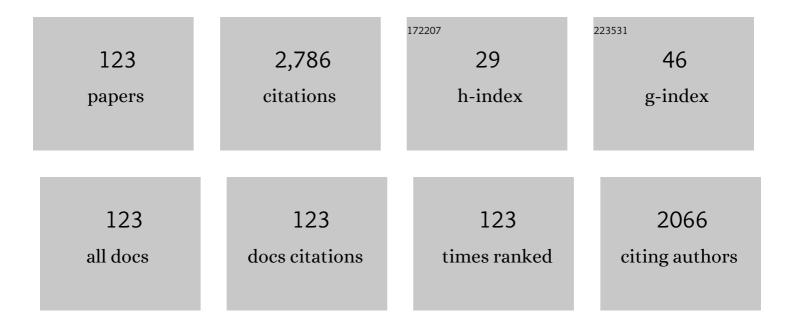
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Multifunctional TiO2 coatings for Cultural Heritage. Progress in Organic Coatings, 2012, 74, 186-191.	1.9	188
2	Characterisation of archaeological mortars from Pompeii (Campania, Italy) and identification of construction phases by compositional data analysis. Journal of Archaeological Science, 2010, 37, 2207-2223.	1.2	138
3	Nano-TiO2 coatings for cultural heritage protection: The role of the binder on hydrophobic and self-cleaning efficacy. Progress in Organic Coatings, 2016, 91, 1-8.	1.9	108
4	Testing the antibacterial activity of doped TiO2 for preventing biodeterioration of cultural heritage building materials. International Biodeterioration and Biodegradation, 2014, 96, 87-96.	1.9	86
5	ZnO and ZnTiO3 nanopowders for antimicrobial stone coating. Applied Physics A: Materials Science and Processing, 2010, 100, 829-834.	1.1	83
6	The stones in monumental masonry buildings of the "Val di Noto―area: New data on the relationships between petrographic characters and physical–mechanical properties. Construction and Building Materials, 2012, 33, 122-132.	3.2	68
7	An analysis of the black crusts from the Seville Cathedral: A challenge to deepen the understanding of the relationships among microstructure, microchemical features and pollution sources. Science of the Total Environment, 2015, 502, 157-166.	3.9	66
8	Application of spectrometric analysis to the identification of pollution sources causing cultural heritage damage. Environmental Science and Pollution Research, 2013, 20, 8848-8859.	2.7	61
9	Impact of air pollution in deterioration of carbonate building materials in Italian urban environments. Applied Geochemistry, 2014, 48, 122-131.	1.4	55
10	TiO2–SiO2–PDMS nanocomposite coating with self-cleaning effect for stone material: Finding the optimal amount of TiO2. Construction and Building Materials, 2018, 166, 464-471.	3.2	54
11	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.	3.9	52
12	Characterization of colorants and opacifiers in roman glass mosaic <i>tesserae</i> through spectroscopic and spectrometric techniques. Journal of Raman Spectroscopy, 2014, 45, 238-245.	1.2	50
13	Marine Antifouling for Underwater Archaeological Sites: TiO <sub><b>2</b></sub> and Ag-Doped TiO <sub><b>2</b></sub> . International Journal of Photoenergy, 2013, 2013, 1-6.	1.4	47
14	The Use of FTIR and Micro-FTIR Spectroscopy: An Example of Application to Cultural Heritage. International Journal of Spectroscopy, 2009, 2009, 1-5.	1.4	45
15	Efficacy of nanolime in restoration procedures of salt weathered limestone rock. Applied Physics A: Materials Science and Processing, 2014, 114, 753-758.	1.1	45
16	Damage monitoring on carbonate stones: Field exposure tests contributing to pollution impact evaluation in two Italian sites. Construction and Building Materials, 2017, 152, 907-922.	3.2	45
17	Geochemical study of black crusts as a diagnostic tool in cultural heritage. Applied Physics A: Materials Science and Processing, 2013, 113, 1151-1162.	1.1	43
18	Consolidating properties of Regalrez 1126 and Paraloid B72 applied to wood. Journal of Cultural Heritage, 2010, 11, 304-308.	1.5	42

#	Article	IF	CITATIONS
19	Application of protective products to "Noto―calcarenite (south-eastern Sicily): a case study for the conservation of stone materials. Environmental Earth Sciences, 2011, 62, 1263-1272.	1.3	42
20	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.	1.6	41
21	Nanostructured Coatings for Stone Protection: An Overview. Frontiers in Materials, 2019, 6, .	1.2	39
22	Study of archaeological underwater finds: deterioration andÂconservation. Applied Physics A: Materials Science and Processing, 2010, 100, 855-863.	1.1	38
23	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.	1.9	38
24	Antifouling coatings for underwater archaeological stone materials. Progress in Organic Coatings, 2017, 104, 64-71.	1.9	37
25	Advanced mortar coatings for cultural heritage protection. Durability towards prolonged UV and outdoor exposure. Environmental Science and Pollution Research, 2017, 24, 12608-12617.	2.7	37
26	Role of lichens in weathering of granodiorite in the Sila uplands (Calabria, southern Italy). Sedimentary Geology, 2012, 280, 119-134.	1.0	36
27	Multi-technique investigation of Roman decorated plasters from Villa dei Quintili (Rome, Italy). Applied Surface Science, 2015, 349, 924-930.	3.1	36
28	A Multidisciplinary Approach for the Archaeometric Study of Pozzolanic Aggregate in <scp>R</scp> oman Mortars: The Case of <i><scp>V</scp>illa dei <scp>Q</scp>uintili</i> ( <scp>R</scp> ome, <scp>I</scp> taly). Archaeometry, 2015, 57, 269-296.	0.6	33
29	Mortars and plasters - How to characterize mortar and plaster degradation. Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	31
30	A new methodological approach for the chemical characterization of black crusts on building stones: a case study from the Catania city centre (Sicily, Italy). Journal of Analytical Atomic Spectrometry, 2011, 26, 1000.	1.6	30
31	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.	1.6	30
32	Black crusts on Venetian built heritage, investigation on the impact of pollution sources on their composition. European Physical Journal Plus, 2018, 133, 1.	1.2	27
33	Mortars, plasters and pigments—research questions and sampling criteria. Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	27
34	Application of laser ablation ICP-MS and traditional techniques to the study of black crusts on building stones: a new methodological approach. Environmental Science and Pollution Research, 2010, 17, 1433-1447.	2.7	26
35	The behaviour of consolidated Neapolitan yellow Tuff against salt weathering. Bulletin of Engineering Geology and the Environment, 2017, 76, 115-124.	1.6	26
36	Biodeterioration of marble in an underwater environment. Science of the Total Environment, 2017, 609, 109-122.	3.9	26

#	Article	IF	CITATIONS
37	Handheld XRF and Raman equipment for the in situ investigation of Roman finds in the Villa dei Quintili (Rome, Italy). Journal of Analytical Atomic Spectrometry, 2017, 32, 117-129.	1.6	26
38	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.	1.1	24
39	The behaviour to weathering of the Hyblean limestone in the Baroque architecture of the Val di Noto (SE Sicily): An experimental study on the "calcare a lumachella―stone. Construction and Building Materials, 2015, 77, 7-19.	3.2	24
40	The CoMAS Project: New Materials and Tools for Improving the <i>In situ</i> Documentation, Restoration, and Conservation of Underwater Archaeological Remains. Marine Technology Society Journal, 2016, 50, 108-118.	0.3	24
41	The Cathedral of S. Giorgio in Ragusa Ibla (Italy): characterization of construction materials and their chromatic alteration. Environmental Geology, 2008, 55, 499-504.	1.2	23
42	Vitreous tesserae from the calidarium mosaics of the Villa dei Quintili, Rome. Chemical composition and production technology. Microchemical Journal, 2016, 124, 726-735.	2.3	23
43	Multidisciplinary study of Holocene archaeological soils in an upland Mediterranean site: Natural versus anthropogenic environmental changes at Cecita Lake, Calabria, Italy. Quaternary International, 2013, 303, 163-179.	0.7	22
44	The Baroque monuments of Modica (Eastern Sicily): assessment ofÂcauses of chromatic alteration of stone building materials. Applied Physics A: Materials Science and Processing, 2010, 100, 835-844.	1.1	21
45	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 "Villa con ingresso a protiro― Applied Surface Science, 2015, 357, 1369-1379.	3.1	21
46	Comparative study of protective coatings for the conservation of Urban Art. Journal of Cultural Heritage, 2020, 41, 232-237.	1.5	21
47	NiSe and CoSe Topological Nodalâ€Line Semimetals: A Sustainable Platform for Efficient Thermoplasmonics and Solarâ€Driven Photothermal Membrane Distillation. Small, 2022, 18, .	5.2	21
48	A multi-analytical approach for the characterization of black crusts on the facade of an historical cathedral. Microchemical Journal, 2020, 158, 105121.	2.3	20
49	Characterization of blue decorated Renaissance pottery fragments from Caltagirone (Sicily, Italy). Applied Physics A: Materials Science and Processing, 2008, 92, 91-96.	1.1	19
50	Spectroscopic investigation of Roman decorated plasters by combining FT-IR, micro-Raman and UV-Raman analyses. Vibrational Spectroscopy, 2016, 83, 78-84.	1.2	19
51	Microplastics in the Center of Mediterranean: Comparison of the Two Calabrian Coasts and Distribution from Coastal Areas to the Open Sea. International Journal of Environmental Research and Public Health, 2021, 18, 10712.	1.2	19
52	Technological study of "ghiara―mortars from the historical city centre of Catania (Eastern Sicily,) Tj ETQq0 995-1003.	0 0 rgBT / 1.3	Overlock 10 T 18
53	Automicrite in a â€~nummulite bank' from the Monte Saraceno (Southern Italy): evidence for synsedimentary cementation. Sedimentology, 2011, 58, 878-889.	1.6	17
54	Archaeometric Characterisation of Decorated Pottery from the Archaeological Site of Villa dei	1.0	17

Archaeometric Characterisation of Decorated Pottery from the Archaeological Site Quintili (Rome, Italy): Preliminary Study. Geosciences (Switzerland), 2019, 9, 172. of Villa dei 1.0 54

#	Article	IF	CITATIONS
55	The environmental impact of air pollution on the built heritage of historic Cairo (Egypt). Science of the Total Environment, 2021, 764, 142905.	3.9	17
56	Limestone Provenance in Roman Limeâ€Volcanic Ash Mortars from the Villa dei Quintili, Rome. Geoarchaeology - an International Journal, 2015, 30, 79-99.	0.7	16
57	Multi-Analytical Investigation of the Oil Painting "ll Venditore di Cerini―by Antonio Mancini and Definition of the Best Green Cleaning Treatment. Sustainability, 2022, 14, 3972.	1.6	16
58	Characterisation and differentiation of pigments employed on the façade of "Noto's Valley― monuments (Sicily). Applied Physics A: Materials Science and Processing, 2008, 92, 185-190.	1.1	15
59	Reconstruction of Holocene environmental changes in two archaeological sites of Calabria (Southern Italy) using an integrated pedological and anthracological approach. Quaternary International, 2013, 288, 206-214.	0.7	15
60	A trace element study for the provenance attribution of ceramic artefacts: the case of Dressel 1 amphorae from a late-Republican ship. Journal of Archaeological Science, 2014, 43, 91-104.	1.2	15
61	Mosaic marble tesserae from the underwater archaeological site of Baia (Naples, Italy): determination of the provenance. European Journal of Mineralogy, 2014, 26, 323-331.	0.4	15
62	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.	1.2	15
63	The Tomb of the Diver and the frescoed tombs in Paestum (southern Italy): New insights from a comparative archaeometric study. PLoS ONE, 2020, 15, e0232375.	1.1	15
64	Diagnostics, deterioration and provenance of stone materials from the Jefferson Page tomb (Non-Catholic Cemetery of Rome, Italy). Environmental Earth Sciences, 2010, 60, 829-836.	1.3	14
65	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.	0.4	14
66	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.	0.8	13
67	Microâ€Raman And Microâ€Stratigraphic Analysis Of The Painting Materials In The Rockâ€Hewn Church Of The Forty Martyrs In Åžahinefendi, Cappadocia (Turkey). Archaeometry, 2016, 58, 659-672.	0.6	12
68	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.	1.3	12
69	Petrographic, biological, and chemical techniques used toÂcharacterize two tombs in the Protestant Cemetery ofÂRomeÂ(Italy). Applied Physics A: Materials Science and Processing, 2010, 100, 865-872.	1.1	11
70	On the role of hydrophobic Si-based protective coatings in limiting mortar deterioration. Environmental Science and Pollution Research, 2015, 22, 17733-17743.	2.7	11
71	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.	1.2	11
72	Multi-analytical study of Roman frescoes from Villa dei Quintili (Rome, Italy). Journal of Archaeological Science: Reports, 2018, 21, 422-432.	0.2	11

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73	Protective action against fungal growth of two consolidating products applied to wood. Journal of Cultural Heritage, 2011, 12, 28-33.	1.5	10
74	Different methods for soluble salt removal tested on late-Roman cooking ware from a submarine excavation at the island of Pantelleria (Sicily, Italy). Journal of Cultural Heritage, 2014, 15, 403-413.	1.5	10
75	Characterization of the wall paintings in La Casa de los Grifos of Roman city Complutum. European Physical Journal Plus, 2018, 133, 1.	1.2	10
76	RBS, PIXE, Ion-Microbeam and SR-FTIR Analyses of Pottery Fragments from Azerbaijan. Heritage, 2019, 2, 1852-1873.	0.9	10
77	A Sustainable Approach for the Management and Valorization of Underwater Cultural Heritage: New Perspectives from the TECTONIC Project. Sustainability, 2020, 12, 5000.	1.6	10
78	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.	3.3	10
79	In-Situ Comparative Study of Eucalyptus, Basil, Cloves, Thyme, Pine Tree, and Tea Tree Essential Oil Biocide Efficacy. Methods and Protocols, 2022, 5, 37.	0.9	10
80	Non-destructive identification of green and yellow pigments: theÂcaseÂof some Sicilian Renaissance glazed pottery. Applied Physics A: Materials Science and Processing, 2010, 100, 845-853.	1.1	9
81	The colors of the Fontana di Trevi: an analytical approach. International Journal of Architectural Heritage, 2018, 12, 114-124.	1.7	9
82	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.	0.7	9
83	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.	0.9	9
84	The Cathedral of St. Giorgio in Ragusa Ibla (Italy): a case study of the use of protective products. Environmental Geology, 2008, 54, 1501-1506.	1.2	8
85	Major factors controlling late <scp>P</scp> leistocene to <scp>H</scp> olocene soil development in the <scp>V</scp> esuvius area (southern <scp>I</scp> taly). European Journal of Soil Science, 2014, 65, 406-419.	1.8	8
86	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.	1.3	8
87	A scientific approach to the characterisation of the painting technique of an author: the case of Raffaele Rinaldi. Applied Physics A: Materials Science and Processing, 2014, 114, 733-740.	1.1	7
88	Pore Structure and Water Transfer in Pietra d'Aspra Limestone: A Neutronographic Study. Applied Sciences (Switzerland), 2020, 10, 6745.	1.3	7
89	Evaluating the protecting effects of two consolidants applied on Pietra di Lecce limestone: A neutronographic study. Journal of Cultural Heritage, 2020, 46, 31-41.	1.5	7
90	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.	1.3	7

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#	Article	IF	CITATIONS
91	Il ruolo dell'impatto antropico e del clima olocenico nella Grotta del Santuario della Madonna (Calabria). Mediterranee, 2009, , 137-143.	0.1	7
92	Protection of Urban Art Painting: A Laboratory Study. Polymers, 2022, 14, 162.	2.0	7
93	Combined Use of Non-Invasive and Micro-Invasive Analytical Investigations to Understand the State of Conservation and the Causes of Degradation of I Tesori del Mare (1901) by Plinio Nomellini. Methods and Protocols, 2022, 5, 52.	0.9	7
94	SANS investigation of the salt-crystallization- and surface-treatment-induced degradation on limestones of historic–artistic interest. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	6
95	A multi-analytical approach applied to the archaeometric study of mortars from the Forty Martyrs rupestrian complex in Cappadocia (Turkey). Microchemical Journal, 2016, 125, 34-42.	2.3	6
96	Decay Assessment of Stone-Built Cultural Heritage: The Case Study of the Cosenza Cathedral Façade (South Calabria, Italy). Remote Sensing, 2021, 13, 3925.	1.8	6
97	Short and Long Time Bloodstains Age Determination by Colorimetric Analysis: A Pilot Study. Molecules, 2021, 26, 6272.	1.7	6
98	Antarctic Fish as a Global Pollution Sensor: Metals Biomonitoring in a Twelve-Year Period. Frontiers in Molecular Biosciences, 2021, 8, 794946.	1.6	6
99	Laboratory tests addressed to realize customized restoration procedures of underwater archaeological ceramic finds. Applied Physics A: Materials Science and Processing, 2014, 114, 741-752.	1.1	5
100	A novel model to detect the content of inorganic nanoparticles in coatings used for stone protection. Progress in Organic Coatings, 2017, 106, 177-185.	1.9	5
101	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.	0.7	5
102	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.	2.7	5
103	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, .	1.0	5
104	Methods and Products for the Conservation of Vandalized Urban Art Murals. Coatings, 2021, 11, 1304.	1.2	5
105	Technological and geochemical study of two red-figured vases ofÂunknown provenance by various analytical techniques. Applied Physics A: Materials Science and Processing, 2010, 100, 911-917.	1.1	4
106	Tituli Picti in the archaeological site of Pompeii: diagnostic analysis and conservation strategies. European Physical Journal Plus, 2018, 133, 1.	1.2	4
107	Degradation Products on Byzantine Glasses from Northern Tunisia. Applied Sciences (Switzerland), 2020, 10, 7523.	1.3	4
108	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

#	ARTICLE	IF	CITATIONS
109	Detection of the TiO2 Concentration in the Protective Coatings for the Cultural Heritage by Means of Hyperspectral Data. Sustainability, 2021, 13, 92.	1.6	4
110	Preliminary Study of the Mural Paintings of Sotterra Church in Paola (Cosenza, Italy). Materials, 2022, 15, 3411.	1.3	4
111	Multi-view 3D reconstruction of small stone samples deteriorated by Marine organisms. , 2012, , .		3
112	Hyperspectral Survey Method to Detect the Titanium Dioxide Percentage in the Coatings Applied to the Cultural Heritage. Proceedings (mdpi), 2018, 2, 120.	0.2	3
113	Surface and volume non-invasive methods for the structural monitoring of the bass-relief â€ <sup>~</sup> Madonna con Bambino' (Gorizia, Northern Italy). Natural Product Research, 2019, 33, 1034-1039.	1.0	3
114	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.	0.6	2
115	The interaction between environmental pollution and cultural heritage: from outdoor to indoor "MetroArcheo2020― Environmental Science and Pollution Research, 2022, 29, 29382.	2.7	2
116	Archaeometric Study of Two Tanagra Type Statuettes of Unknown Provenance to Support Forensic Study. Heritage, 2022, 5, 849-859.	0.9	2
117	Antifouling Mortars for Underwater Restoration. Nanomaterials, 2022, 12, 1498.	1.9	2
118	A Usable and People-Friendly Cultural Heritage: MAGNA Project, on the Route from Greece to Magna Graecia. Heritage, 2019, 2, 1350-1368.	0.9	1
119	Geology and conservation of cultural heritage: the study case of the Forty Martyrs rupestrian church in Åžahinefendi area (Cappadocia, Turkey). Rendiconti Online Societa Geologica Italiana, 0, 38, 89-92.	0.3	1
120	Multi-Technique Diagnostic Investigation in View of the Restoration of "The Glory of St. Barbara― Painting by Mattia Preti. Applied Sciences (Switzerland), 2022, 12, 1385.	1.3	1
121	Cultural Heritage and historical earthquakes: The diagnostic methodologies applied in an integrated project of conservative restoration in St. Maria Assunta's church (Cirella di Platì, Italy). European Physical Journal Plus, 2018, 133, 1.	1.2	0
122	Environment and Cultural Heritage: an Important Link to Develop Suitable Protection Strategies. MOJ Ecology & Environmental Sciences, 2016, 1, .	0.1	0
123	Nanoparticles in the Field of Built Heritage Restoration: Challenges and Limits. , 2022, , 1033-1050.		0