	A combined SR-based Raman and InfraRed investigation of pigmenting matter used in wall paintings: The San Gennaro and San Gaudioso Catacombs (Naples, Italy) case. European Physical Journal Plus, 2018, 133, 1.	2.6	11
22	Multi-analytical study of Roman frescoes from Villa dei Quintili (Rome, Italy). Journal of Archaeological Science: Reports, 2018, 21, 422-432.	0.5	11
23	Digital Technologies for the Sustainable Development of the Accessible Underwater Cultural Heritage Sites. Journal of Marine Science and Engineering, 2020, 8, 955.	2.6	11
24	RBS, PIXE, Ion-Microbeam and SR-FTIR Analyses of Pottery Fragments from Azerbaijan. Heritage, 2019, 2, 1852-1873.	1.9	10
25	A Sustainable Approach for the Management and Valorization of Underwater Cultural Heritage: New Perspectives from the TECTONIC Project. Sustainability, 2020, 12, 5000.	3.2	10
26	Definition of analytical cleaning procedures for archaeological pottery from underwater environments: The case study of samples from Baia (Naples, South Italy). Materials and Design, 2021, 197, 109278.	7.0	10
27	The susceptibility to degradation of stone materials used in the built heritage of the Ortygia island (Syracuse, Italy): A laboratory study. International Journal of Rock Mechanics and Minings Sciences, 2021, 146, 104877.	5.8	10
28	In-Situ Comparative Study of Eucalyptus, Basil, Cloves, Thyme, Pine Tree, and Tea Tree Essential Oil Biocide Efficacy. Methods and Protocols, 2022, 5, 37.	2.0	10
29	The colors of the Fontana di Trevi: an analytical approach. International Journal of Architectural Heritage, 2018, 12, 114-124.	3.1	9
30	A methodological approach to define the state of conservation of the stone materials used in the Cairo historical heritage (Egypt). Archaeological and Anthropological Sciences, 2020, 12, 1.	1.8	9
31	Challenges for the Protection of Underwater Cultural Heritage (UCH), from Waterlogged and Weathered Stone Materials to Conservation Strategies: An Overview. Heritage, 2020, 3, 402-411.	1.9	9
32	Multidisciplinary Approach to Characterize Archaeological Materials and Status of Conservation of the Roman Thermae of Reggio Calabria Site (Calabria, South Italy). Applied Sciences (Switzerland), 2020, 10, 5106.	2.5	8
33	Pore Structure and Water Transfer in Pietra dâ€™Aspra Limestone: A Neutronographic Study. Applied Sciences (Switzerland), 2020, 10, 6745.	2.5	7
34	Evaluating the protecting effects of two consolidants applied on Pietra di Lecce limestone: A neutronographic study. Journal of Cultural Heritage, 2020, 46, 31-41.	3.3	7
35	A Combined Non-Destructive and Micro-Destructive Approach to Solving the Forensic Problems in the Field of Cultural Heritage: Two Case Studies. Applied Sciences (Switzerland), 2021, 11, 6951.	2.5	7
36	SANS investigation of the salt-crystallization- and surface-treatment-induced degradation on limestones of historicâ€“artistic interest. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	6

#	Article	IF	Citations
37	Decay Assessment of Stone-Built Cultural Heritage: The Case Study of the Cosenza Cathedral FaÃ§ade (South Calabria, Italy). Remote Sensing, 2021, 13, 3925.	4.0	6
38	A novel model to detect the content of inorganic nanoparticles in coatings used for stone protection. Progress in Organic Coatings, 2017, 106, 177-185.	3.9	5
39	An archaeometric approach of historical mortars taken from Foligno City (Umbria, Italy): news insight of Roman Empire in Italy. Archaeological and Anthropological Sciences, 2019, 11, 2649-2657.	1.8	5
40	Multitechnique diagnostic analysis and 3D surveying prior to the restoration of St. Michael defeating Evil painting by Mattia Preti. Environmental Science and Pollution Research, 2021, , 1.	5.3	5
41	New insights to assess the consolidation of stone materials used in built heritage: the case study of ancient graffiti (Tituli Picti) in the archaeological site of Pompeii. Heritage Science, 2020, 8, .	2.3	5
42	Deep Eutectic Solvents (DESs): Preliminary Results for Their Use Such as Biocides in the Building Cultural Heritage. Materials, 2022, 15, 4005.	2.9	5
43	Tituli Picti in the archaeological site of Pompeii: diagnostic analysis and conservation strategies. European Physical Journal Plus, 2018, 133, 1.	2.6	4
44	Diagnostic analysis of bricks from the underwater archaeological site of Baia (Naples, Italy): preliminary results. Rendiconti Online Societa Geologica Italiana, 0, 38, 85-88.	0.3	4
45	Preliminary Study of the Mural Paintings of Sotterra Church in Paola (Cosenza, Italy). Materials, 2022, 15, 3411.	2.9	4
46	The first archaeometric characterization of obsidian artifacts from the archaeological site of Samshvilde (South Georgia, Caucasus). Archaeological and Anthropological Sciences, 2019, 11, 6725-6736.	1.8	3
47	Diagnostic investigation for the study of the fresco â€œMadonna con il bambinoâ€• from Cosenza, southern Italy: a case study. Rendiconti Online Societa Geologica Italiana, 0, 38, 21-24.	0.3	3
48	Investigation of glazed pottery fragments (XIX century A. D.) from Agsu site (Azerbaijan) by XRF and Raman techniques. EPJ Web of Conferences, 2020, 230, 00012.	0.3	2
49	The Contribution of Microchemical Analyses and Diagnostic Imaging to the Conservation and Identification of the Degraded Surfaces of Hellenistic-Roman Wall Paintings from Solunto (Sicily). Studies in Conservation, 2021, 66, 342-356.	1.1	2
50	Archaeometric Study of Two Tanagra Type Statuettes of Unknown Provenance to Support Forensic Study. Heritage, 2022, 5, 849-859.	1.9	2
51	Antifouling Mortars for Underwater Restoration. Nanomaterials, 2022, 12, 1498.	4.1	2
52	Ceramics from Samshvilde (Georgia): A pilot archaeometric study. Journal of Archaeological Science: Reports, 2020, 34, 102581.	0.5	1
53	Multi-Technique Diagnostic Investigation in View of the Restoration of â€œThe Glory of St. Barbaraâ€• Painting by Mattia Preti. Applied Sciences (Switzerland), 2022, 12, 1385.	2.5	1