

# Mauro F La Russa

## List of Publications by Year in descending order

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docs citations

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times ranked

2066  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticles in the Field of Built Heritage Restoration: Challenges and Limits. , 2022, , 1033-1050.		0
2	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
3	Multi-Analytical Investigation of the Oil Painting "Cell Venditore di Cerini" by Antonio Mancini and Definition of the Best Green Cleaning Treatment. Sustainability, 2022, 14, 3972.	1.6	16
4	The interaction between environmental pollution and cultural heritage: from outdoor to indoor "MetroArcheo2020" Environmental Science and Pollution Research, 2022, 29, 29382.	2.7	2
5	Archaeometric Study of Two Tanagra Type Statuettes of Unknown Provenance to Support Forensic Study. Heritage, 2022, 5, 849-859.	0.9	2
6	Protection of Urban Art Painting: A Laboratory Study. Polymers, 2022, 14, 162.	2.0	7
7	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
8	Antifouling Mortars for Underwater Restoration. Nanomaterials, 2022, 12, 1498.	1.9	2
9	Preliminary Study of the Mural Paintings of Sotterra Church in Paola (Cosenza, Italy). Materials, 2022, 15, 3411.	1.3	4
10	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
11	NiSe and CoSe Topological Nodal Line Semimetals: A Sustainable Platform for Efficient Thermoplasmonics and Solar-Driven Photothermal Membrane Distillation. Small, 2022, 18, .	5.2	21
12	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
13	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
14	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
15	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
16	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
17	Mortars and plasters - How to characterize mortar and plaster degradation. Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	31
18	Mortars, plasters and pigments"research questions and sampling criteria. Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	27

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19	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
20	Short and Long Time Bloodstains Age Determination by Colorimetric Analysis: A Pilot Study. Molecules, 2021, 26, 6272.	1.7	6
21	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
22	Methods and Products for the Conservation of Vandalized Urban Art Murals. Coatings, 2021, 11, 1304.	1.2	5
23	Detection of the TiO <sub>2</sub> Concentration in the Protective Coatings for the Cultural Heritage by Means of Hyperspectral Data. Sustainability, 2021, 13, 92.	1.6	4
24	Antarctic Fish as a Global Pollution Sensor: Metals Biomonitoring in a Twelve-Year Period. Frontiers in Molecular Biosciences, 2021, 8, 794946.	1.6	6
25	Comparative study of protective coatings for the conservation of Urban Art. Journal of Cultural Heritage, 2020, 41, 232-237.	1.5	21
26	Pore Structure and Water Transfer in Pietra di Aspra Limestone: A Neutronographic Study. Applied Sciences (Switzerland), 2020, 10, 6745.	1.3	7
27	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
28	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
29	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
30	Degradation Products on Byzantine Glasses from Northern Tunisia. Applied Sciences (Switzerland), 2020, 10, 7523.	1.3	4
31	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
32	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
33	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
34	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
35	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
36	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

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37	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. <i>Heritage Science</i> , 2020, 8, .	1.0	5
38	RBS, PIXE, Ion-Microbeam and SR-FTIR Analyses of Pottery Fragments from Azerbaijan. <i>Heritage</i> , 2019, 2, 1852-1873.	0.9	10
39	Nanostructured Coatings for Stone Protection: An Overview. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	39
40	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). <i>Coatings</i> , 2019, 9, 330.	1.2	15
41	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). <i>Minerals</i> (Basel, Switzerland), 2019, 9, 268.	0.8	13
42	A Usable and People-Friendly Cultural Heritage: MAGNA Project, on the Route from Greece to Magna Graecia. <i>Heritage</i> , 2019, 2, 1350-1368.	0.9	1
43	Archaeometric Characterisation of Decorated Pottery from the Archaeological Site of Villa dei Quintili (Rome, Italy): Preliminary Study. <i>Geosciences</i> (Switzerland), 2019, 9, 172.	1.0	17
44	An archaeometric approach of historical mortars taken from Foligno City (Umbria, Italy): news insight of Roman Empire in Italy. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 2649-2657.	0.7	5
45	Surface and volume non-invasive methods for the structural monitoring of the bass-relief "Madonna con Bambino" (Gorizia, Northern Italy). <i>Natural Product Research</i> , 2019, 33, 1034-1039.	1.0	3
46	TiO <sub>2</sub> -SiO <sub>2</sub> -PDMS nanocomposite coating with self-cleaning effect for stone material: Finding the optimal amount of TiO <sub>2</sub> . <i>Construction and Building Materials</i> , 2018, 166, 464-471.	3.2	54
47	The colors of the Fontana di Trevi: an analytical approach. <i>International Journal of Architectural Heritage</i> , 2018, 12, 114-124.	1.7	9
48	Tituli Picti in the archaeological site of Pompeii: diagnostic analysis and conservation strategies. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	4
49	Black crusts on Venetian built heritage, investigation on the impact of pollution sources on their composition. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	27
50	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. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	11
51	Cultural Heritage and historical earthquakes: The diagnostic methodologies applied in an integrated project of conservative restoration in St. Maria Assunta's church (Cirella di Platina, Italy). <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	0
52	Characterization of the wall paintings in La Casa de los Grifos of Roman city Complutum. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	10
53	Hyperspectral Survey Method to Detect the Titanium Dioxide Percentage in the Coatings Applied to the Cultural Heritage. <i>Proceedings (mdpi)</i> , 2018, 2, 120.	0.2	3
54	Multi-analytical study of Roman frescoes from Villa dei Quintili (Rome, Italy). <i>Journal of Archaeological Science: Reports</i> , 2018, 21, 422-432.	0.2	11

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55	New insights on the consolidation of salt weathered limestone: the case study of Modica stone. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 11-20.	1.6	41
56	The behaviour of consolidated Neapolitan yellow Tuff against salt weathering. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 115-124.	1.6	26
57	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. <i>Science of the Total Environment</i> , 2017, 593-594, 297-309.	3.9	52
58	Antifouling coatings for underwater archaeological stone materials. <i>Progress in Organic Coatings</i> , 2017, 104, 64-71.	1.9	37
59	A novel model to detect the content of inorganic nanoparticles in coatings used for stone protection. <i>Progress in Organic Coatings</i> , 2017, 106, 177-185.	1.9	5
60	Damage monitoring on carbonate stones: Field exposure tests contributing to pollution impact evaluation in two Italian sites. <i>Construction and Building Materials</i> , 2017, 152, 907-922.	3.2	45
61	Biodeterioration of marble in an underwater environment. <i>Science of the Total Environment</i> , 2017, 609, 109-122.	3.9	26
62	Medium-term in situ experiment by using organic biocides and titanium dioxide for the mitigation of microbial colonization on stone surfaces. <i>International Biodeterioration and Biodegradation</i> , 2017, 123, 17-26.	1.9	38
63	Advanced mortar coatings for cultural heritage protection. Durability towards prolonged UV and outdoor exposure. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12608-12617.	2.7	37
64	Handheld XRF and Raman equipment for the in situ investigation of Roman finds in the Villa dei Quintili (Rome, Italy). <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 117-129.	1.6	26
65	The CoMAS Project: New Materials and Tools for Improving the <i>In situ</i> Documentation, Restoration, and Conservation of Underwater Archaeological Remains. <i>Marine Technology Society Journal</i> , 2016, 50, 108-118.	0.3	24
66	SANS investigation of the salt-crystallization- and surface-treatment-induced degradation on limestones of historic artistic interest. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	6
67	Provenance study of building and statuary marbles from the Roman archaeological site of "Villa dei Quintili" (Rome, Italy). <i>Italian Journal of Geosciences</i> , 2016, 135, 236-249.	0.4	14
68	A multi-analytical approach applied to the archaeometric study of mortars from the Forty Martyrs rupestrian complex in Cappadocia (Turkey). <i>Microchemical Journal</i> , 2016, 125, 34-42.	2.3	6
69	Micro-Raman And Micro-Stratigraphic Analysis Of The Painting Materials In The Rock-Hewn Church Of The Forty Martyrs In Āzahinefendi, Cappadocia (Turkey). <i>Archaeometry</i> , 2016, 58, 659-672.	0.6	12
70	Spectroscopic investigation of Roman decorated plasters by combining FT-IR, micro-Raman and UV-Raman analyses. <i>Vibrational Spectroscopy</i> , 2016, 83, 78-84.	1.2	19
71	Nano-TiO <sub>2</sub> coatings for cultural heritage protection: The role of the binder on hydrophobic and self-cleaning efficacy. <i>Progress in Organic Coatings</i> , 2016, 91, 1-8.	1.9	108
72	Vitreous tesserae from the calidarium mosaics of the Villa dei Quintili, Rome. Chemical composition and production technology. <i>Microchemical Journal</i> , 2016, 124, 726-735.	2.3	23

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73	Environment and Cultural Heritage: an Important Link to Develop Suitable Protection Strategies. <i>MOJ Ecology &amp; Environmental Sciences</i> , 2016, 1, .	0.1	0
74	Limestone Provenance in Roman Lime- <i>Volcanic Ash Mortars from the Villa dei Quintili, Rome. Geoarchaeology - an International Journal</i> , 2015, 30, 79-99.	0.7	16
75	A Multidisciplinary Approach for the Archaeometric Study of Pozzolan Aggregate in Roman Mortars: The Case of <i>Villa dei Quintili (Rome, Italy)</i> . <i>Archaeometry</i> , 2015, 57, 269-296.	0.6	33
76	The behaviour to weathering of the Hyblean limestone in the Baroque architecture of the Val di Noto (SE Sicily): An experimental study on the <i>calcarea lumachella</i> stone. <i>Construction and Building Materials</i> , 2015, 77, 7-19.	3.2	24
77	Multi-technique investigation of Roman decorated plasters from Villa dei Quintili (Rome, Italy). <i>Applied Surface Science</i> , 2015, 349, 924-930.	3.1	36
78	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 <i>Villa con ingresso a protiro</i> . <i>Applied Surface Science</i> , 2015, 357, 1369-1379.	3.1	21
79	On the role of hydrophobic Si-based protective coatings in limiting mortar deterioration. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17733-17743.	2.7	11
80	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. <i>Science of the Total Environment</i> , 2015, 502, 157-166.	3.9	66
81	Major factors controlling late Pleistocene to Holocene soil development in the <i>esuvius</i> area (southern Italy). <i>European Journal of Soil Science</i> , 2014, 65, 406-419.	1.8	8
82	Laboratory tests addressed to realize customized restoration procedures of underwater archaeological ceramic finds. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 741-752.	1.1	5
83	Diagnostic analysis of stone materials from underwater excavations: the case study of the Roman archaeological site of Baia (Naples, Italy). <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 655-662.	1.1	24
84	A scientific approach to the characterisation of the painting technique of an author: the case of Raffaele Rinaldi. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 733-740.	1.1	7
85	Efficacy of nanolime in restoration procedures of salt weathered limestone rock. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 753-758.	1.1	45
86	Characterization of colorants and opacifiers in roman glass mosaic <i>tesserae</i> through spectroscopic and spectrometric techniques. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 238-245.	1.2	50
87	A trace element study for the provenance attribution of ceramic artefacts: the case of Dressel 1 amphorae from a late-Republican ship. <i>Journal of Archaeological Science</i> , 2014, 43, 91-104.	1.2	15
88	Mosaic marble tesserae from the underwater archaeological site of Baia (Naples, Italy): determination of the provenance. <i>European Journal of Mineralogy</i> , 2014, 26, 323-331.	0.4	15
89	Testing the antibacterial activity of doped TiO <sub>2</sub> for preventing biodeterioration of cultural heritage building materials. <i>International Biodeterioration and Biodegradation</i> , 2014, 96, 87-96.	1.9	86
90	Impact of air pollution in deterioration of carbonate building materials in Italian urban environments. <i>Applied Geochemistry</i> , 2014, 48, 122-131.	1.4	55

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91	Different methods for soluble salt removal tested on late-Roman cooking ware from a submarine excavation at the island of Pantelleria (Sicily, Italy). <i>Journal of Cultural Heritage</i> , 2014, 15, 403-413.	1.5	10
92	Application of spectrometric analysis to the identification of pollution sources causing cultural heritage damage. <i>Environmental Science and Pollution Research</i> , 2013, 20, 8848-8859.	2.7	61
93	Geochemical study of black crusts as a diagnostic tool in cultural heritage. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 1151-1162.	1.1	43
94	Multidisciplinary study of Holocene archaeological soils in an upland Mediterranean site: Natural versus anthropogenic environmental changes at Cecita Lake, Calabria, Italy. <i>Quaternary International</i> , 2013, 303, 163-179.	0.7	22
95	Reconstruction of Holocene environmental changes in two archaeological sites of Calabria (Southern Italy) using an integrated pedological and anthracological approach. <i>Quaternary International</i> , 2013, 288, 206-214.	0.7	15
96	Marine Antifouling for Underwater Archaeological Sites: TiO <sub>2</sub> and Ag-Doped TiO <sub>2</sub> . <i>International Journal of Photoenergy</i> , 2013, 2013, 1-6.	1.4	47
97	Role of lichens in weathering of granodiorite in the Sila uplands (Calabria, southern Italy). <i>Sedimentary Geology</i> , 2012, 280, 119-134.	1.0	36
98	Multi-view 3D reconstruction of small stone samples deteriorated by Marine organisms. , 2012, , .		3
99	The stones in monumental masonry buildings of the "Val di Noto" area: New data on the relationships between petrographic characters and physical-mechanical properties. <i>Construction and Building Materials</i> , 2012, 33, 122-132.	3.2	68
100	Multifunctional TiO <sub>2</sub> coatings for Cultural Heritage. <i>Progress in Organic Coatings</i> , 2012, 74, 186-191.	1.9	188
101	A new methodological approach for the chemical characterization of black crusts on building stones: a case study from the Catania city centre (Sicily, Italy). <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1000.	1.6	30
102	Automicrite in a nummulite bank from the Monte Saraceno (Southern Italy): evidence for symsedimentary cementation. <i>Sedimentology</i> , 2011, 58, 878-889.	1.6	17
103	Protective action against fungal growth of two consolidating products applied to wood. <i>Journal of Cultural Heritage</i> , 2011, 12, 28-33.	1.5	10
104	Application of protective products to "Noto" calcarenite (south-eastern Sicily): a case study for the conservation of stone materials. <i>Environmental Earth Sciences</i> , 2011, 62, 1263-1272.	1.3	42
105	ZnO and ZnTiO <sub>3</sub> nanopowders for antimicrobial stone coating. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 829-834.	1.1	83
106	The Baroque monuments of Modica (Eastern Sicily): assessment of causes of chromatic alteration of stone building materials. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 835-844.	1.1	21
107	Non-destructive identification of green and yellow pigments: the case of some Sicilian Renaissance glazed pottery. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 845-853.	1.1	9
108	Study of archaeological underwater finds: deterioration and conservation. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 855-863.	1.1	38

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109	Petrographic, biological, and chemical techniques used to characterize two tombs in the Protestant Cemetery of Rome (Italy). <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 865-872.	1.1	11
110	Technological and geochemical study of two red-figured vases of unknown provenance by various analytical techniques. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 911-917.	1.1	4
111	Diagnostics, deterioration and provenance of stone materials from the Jefferson Page tomb (Non-Catholic Cemetery of Rome, Italy). <i>Environmental Earth Sciences</i> , 2010, 60, 829-836.	1.3	14
112	Technological study of oghiaira mortars from the historical city centre of Catania (Eastern Sicily). <i>Tj ETQqO 0 0 rgBT /Overlock 10 T</i> 995-1003.	1.3	18
113	Application of laser ablation ICP-MS and traditional techniques to the study of black crusts on building stones: a new methodological approach. <i>Environmental Science and Pollution Research</i> , 2010, 17, 1433-1447.	2.7	26
114	Consolidating properties of Regalrez 1126 and Paraloid B72 applied to wood. <i>Journal of Cultural Heritage</i> , 2010, 11, 304-308.	1.5	42
115	Characterisation of archaeological mortars from Pompeii (Campania, Italy) and identification of construction phases by compositional data analysis. <i>Journal of Archaeological Science</i> , 2010, 37, 2207-2223.	1.2	138
116	The Use of FTIR and Micro-FTIR Spectroscopy: An Example of Application to Cultural Heritage. <i>International Journal of Spectroscopy</i> , 2009, 2009, 1-5.	1.4	45
117	Il ruolo dell'impatto antropico e del clima olocenico nella Grotta del Santuario della Madonna (Calabria). <i>Mediterranee</i> , 2009, , 137-143.	0.1	7
118	The Cathedral of St. Giorgio in Ragusa Ibla (Italy): a case study of the use of protective products. <i>Environmental Geology</i> , 2008, 54, 1501-1506.	1.2	8
119	The Cathedral of S. Giorgio in Ragusa Ibla (Italy): characterization of construction materials and their chromatic alteration. <i>Environmental Geology</i> , 2008, 55, 499-504.	1.2	23
120	Characterization of blue decorated Renaissance pottery fragments from Caltagirone (Sicily, Italy). <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 91-96.	1.1	19
121	Characterisation and differentiation of pigments employed on the facade of Noto's Valley monuments (Sicily). <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 185-190.	1.1	15
122	Diagnostic analysis of bricks from the underwater archaeological site of Baia (Naples, Italy): preliminary results. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 38, 85-88.	0.3	4
123	Geology and conservation of cultural heritage: the study case of the Forty Martyrs rupestrian church in Ahinefendi area (Cappadocia, Turkey). <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 38, 89-92.	0.3	1