

Silvestro Antonio Ruffolo

List of Publications by Year in descending order

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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	Nanoparticles in the Field of Built Heritage Restoration: Challenges and Limits. , 2022, , 1033-1050.		0
2	Protection of Urban Art Painting: A Laboratory Study. Polymers, 2022, 14, 162.	2.0	7
3	Antifouling Mortars for Underwater Restoration. Nanomaterials, 2022, 12, 1498.	1.9	2
4	Preliminary Study of the Mural Paintings of Sotterra Church in Paola (Cosenza, Italy). Materials, 2022, 15, 3411.	1.3	4
5	Mortars and plasters - How to characterize mortar and plaster degradation. Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	31
6	Mortars and plastersâ€™how to manage mortars and plasters conservation. Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	31
7	Methods and Products for the Conservation of Vandalized Urban Art Murals. Coatings, 2021, 11, 1304.	1.2	5
8	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
9	Comparative study of protective coatings for the conservation of Urban Art. Journal of Cultural Heritage, 2020, 41, 232-237.	1.5	21
10	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
11	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
12	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
13	Nanostructured Coatings for Stone Protection: An Overview. Frontiers in Materials, 2019, 6, .	1.2	39
14	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
15	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
16	Surface and volume non-invasive methods for the structural monitoring of the bass-relief â€˜Madonna con Bambinoâ€™™ (Gorizia, Northern Italy). Natural Product Research, 2019, 33, 1034-1039.	1.0	3
17	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.	3.2	54
18	The colors of the Fontana di Trevi: an analytical approach. International Journal of Architectural Heritage, 2018, 12, 114-124.	1.7	9

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19	Tituli Picti in the archaeological site of Pompeii: diagnostic analysis and conservation strategies. European Physical Journal Plus, 2018, 133, 1.	1.2	4
20	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
21	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). European Physical Journal Plus, 2018, 133, 1.	1.2	0
22	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
23	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
24	Multi-analytical study of Roman frescoes from Villa dei Quintili (Rome, Italy). Journal of Archaeological Science: Reports, 2018, 21, 422-432.	0.2	11
25	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
26	The behaviour of consolidated Neapolitan yellow Tuff against salt weathering. Bulletin of Engineering Geology and the Environment, 2017, 76, 115-124.	1.6	26
27	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
28	Antifouling coatings for underwater archaeological stone materials. Progress in Organic Coatings, 2017, 104, 64-71.	1.9	37
29	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
30	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
31	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
32	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
33	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
34	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
35	Limestone Provenance in Roman Lime-Volcanic Ash Mortars from the Villa dei Quintili, Rome. Geoarchaeology - an International Journal, 2015, 30, 79-99.	0.7	16
36	Multi-technique investigation of Roman decorated plasters from Villa dei Quintili (Rome, Italy). Applied Surface Science, 2015, 349, 924-930.	3.1	36

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	Testing the antibacterial activity of doped TiO ₂ for preventing biodeterioration of cultural heritage building materials. International Biodeterioration and Biodegradation, 2014, 96, 87-96.	1.9	86
46	Impact of air pollution in deterioration of carbonate building materials in Italian urban environments. Applied Geochemistry, 2014, 48, 122-131.	1.4	55
47	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
48	Marine Antifouling for Underwater Archaeological Sites: TiO ₂ and Ag-Doped TiO ₂ . International Journal of Photoenergy, 2013, 2013, 1-6.	1.4	47
49	Multifunctional TiO ₂ coatings for Cultural Heritage. Progress in Organic Coatings, 2012, 74, 186-191.	1.9	188
50	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
51	Protective action against fungal growth of two consolidating products applied to wood. Journal of Cultural Heritage, 2011, 12, 28-33.	1.5	10
52	The Characterisation of Sedimentary Organic Matter in Carbonates with Fourier-Transform Infrared (FTIR) Spectroscopy. Lecture Notes in Earth Sciences, 2011, , 331-342.	0.5	9
53	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
54	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

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55	Consolidating properties of Regalrez 1126 and Paraloid B72 applied to wood. <i>Journal of Cultural Heritage</i> , 2010, 11, 304-308.	1.5	42
56	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
57	Characterisation of dairy emulsions by NMR and rheological techniques. <i>Food Hydrocolloids</i> , 2009, 23, 619-628.	5.6	58