

Indexed publications (Scopus)

1. **Coccatto, A.**; Caggiani, M. C.; Finocchiaro, C.; Fugazzotto, Lanzafame, G.; Mazzoleni, P.; Nucatolo, G.; M.; Occhipinti, R.; Starinieri, S.; Stroschio, A.; Barone, G.; New chemical and mineralogical data on mosaics from the South aisle wall of Monreale Cathedral (Italy). (2023) *The European Physical Journal Plus*, 138(5), 461.
2. Caggiani, M.C.; Belfiore, C.M.; **Coccatto, A.**; New frontiers in innovative and green materials for cultural heritage conservation and construction industry (2023) *Materials Letters*, 341, 134275.
3. Fugazzotto, M.; Occhipinti, R.; Caggiani, M. C.; **Coccatto, A.**; Finocchiaro, C.; Lanzafame, G.; Mazzoleni, P.; Nucatolo, G.; Piacenti, G.; Starinieri, S.; Stroschio, A.; Barone, G. (2023). Restoration feasibility study by using alkali activated mortars based on Mt. Etna volcanic ash: The case study of Monreale Cathedral (Palermo, Italy) (2023) *Materials Letters*.
4. Finocchiaro, C.; **Coccatto, A.**; Barone, G.; Bersani, D.; Culka, A.; Fornasini, L.; Mazzoleni, P.; Jehlicka, J.; Rousaki, A.; Vandenberghe, P. In situ and micro-Raman spectroscopy for the identification of natural Sicilian zeolites (2021) *Journal of Raman Spectroscopy*
5. **Coccatto, A.**; Bersani, D.; Caggiani, M.C.; Mazzoleni, P.; Barone, G. Raman studies on zoisite and tanzanite for gemmological applications (2021) *Journal of Raman Spectroscopy*
6. Caggiani, M. C.; **Coccatto, A.**; Barone, G.; Finocchiaro, C.; Fugazzotto, M.; Lanzafame, G.; Occhipinti, R.; Stroschio, A.; Mazzoleni, P. Raman spectroscopy potentiality in the study of geopolymers reaction degree (2021) *Journal of Raman Spectroscopy*.
7. **Coccatto, A.**; Mazzoleni, P.; Spinola, G.; Barone, G. Two centuries of painted plasters from the Lateran suburban villa (Rome): investigating supply routes and manufacturing of pigments (2021) *Journal of Cultural Heritage*, 48, pp. 171-185.
8. **Coccatto, A.**; Caggiani, M.C.; Occhipinti, R.; Mazzoleni, P.; D'Alessio, A.; Russo, A.; Barone, G. The irreplaceable contribution of cross sections investigation: Painted plasters from the Sphinx Room (Domus Aurea, Rome) (2021) *Minerals*, 11 (1), art. no. 4, pp. 1-14.
9. Caggiani, M.C.; **Coccatto, A.**; Mazzoleni, P.; D'Alessio, A.; Russo, A.; Barone, G. Integrated analytical approach to unveil the secrets of the recently discovered "Sphinx Room": a new piece of Domus Aurea puzzle (2020) *Heritage Science*, 8 (1), art. no. 124.
10. Barone, G.; Caggiani, M.C.; **Coccatto, A.**; Finocchiaro, C.; Fugazzotto, M.; Lanzafame, G.; Occhipinti, R.; Stroschio, A.; Mazzoleni, P. Geopolymer production for conservation-restoration using Sicilian raw materials: Feasibility studies (2020) *IOP Conference Series: Materials Science and Engineering*, 777 (1), art. no. 012001.
11. Sinitò, D.; Fugazzotto, M.; Stroschio, A.; **Coccatto, A.**; Allegra, D.; Barone, G.; Mazzoleni, P.; Stanco, F.

- I-PETER (Interactive platform to experience tours and education on the rocks): A virtual system for the understanding and dissemination of mineralogical-petrographic science (2020) *Pattern Recognition Letters*, 131, pp. 85-90.
12. Caggiani, M.C.; **Coccatto, A.**; Borghini, S.; Mazzoleni, P.; Russo, A.; Barone, G.
Analytical data on marble sculptures' polychrome traces (Palatine hill, Rome) (2020) 2020 IMEKO TC-4 International Conference on Metrology for Archaeology and Cultural Heritage, pp. 410-414.
 13. **Coccatto, A.**; Mantovani, L.; Ferrari, R.; Bersani, D.; Tribaudino, M.; Lottici, P.P.
The deposition from the Cross in the church of Saint-Germain-en-Laye (France): A masterpiece of Romanesque sculpture? Materials characterization to solve a 20th c. mystery (2019) *Journal of Cultural Heritage*, 40, pp. 133-142.
 14. **Coccatto, A.**; Costa, M.; Rousaki, A.; Clist, B.-O.; Karklins, K.; Bostoen, K.; Manhita, A.; Cardoso, A.; Barrocas Dias, C.; Candeias, A.; Moens, L.; Mirão, J.; Vandenabeele, P.
Micro-Raman spectroscopy and complementary techniques (hXRF, VP-SEM-EDS, μ -FTIR and Py-GC/MS) applied to the study of beads from the Kongo Kingdom (Democratic Republic of the Congo) (2017) *Journal of Raman Spectroscopy*, 48 (11), pp. 1468-1478.
 15. **Coccatto, A.**; Moens, L.; Vandenabeele, P.
On the stability of mediaeval inorganic pigments: A literature review of the effect of climate, material selection, biological activity, analysis and conservation treatments (2017) *Heritage Science*, 5 (1), art. no. 12.
 16. **Coccatto, A.**; Vekemans, B.; Vincze, L.; Moens, L.; Vandenabeele, P.
Pigment particles analysis with a total reflection X-ray fluorescence spectrometer: study of influence of instrumental parameters (2016) *Applied Physics A: Materials Science and Processing*, 122 (12), art. no. 1051.
 17. **Coccatto, A.**; Bersani, D.; Coudray, A.; Sanyova, J.; Moens, L.; Vandenabeele, P.
Raman spectroscopy of green minerals and reaction products with an application in Cultural Heritage research (2016) *Journal of Raman Spectroscopy*, 47 (12), pp. 1429-1443.
 18. Barone, G.; Bersani, D.; **Coccatto, A.**; Lauwers, D.; Mazzoleni, P.; Raneri, S.; Vandenabeele, P.; Manzini, D.; Agostino, G.; Neri, N.F.
Nondestructive Raman investigation on wall paintings at Sala Vaccharini in Catania (Sicily) (2016) *Applied Physics A: Materials Science and Processing*, 122 (9), art. no. 838.
 19. Lauwers, D.; Candeias, A.; **Coccatto, A.**; Mirao, J.; Moens, L.; Vandenabeele, P.
Evaluation of portable Raman spectroscopy and handheld X-ray fluorescence analysis (hXRF) for the direct analysis of glyptics (2016) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 157, pp. 146-152.
 20. Rousaki, A.; **Coccatto, A.**; Verhaeghe, C.; Clist, B.-O.; Bostoen, K.; Vandenabeele, P.; Moens, L.
Combined spectroscopic analysis of beads from the Tombs of Kindoki, Lower Congo Province (Democratic Republic of the Congo) (2016) *Applied Spectroscopy*, 70 (1), pp. 76-93.

21. **Coccatto, A.**; Jehlicka, J.; Moens, L.; Vandenabeele, P.
Raman spectroscopy for the investigation of carbon-based black pigments (2015) *Journal of Raman Spectroscopy*, 46 (10), pp. 1003-1015.
22. **Coccatto, A.**; Karampelas, S.; Wörle, M.; Van Willigend, S.; Pétrequin, P.
Gem quality and archeological green 'jadeite jade' versus 'omphacite jade' (2014) *Journal of Raman Spectroscopy*, 45 (11-12), pp. 1260-1265.

Book chapters

Barone, G.; Caggiani, M.C.; Cecchini, A.; **Coccatto, A.**; Fugazzotto, M.; Mazzoleni, P.; Russo, A.
I colori degli etruschi nelle tombe dipinte di Tarquinia: le indagini archeometriche
in *Le tombe dipinte di Tarquinia (new edition)*, edited by Cecchini, A., Nardini Editore (in press)

Coccatto, A.; Gradante, I.; Lo Faro, M. D. Le iscrizioni dei cristiani a Siracusa. Narrazione e materialità di una comunità
in *Siracusa Antica - Nuove prospettive di ricerca*, edited by Nicoletti, F., Regione Siciliana, Palermo, 2022

Invited papers

Coccatto, A. et alii, "Minium vs. minium: understanding polychromy in ancient inscriptions" in *Technè* 57, in an issue entitled "Les choses et les mots : les textes à l'épreuve de la matérialité"