

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.	1.9	21
2	Atomic spectrometry update—X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1503.	1.6	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.	3.2	23
4	Combined non-destructive XRF and SR-XAS study of archaeological artefacts. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3147-3153.	1.9	32
5	Raman spectroscopy in the diagnosis of the wall painting <i>History of Concepción</i> , Chile. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 2143-2148.	1.2	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.	1.5	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.	1.2	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.	2.0	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.	1.2	32
10	Nondestructive analyses of carbonate rocks: applications and potentiality for museum materials. <i>X-Ray Spectrometry</i> , 2013, 42, 8-15.	0.9	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.	1.2	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.	1.2	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.	1.2	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.	1.2	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.	18.7	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.	1.2	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.	0.5	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.	0.6	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.	1.3	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.	1.9	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.	1.1	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.	1.2	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.	2.9	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.	1.5	40
25	Raman spectroscopy of minerals and mineral pigments in archaeometry. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 499-530.	1.2	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.	2.0	19
27	Multi-analytical study of techniques and palettes of wall paintings of the monastery of <i>Đurđevac</i> , Serbia. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 156, 78-88.	2.0	21
28	Diagnostics of wall paintings: A smart and reliable approach. <i>Journal of Cultural Heritage</i> , 2016, 18, 229-241.	1.5	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.	2.0	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.	1.2	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.	1.6	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.	2.3	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.	1.3	19
34	Mobile Spectroscopy in Archaeometry: Some Case Study. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-11.	0.6	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.	1.2	11
36	Wideband Power Spectrum Estimation Based on Sub-Nyquist Sampling in Cognitive Radio Networks. <i>IEEE Access</i> , 2019, 7, 115339-115347.	2.6	1

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37	In situ and laboratory analysis on the polychromy of the Ghent Pantheon cork model by Antonio Chichi. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	6
38	Multidisciplinary Approach Applied to the Diagnosis of the Facade of the Arciprestal Church of Santa Mar�a de Morella (Castell�n, Spain). <i>Scanning</i> , 2019, 2019, 1-14.	0.7	1
39	Archaeometric Characterisation of Decorated Pottery from the Archaeological Site of Villa dei Quintili (Rome, Italy): Preliminary Study. <i>Geosciences (Switzerland)</i> , 2019, 9, 172.	1.0	17
40	Recent progress in instrumental techniques for architectural heritage materials. <i>Heritage Science</i> , 2019, 7, .	1.0	40
41	Multi-technical approach for the characterization of polychrome decorative surfaces at Spanish Mission Churches in Nueva Vizcaya (Chihuahua, Mexico). <i>Science and Technology of Archaeological Research</i> , 2019, 5, 287-304.	2.4	0
42	UV-Vis spectroscopy. <i>Physical Sciences Reviews</i> , 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. <i>Applied Spectroscopy</i> , 2021, 75, 445-461.	1.2	9
46	Application of Uniform Manifold Approximation and Projection (UMAP) in spectral imaging of artworks. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119547.	2.0	43
47	Hyperspectral Image Segmentation For Paint Analysis. , 2021, , .		2
48	A Comprehensive Review on Raman Spectroscopy Applications. <i>Chemosensors</i> , 2021, 9, 262.	1.8	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. <i>Heritage Science</i> , 2020, 8, .	1.0	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. <i>Sensors</i> , 2022, 22, 1915.	2.1	3
53	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
54	XRFast a new software package for processing of MA-XRF datasets using machine learning. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 2130-2143.	1.6	8
55	From Frescoes to Paintings. <i>Cultural Heritage Science</i> , 2023, , 169-214.	0.3	0