

# Non-destructive in situ determination of pigments in 15 microscopy

Analytica Chimica Acta

480, 317-325

DOI: [10.1016/s0003-2670\(02\)01660-4](https://doi.org/10.1016/s0003-2670(02)01660-4)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Identification of anthraquinone coloring matters in natural red dyes by electrospray mass spectrometry coupled to capillary electrophoresis. <i>Journal of Mass Spectrometry</i> , 2003, 38, 1252-1258.	0.7	58
2	Analysis of bulk and inorganic degradation products of stones, mortars and wall paintings by portable Raman microprobe spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 42-50.	1.9	81
3	Pigment analysis of a wallpaper from the early 19th century: Les Monuments de Paris. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 704-709.	1.2	30
4	Pigments and binders in the wall paintings of Santa Maria della Steccata in Parma (Italy): the ultimate technique of Parmigianino. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 694-703.	1.2	24
5	Use of a fibre-optic probe for the identification of asbestos fibres in bulk materials by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 541-548.	1.2	9
6	Raman fibre optic approach to artwork dating. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 2919-2924.	2.0	30
7	Scientific analysis versus restorer's expertise for diagnosis prior to a restoration process: the case of Santa Maria Church (Hermo, Asturias, North of Spain). <i>Analytica Chimica Acta</i> , 2004, 524, 379-389.	2.6	55
8	Monitoring of pigmented and wooden surfaces in accelerated ageing processes by FT-Raman spectroscopy and multivariate control charts. <i>Talanta</i> , 2004, 63, 987-1002.	2.9	33
9	Raman microscopy in archaeological science. <i>Journal of Archaeological Science</i> , 2004, 31, 1137-1160.	1.2	294
10	Fuzzy Logic for Identifying Pigments Studied by Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2004, 58, 848-854.	1.2	11
11	Spectroscopic Techniques in Cultural Heritage Conservation: A Survey. <i>Applied Spectroscopy Reviews</i> , 2005, 40, 187-228.	3.4	132
12	On-line FT-Raman and dispersive Raman spectra database of artists' materials (e-VISART database). <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 248-258.	1.9	185
13	Data fusion and dual-domain classification analysis of pigments studied in works of art. <i>Analytica Chimica Acta</i> , 2006, 558, 274-282.	2.6	28
14	Investigation of degradation mechanisms by portable Raman spectroscopy and thermodynamic speciation: The wall painting of Santa María de Lemoniz (Basque Country, North of Spain). <i>Analytica Chimica Acta</i> , 2006, 571, 121-128.	2.6	94
15	Raman microscopic investigation of paint samples from the Rosalila building, Copan, Honduras. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 1072-1077.	1.2	17
16	A Decade of Raman Spectroscopy in Art and Archaeology. <i>Chemical Reviews</i> , 2007, 107, 675-686.	23.0	321
17	Surface-enhanced Raman scattering for identification of organic pigments and dyes in works of art and cultural heritage material. <i>Sensor Review</i> , 2007, 27, 109-120.	1.0	96
18	Near-crater discoloration of white lead in wall paintings during laser induced breakdown spectroscopy analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 1590-1596.	1.5	32

#	ARTICLE	IF	CITATIONS
19	Micro-Raman spectroscopic investigation of external wall paintings from St. Dumitru's Church, Suceava, Romania. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 263-268.	1.9	23
20	Novel analytical methods for characterising binding media and protective coatings in artworks. <i>Analytica Chimica Acta</i> , 2008, 621, 109-139.	2.6	132
21	Chromatic alterations of red lead pigments in artworks: a review. <i>Phase Transitions</i> , 2008, 81, 145-154.	0.6	82
22	Analytical study of polychromy on exterior sculpted stone. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 2104-2110.	1.2	17
23	Combined use of FORS, XRF and Raman spectroscopy in the study of mural paintings in the Aosta Valley (Italy). <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 2005-2013.	1.9	58
24	Innovative Analytical Methodology Combining Micro-X-Ray Diffraction, Scanning Electron Microscopy-Based Mineral Maps, and Diffuse Reflectance Infrared Fourier Transform Spectroscopy to Characterize Archeological Artifacts. <i>Analytical Chemistry</i> , 2009, 81, 604-611.	3.2	34
25	A pigment (CuS) identified by micro-Raman spectroscopy on a Chinese funerary lacquer ware of West Han Dynasty. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 222-225.	1.2	27
26	Assessment of limestone deterioration due to salt formation by micro-Raman spectroscopy: application to architectural heritage. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1441-1448.	1.2	30
27	In situ investigations of vault paintings in the Antwerp cathedral. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 511-519.	2.0	52
28	In situ noninvasive Raman microspectroscopic investigation of polychrome plasterworks in the Alhambra. <i>Analyst</i> , 2012, 137, 5763.	1.7	36
29	Nondestructive identification for red ink entries of seals by Raman and Fourier transform infrared spectrometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 986-994.	2.0	28
30	Application of Spectroscopy and Microscopy Techniques in Surface Coatings Evaluation: A Review. <i>Applied Spectroscopy Reviews</i> , 2012, 47, 233-243.	3.4	11
31	Raman Microscopic Analysis of a Multi-Pigmented Surface from the Theban Tomb (TT277), Luxor, Egypt. <i>Acta Physica Polonica A</i> , 2013, 123, 782-785.	0.2	6
32	The study of the mural painting in the 12th century monastery of Santa Maria delle Cerrate (Puglia-Italy): characterization of materials and techniques used. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 899-904.	1.2	26
33	Micro-Raman spectroscopy analysis of the 17th century panel painting "Servilius Appius" by Isaac van den Blocke. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1019-1025.	1.2	14
34	Identification of pigments on Byzantine wall paintings from Crete (14th century AD) using non-invasive Fiber Optics Diffuse Reflectance Spectroscopy (FORS). <i>Journal of Archaeological Science</i> , 2014, 41, 541-555.	1.2	90
35	Raman microspectroscopic analysis of pigments of the Gothic wall painting from the Dominican Monastery in Ptuj (Slovenia). <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1103-1109.	1.2	25
36	A combined analytical approach applied to Medieval wall paintings from Puglia (Italy): The study of painting techniques and its conservation state. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 321-328.	1.2	18

#	ARTICLE	IF	CITATIONS
37	An innovative combination of non-invasive UV-Visible-FORS, XRD and XRF techniques to study Roman wall paintings from Seville, Spain. <i>Journal of Cultural Heritage</i> , 2016, 22, 1028-1039.	1.5	40
38	Nondestructive Raman investigation on wall paintings at Sala Vaccarini in Catania (Sicily). <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	16
39	Red lead degradation: monitoring of color change over time. <i>New Journal of Chemistry</i> , 2016, 40, 3686-3692.	1.4	18
40	The green grass was never green: How spectroscopic techniques should have assisted restoration works. <i>Microchemical Journal</i> , 2018, 138, 154-161.	2.3	8
41	Portable and laboratory analytical instruments for the study of materials, techniques and environmental impacts in mediaeval mural paintings. <i>Analytical Methods</i> , 2018, 10, 4854-4870.	1.3	19
42	LIF/Raman/XRF non-invasive microanalysis of frescoes from St. Alexander catacombs in Rome. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 207-215.	2.0	17
43	Calcium oxalate films on works of art: A review. <i>Journal of Cultural Heritage</i> , 2019, 40, 195-214.	1.5	66
44	Comprehensive study of an ancient Egyptian foot case cartonnage using Raman, ESEM-EDS, XRD and FTIR. <i>Vibrational Spectroscopy</i> , 2020, 106, 102987.	1.2	22
45	In situ Raman spectroscopy for cultural heritage studies. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 2178-2189.	1.2	28
46	Critical evaluation of portable Raman spectrometers: From rock outcrops and planetary analogs to cultural heritage – A review. <i>Analytica Chimica Acta</i> , 2022, 1209, 339027.	2.6	29
47	Pigments – Lead-based whites, reds, yellows and oranges and their alteration phases. <i>Archaeological and Anthropological Sciences</i> , 2022, 14, .	0.7	55
48	Nondestructive Raman investigation on wall paintings at Sala Vaccarini in Catania (Sicily). , 2017, , 259-268.		0
50	Continuous wave laser thermal restoration of oxidized lead-based pigments in mural paintings. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	1.1	3
51	Multi-analytical approach to the mural painting from an ancient tomb of Ming Dynasty in Jiyuan, China: Characterization of materials and techniques. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 279, 121419.	2.0	8
52	From Frescoes to Paintings. <i>Cultural Heritage Science</i> , 2023, , 169-214.	0.3	0