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| **Indexed publications (Scopus)** |

1. Finocchiaro, C.; **Coccato, A.;** Barone, G.; Bersani, D.; Culka, A.; Fornasini, L.; Mazzoleni, P.; Jehlicka, J.; Rousaki, A.; Vandenabeele, P. In situ and micro-raman spectroscopy for the identification of natural sicilian zeolites (2022) Journal of Raman Spectroscopy.

DOI: 10.1002/jrs.6278

1. **Coccato, A.**; Bersani, D.; Caggiani, M.C.; Mazzoleni, P.; Barone, G. Raman studies on zoisite and tanzanite for gemmological applications (2022) Journal of Raman Spectroscopy.

DOI: 10.1002/jrs.6203

1. Caggiani, M. C.; **Coccato, A.**; Barone, G.; Finocchiaro, C.; Fugazzotto, M.; Lanzafame, G.; Occhipinti, R.; Stroscio, A.; Mazzoleni, P.

Raman spectroscopy potentiality in the study of geopolymers reaction degree (2022) Journal of Raman Spectroscopy.

DOI: 10.1002/jrs.6167

1. **Coccato, 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.

DOI: 10.1016/j.culher.2020.11.010

1. **Coccato, 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.

DOI: 10.3390/min11010004

1. Caggiani, M.C.; **Coccato, 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.

DOI: 10.1186/s40494-020-00465-1

1. Barone, G.; Caggiani, M.C.; **Coccato, A.**; Finocchiaro, C.; Fugazzotto, M.; Lanzafame, G.; Occhipinti, R.; Stroscio, 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.

DOI: 10.1088/1757-899X/777/1/012001

1. Sinitò, D.; Fugazzotto, M.; Stroscio, A.; **Coccato, 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.

DOI: 10.1016/j.patrec.2019.12.002

1. Caggiani, M.C.; **Coccato, 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.

1. **Coccato, 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.

DOI: 10.1016/j.culher.2019.05.019

1. **Coccato, 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.

DOI: 10.1002/jrs.5106

1. **Coccato, 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.

DOI: 10.1186/s40494-017-0125-6

1. **Coccato, 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.

DOI: 10.1002/jrs.4956

1. **Coccato, 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.

DOI: 10.1002/jrs.4956

1. Barone, G.; Bersani, D.; **Coccato, A.**; Lauwers, D.; Mazzoleni, P.; Raneri, S.; Vandenabeele, P.; Manzini, D.; Agostino, G.; Neri, N.F.

Nondestructive Raman investigation on wall paintings at Sala Vaccarini in Catania (Sicily) (2016) Applied Physics A: Materials Science and Processing, 122 (9), art. no. 838.

DOI: 10.1002/jrs.4956

1. Lauwers, D.; Candeias, A.; **Coccato, 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.

DOI: 10.1016/j.saa.2015.12.013

1. Rousaki, A.; **Coccato, 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.

DOI: 10.1177/0003702815616595

1. **Coccato, 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.

DOI: 10.1002/jrs.4715

1. **Coccato, 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.

DOI: 10.1002/jrs.4512

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| **Book chapters** |

Barone, G.; Caggiani, M.C.; Cecchini, A.; **Coccato, 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)

Coccato, 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. (in press)