

Combined use of FORS, XRF and Raman spectroscopy in Aosta Valley (Italy)

Analytical and Bioanalytical Chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Portable Raman monitoring of modern cleaning and consolidation operations of artworks on mineral supports. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2717-2725.	3.7	21
2	Atomic spectrometry update—X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1503.	3.0	58
3	Compositional and Quantitative Microtextural Characterization of Historic Paintings by Micro-X-ray Diffraction and Raman Microscopy. <i>Analytical Chemistry</i> , 2011, 83, 8420-8428.	6.5	23
4	Combined non-destructive XRF and SR-XAS study of archaeological artefacts. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3147-3153.	3.7	32
5	Raman spectroscopy in the diagnosis of the wall painting <i>History of Concepci3n</i>, Chile. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 2143-2148.	2.5	15
6	Study of Late Roman and Byzantine glass by the combined use of analytical techniques. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 1554-1561.	3.1	14
7	The on-site/remote Raman analysis with mobile instruments: a review of drawbacks and success in cultural heritage studies and other associated fields. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1529-1535.	2.5	146
8	Non invasive analysis of miniature paintings: Proposal for an analytical protocol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 91, 352-359.	3.9	48
9	Multivariate analysis of combined Raman and fibre-optic reflectance spectra for the identification of binder materials in simulated medieval paints. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 866-874.	2.5	32
10	Nondestructive analyses of carbonate rocks: applications and potentiality for museum materials. <i>X-Ray Spectrometry</i> , 2013, 42, 8-15.	1.4	13
11	In-situ spectroscopic assessment of the conservation state of building materials from a Palace house affected by infiltration water. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1277-1284.	2.5	47
12	Estimating the concentrations of pigments and binders in lead-based paints using FT-Raman spectroscopy and principal component analysis. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1272-1278.	2.5	12
13	Surface-enhanced Raman scattering for the analysis of red lake pigments in painting layers mounted in cross sections. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1127-1132.	2.5	30
14	Gold in the Alhambra: study of materials, technologies, and decay processes on decorative gilded plasterwork. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1052-1058.	2.5	19
15	The role of mobile instrumentation in novel applications of Raman spectroscopy: archaeometry, geosciences, and forensics. <i>Chemical Society Reviews</i> , 2014, 43, 2628.	38.1	153
16	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.	2.4	90
17	Mineralogical Characterization of the Polychrome in Cultural Heritage Artifacts (Antiquity to Date) from Southern Spain Using Micro-Raman Spectroscopy and Complementary Techniques. <i>Spectroscopy Letters</i> , 2014, 47, 223-237.	1.0	13
18	Use of imaging spectroscopy, fiber optic reflectance spectroscopy, and X-ray fluorescence to map and identify pigments in illuminated manuscripts. <i>Studies in Conservation</i> , 2014, 59, 91-101.	1.1	127

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19	Diffuse reflectance FTIR database for the interpretation of the spectra obtained with a handheld device on built heritage materials. <i>Analytical Methods</i> , 2015, 7, 1061-1070.	2.7	33
20	In situ DRIFT, Raman, and XRF implementation in a multianalytical methodology to diagnose the impact suffered by built heritage in urban atmospheres. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5635-5647.	3.7	26
21	Non-invasive identification of traditional red lake pigments in fourteenth to sixteenth centuries paintings through the use of hyperspectral imaging technique. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 121, 891-901.	2.3	42
22	Raman spectroscopy of green minerals and reaction products with an application in Cultural Heritage research. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1429-1443.	2.5	50
23	Estimation of semiconductor-like pigment concentrations in paint mixtures and their differentiation from paint layers using first-derivative reflectance spectra. <i>Talanta</i> , 2016, 154, 63-72.	5.5	11
24	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.	3.3	40
25	Raman spectroscopy of minerals and mineral pigments in archaeometry. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 499-530.	2.5	126
26	The efficiency of micro-Raman spectroscopy in the analysis of complicated mixtures in modern paints: Munch's and Kupka's paintings under study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 156, 36-46.	3.9	19
27	Multi-analytical study of techniques and palettes of wall paintings of the monastery of <i>Žižica</i> , Serbia. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 156, 78-88.	3.9	21
28	Diagnostics of wall paintings: A smart and reliable approach. <i>Journal of Cultural Heritage</i> , 2016, 18, 229-241.	3.3	24
29	Identification of natural red and purple dyes on textiles by Fiber-optics Reflectance Spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 178, 239-250.	3.9	49
30	Determination of materials and techniques involved in the mural paintings of San Miguel Church, Argentina. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1356-1364.	2.5	6
31	Handheld XRF and Raman equipment for the in situ investigation of Roman finds in the Villa dei Quintili (Rome, Italy). <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 117-129.	3.0	26
32	In situ non-invasive characterization of the composition of Pompeian pigments preserved in their original bowls. <i>Microchemical Journal</i> , 2018, 139, 458-466.	4.5	31
33	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.	2.7	19
34	Mobile Spectroscopy in Archaeometry: Some Case Study. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-11.	1.3	12
35	Spectral reflectance characterization and fiber type discrimination for common natural textile materials using a portable spectroradiometer. <i>Journal of Archaeological Science</i> , 2019, 111, 105026.	2.4	11
36	Wideband Power Spectrum Estimation Based on Sub-Nyquist Sampling in Cognitive Radio Networks. <i>IEEE Access</i> , 2019, 7, 115339-115347.	4.2	1

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37	In situ and laboratory analysis on the polychromy of the Ghent Pantheon cork model by Antonio Chichi. European Physical Journal Plus, 2019, 134, 1.	2.6	6
38	Multidisciplinary Approach Applied to the Diagnosis of the Facade of the Arciprestal Church of Santa Mar�a de Morella (Castell�n, Spain). Scanning, 2019, 2019, 1-14.	1.5	1
39	Archaeometric Characterisation of Decorated Pottery from the Archaeological Site of Villa dei Quintili (Rome, Italy): Preliminary Study. Geosciences (Switzerland), 2019, 9, 172.	2.2	17
40	Recent progress in instrumental techniques for architectural heritage materials. Heritage Science, 2019, 7, .	2.3	40
41	Multi-technical approach for the characterization of polychrome decorative surfaces at Spanish Mission Churches in Nueva Vizcaya (Chihuahua, Mexico). Science and Technology of Archaeological Research, 2019, 5, 287-304.	2.4	0
42	UV-Vis spectroscopy. Physical Sciences Reviews, 2019, 4, .	0.8	25
43	5. UV-Vis spectroscopy. , 2020, , 99-120.		0
44	Fiber Optic Reflection Spectroscopy��Near-Infrared Characterization Study of Dry Pigments for Pictorial Retouching. Applied Spectroscopy, 2021, 75, 445-461.	2.2	9
46	Application of Uniform Manifold Approximation and Projection (UMAP) in spectral imaging of artworks. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119547.	3.9	43
47	Hyperspectral Image Segmentation For Paint Analysis. , 2021, , .		2
48	A Comprehensive Review on Raman Spectroscopy Applications. Chemosensors, 2021, 9, 262.	3.6	96
49	An imaging and spectroscopic methodology for in situ analysis of ceiling and wall decorations in Colonial missions in Northern Mexico from XVII to XVIII centuries. Heritage Science, 2020, 8, .	2.3	8
51	The Combined Use of Non-invasive Methods for the Identification of Pigments and the Weathering Damage on Marble Figurines and Statues. , 2018, , 233-242.		0
52	Acquisition of High Spectral Resolution Diffuse Reflectance Image Cubes (350��2500 nm) from Archaeological Wall Paintings and Other Immovable Heritage Using a Field-Deployable Spatial Scanning Reflectance Spectrometry Hyperspectral System. Sensors, 2022, 22, 1915.	3.8	3
53	Multi-analytical approach to the mural painting from an ancient tomb of Ming Dynasty in Jiyuan, China: Characterization of materials and techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121419.	3.9	8
54	XRFast a new software package for processing of MA-XRF datasets using machine learning. Journal of Analytical Atomic Spectrometry, 2022, 37, 2130-2143.	3.0	8
55	From Frescoes to Paintings. Cultural Heritage Science, 2023, , 169-214.	0.4	0
56	The fresco wall painting techniques in the Mediterranean area from Antiquity to the present: A review. Journal of Cultural Heritage, 2024, 66, 166-186.	3.3	0

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57	Exploring elucidation of red dye mixtures on woolen historical textiles via non-destructive spectroscopic analysis and multivariate cluster analysis. Heritage Science, 2024, 12, .	2.3	0
58	Application of Macro X-ray Fluorescence Fast Mapping to Thickness Estimation of Layered Pigments. Sustainability, 2024, 16, 2467.	3.2	0