

# Silvestro Antonio Ruffolo

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,568  
citations

257101

24  
h-index

301761

39  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional TiO <sub>2</sub> coatings for Cultural Heritage. Progress in Organic Coatings, 2012, 74, 186-191.	1.9	188
2	Nano-TiO <sub>2</sub> 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
3	Testing the antibacterial activity of doped TiO <sub>2</sub> for preventing biodeterioration of cultural heritage building materials. International Biodeterioration and Biodegradation, 2014, 96, 87-96.	1.9	86
4	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
5	Characterisation of dairy emulsions by NMR and rheological techniques. Food Hydrocolloids, 2009, 23, 619-628.	5.6	58
6	Impact of air pollution in deterioration of carbonate building materials in Italian urban environments. Applied Geochemistry, 2014, 48, 122-131.	1.4	55
7	TiO <sub>2</sub> â€“SiO <sub>2</sub> â€“PDMS nanocomposite coating with self-cleaning effect for stone material: Finding the optimal amount of TiO <sub>2</sub> . Construction and Building Materials, 2018, 166, 464-471.	3.2	54
8	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
9	Marine Antifouling for Underwater Archaeological Sites: TiO <sub>2</sub> and Ag-Doped TiO <sub>2</sub> . International Journal of Photoenergy, 2013, 2013, 1-6.	1.4	47
10	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
11	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
12	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
13	Consolidating properties of Regalrez 1126 and Paraloid B72 applied to wood. Journal of Cultural Heritage, 2010, 11, 304-308.	1.5	42
14	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
15	Nanostructured Coatings for Stone Protection: An Overview. Frontiers in Materials, 2019, 6, .	1.2	39
16	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
17	Antifouling coatings for underwater archaeological stone materials. Progress in Organic Coatings, 2017, 104, 64-71.	1.9	37
18	Multi-technique investigation of Roman decorated plasters from Villa dei Quintili (Rome, Italy). Applied Surface Science, 2015, 349, 924-930.	3.1	36

#	ARTICLE	IF	CITATIONS
19	Mortars and plasters - How to characterize mortar and plaster degradation. <i>Archaeological and Anthropological Sciences</i> , 2021, 13, 1.	0.7	31
20	Mortars and plasters – how to manage mortars and plasters conservation. <i>Archaeological and Anthropological Sciences</i> , 2021, 13, 1.	0.7	31
21	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
22	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
23	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
24	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
25	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
26	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
27	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". <i>Applied Surface Science</i> , 2015, 357, 1369-1379.	3.1	21
28	Comparative study of protective coatings for the conservation of Urban Art. <i>Journal of Cultural Heritage</i> , 2020, 41, 232-237.	1.5	21
29	Limestone Provenance in Roman Lime – Volcanic Ash Mortars from the Villa dei Quintili, Rome. <i>Geoarchaeology - an International Journal</i> , 2015, 30, 79-99.	0.7	16
30	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
31	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
32	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
33	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
34	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
35	Multidisciplinary Approach for Evaluating the Geochemical Degradation of Building Stone Related to Pollution Sources in the Historical Center of Naples (Italy). <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4241.	1.3	12
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	The colors of the Fontana di Trevi: an analytical approach. <i>International Journal of Architectural Heritage</i> , 2018, 12, 114-124.	1.7	9
40	A methodological approach to define the state of conservation of the stone materials used in the Cairo historical heritage (Egypt). <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	0.7	9
41	The Characterisation of Sedimentary Organic Matter in Carbonates with Fourier-Transform Infrared (FTIR) Spectroscopy. <i>Lecture Notes in Earth Sciences</i> , 2011, , 331-342.	0.5	9
42	Multidisciplinary Approach to Characterize Archaeological Materials and Status of Conservation of the Roman Thermae of Reggio Calabria Site (Calabria, South Italy). <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5106.	1.3	8
43	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
44	Protection of Urban Art Painting: A Laboratory Study. <i>Polymers</i> , 2022, 14, 162.	2.0	7
45	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
46	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
47	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
48	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
49	Methods and Products for the Conservation of Vandalized Urban Art Murals. <i>Coatings</i> , 2021, 11, 1304.	1.2	5
50	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
51	Detection of the TiO <sub>2</sub> Concentration in the Protective Coatings for the Cultural Heritage by Means of Hyperspectral Data. <i>Sustainability</i> , 2021, 13, 92.	1.6	4
52	Preliminary Study of the Mural Paintings of Sotterra Church in Paola (Cosenza, Italy). <i>Materials</i> , 2022, 15, 3411.	1.3	4
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	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

#	ARTICLE	IF	CITATIONS
55	Antifouling Mortars for Underwater Restoration. <i>Nanomaterials</i> , 2022, 12, 1498.	1.9	2
56	Cultural Heritage and historical earthquakes: The diagnostic methodologies applied in an integrated project of conservative restoration in St. Maria Assunta's church (Cirella di PlatÃ-, Italy). <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	0
57	Nanoparticles in the Field of Built Heritage Restoration: Challenges and Limits. , 2022, , 1033-1050.		0