Costanza Miliani

List of Publications by Year
in descending order

156 papers	6,137 citations	50244 46 h-index	91828 69 g-index
162 all docs	162 docs citations	162 times ranked	3796 citing authors

#	Article	IF	Citations
1	Deeper insights into the photoluminescence properties and (photo)chemical reactivity of cadmium red (CdS1â^'xSex) paints in renowned twentieth century paintings by state-of-the-art investigations at multiple length scales. European Physical Journal Plus, 2022, 137, 1.	1.2	5
2	New insights into the deterioration of TiO2 based oil paints: the effects of illumination conditions and surface interactions. Heritage Science, 2022, 10, .	1.0	5
3	Microscale mechanochemical characterization of drying oil films by in situ correlative Brillouin and Raman spectroscopy. Science Advances, 2022, 8, .	4.7	2
4	An integrated analytical study of crayons from the original art materials collection of the MUNCH museum in Oslo. Scientific Reports, 2021, 11, 7152.	1.6	8
5	The chemistry of making color in art. Journal of Cultural Heritage, 2021, 50, 188-210.	1.5	11
6	Unveiling the composition of historical plastics through non-invasive reflection FT-IR spectroscopy in the extended near- and mid-Infrared spectral range. Analytica Chimica Acta, 2021, 1169, 338602.	2.6	3
7	Identifying Brazilwoodâ€™s Marker Component, Urolithin C, in Historical Textiles by Surface-Enhanced Raman Spectroscopy. Heritage, 2021, 4, 1415-1428.	0.9	10
8	Single-sided NMR: a non-invasive diagnostic tool for monitoring swelling effects in paint films subjected to solvent cleaning. Analytical and Bioanalytical Chemistry, 2020, 412, 1063-1075.	1.9	11
9	The role of relative humidity on crystallization of calcium carbonate from calcium acetoacetate precursor. Applied Surface Science, 2020, 506, 144768.	3.1	10
10	Synchrotron radiation Ca K-edge 2D-XANES spectroscopy for studying the stratigraphic distribution of calcium-based consolidants applied in limestones. Scientific Reports, 2020, 10, 14337.	1.6	6
11	Damages Induced by Synchrotron Radiation-Based X-ray Microanalysis in Chrome Yellow Paints and Related Cr-Compounds: Assessment, Quantification, and Mitigation Strategies. Analytical Chemistry, 2020, 92, 14164-14173.	3.2	22
12	Discovering Giuseppe Capogrossi: Study of the Painting Materials in Three Works of Art Stored at Galleria Nazionale (Rome). Heritage, 2020, 3, 965-984.	0.9	9
13	Probing the chemistry of CdS paints in The Scream by in situ noninvasive spectroscopies and synchrotron radiation x-ray techniques. Science Advances, 2020, 6, eaay3514.	4.7	41
14	6. Recent trends in the application of Fourier Transform Infrared (FT-IR) spectroscopy in Heritage Science: frommicro- to non-invasive FT-IR. , 2020, , 121-150.		4
15	New insights into the fading mechanism of Geranium lake in painting matrixâ€• Dyes and Pigments, 2020, 181, 108600.	2.0	14
16	A combined theoretical and experimental investigation of the electronic and vibrational properties of red lead pigment. Journal of Cultural Heritage, 2020, 46, 374-381.	1.5	5
17	An SERS analytical protocol for characterizing native Japanese plant extracts. Journal of Raman Spectroscopy, 2020, 51, 892-902.	1.2	9
18	Molecular Fluorescence Imaging Spectroscopy for Mapping Low Concentrations of Red Lake Pigments: Vanâ€…Gogh's Painting The Olive Orchard. Angewandte Chemie, 2020, 132, 6102-6109.	1.6	4

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19	Molecular Fluorescence Imaging Spectroscopy for Mapping Low Concentrations of Red Lake Pigments: Vanâ€…Gogh's Painting The Olive Orchard. Angewandte Chemie - International Edition, 2020, 59, 6046-6053.	7.2	14
20	Blackening of lead white: Study of model paintings. Journal of Raman Spectroscopy, 2020, 51, 1118-1126.	1.2	13
21	NMR spectroscopy and micro-analytical techniques for studying the constitutive materials and the state of conservation of an ancient Tapa barkcloth from Polynesia, is. Wallis. Journal of Cultural Heritage, 2020, 45, 379-388.	1.5	6
22	Non-invasive reflection FT-IR spectroscopy for on-site detection of cleaning system residues on polychrome surfaces. Microchemical Journal, 2020, 157, 105033.	2.3	5
23	Shades of blue: non-invasive spectroscopic investigations of Maya blue pigments. From laboratory mock-ups to Mesoamerican codices. Heritage Science, 2020, 8, .	1.0	25
24	Analysis of chromophores in stained-glass windows using Visible Hyperspectral Imaging in-situ. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117378.	2.0	24
25	Recent trends in the application of Fourier Transform Infrared (FT-IR) spectroscopy in Heritage Science: from micro- to non-invasive FT-IR. Physical Sciences Reviews, 2019, 4, .	0.8	19
26	Laser cleaning of paintings: in situ optimization of operative parameters through non-invasive assessment by optical coherence tomography (OCT), reflection FT-IR spectroscopy and laser induced fluorescence spectroscopy (LIF). Heritage Science, 2019, 7, .	1.0	20
27	Disclosing the Binding Medium Effects and the Pigment Solubility in the (Photo)reduction Process of Chrome Yellows (PbCrO₄/PbCr_{1â€“x}S_xO₄). ACS Omega, 2019, 4, 6607-6619.	1.6	17
28	Tracking Metal Oxalates and Carboxylates on Painting Surfaces by Non-invasive Reflection Mid-FTIR Spectroscopy. Cultural Heritage Science, 2019, , 173-193.	0.3	13
29	Disclosing the composition of historical commercial felt-tip pens used in art by integrated vibrational spectroscopy and pyrolysis-gas chromatography/mass spectrometry. Journal of Cultural Heritage, 2019, 35, 242-253.	1.5	15
30	Further Insight into Mesoamerican Paint Technology: Unveiling the Colour Palette of the Preâ€Columbian Codex FejÃ©rvÃ¡ryâ€Mayer by Means of Nonâ€invasive Analysis. Archaeometry, 2018, 60, 797-814.	0.6	11
31	Ancient encaustic: An experimental exploration of technology, ageing behaviour and approaches to analytical investigation. Microchemical Journal, 2018, 138, 472-487.	2.3	23
32	Complementary use of Optical Coherence Tomography (OCT) and Reflection FTIR spectroscopy for in-situ non-invasive monitoring of varnish removal from easel paintings. Microchemical Journal, 2018, 138, 7-18.	2.3	26
33	Zur Photochemie von KÃ¼nstlerfarben: Strategien zur Verhinderung von FarbverÃnderungen in Kunstwerken. Angewandte Chemie, 2018, 130, 7447-7457.	1.6	1
34	Frontispiece: Role of the Relative Humidity and the Cd/Zn Stoichiometry in the Photooxidation Process of Cadmium Yellows (CdS/Cd_{1â^'x}Zn_xS) in Oil Paintings. Chemistry - A European Journal, 2018, 24, .	1.7	0
35	Investigation on the process of lead white blackening by Raman spectroscopy, XRD and other methods: Study of Cimabueâ€™s paintings in Assisi. Vibrational Spectroscopy, 2018, 98, 41-49.	1.2	22
36	Photochemistry of Artistsâ€™ Dyes and Pigments: Towards Better Understanding and Prevention of Colour Change in Works of Art. Angewandte Chemie - International Edition, 2018, 57, 7324-7334.	7.2	42

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37	Role of the Relative Humidity and the Cd/Zn Stoichiometry in the Photooxidation Process of Cadmium Yellows (CdS/Cd_{1â^'x}Zn_xS) in Oil Paintings. Chemistry - A European Journal, 2018, 24, 11584-11593.	1.7	27
38	Tyrian purple in archaeological textiles: DMF extraction and recrystallization for the Raman identification of precursors and derivatives. Journal of Raman Spectroscopy, 2017, 48, 744-749.	1.2	8
39	Beyond the color: A structural insight to eosin-based lakes. Dyes and Pigments, 2017, 140, 297-311.	2.0	25
40	Micro transflection on a metallic stick: an innovative approach of reflection infrared spectroscopy for minimally invasive investigation of painting varnishes. Analytical and Bioanalytical Chemistry, 2017, 409, 3187-3197.	1.9	14
41	CRONO: a fast and reconfigurable macro Xâ€ray fluorescence scanner for inâ€situ investigations of polychrome surfaces. X-Ray Spectrometry, 2017, 46, 297-302.	0.9	43
42	Revealing the Nature and Distribution of Metal Carboxylates in Jackson Pollockâ€™s Alchemy (1947) by Micro-Attenuated Total Reflection FT-IR Spectroscopic Imaging. Analytical Chemistry, 2017, 89, 1283-1289.	3.2	59
43	Molecular and structural characterization of some violet phosphate pigments for their non-invasive identification in modern paintings. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 439-444.	2.0	11
44	Structural and electronic properties of the PbCrO₄ chrome yellow pigment and of its light sensitive sulfate-substituted compounds. RSC Advances, 2016, 6, 36336-36344.	1.7	21
45	Archaeometric study of Etruscan scarab gemstones by non-destructive chemical and topographical analysis. Journal of Archaeological Science: Reports, 2016, 8, 381-391.	0.2	2
46	Disclosing Jackson Pollockâ€™s palette in Alchemy (1947) by non-invasive spectroscopies. Heritage Science, 2016, 4, .	1.0	32
47	Microâ€Raman and SER spectroscopy to unfold Lefranc's early organic pigment formulations. Journal of Raman Spectroscopy, 2016, 47, 1505-1513.	1.2	13
48	Non-invasive Investigations of Paintings by Portable Instrumentation: The MOLAB Experience. Topics in Current Chemistry, 2016, 374, 10.	3.0	56
49	Chromatographic and spectroscopic identification and recognition of ammoniacal cochineal dyes and pigments. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 162, 86-92.	2.0	26
50	UVâ€“Vis-NIR and microRaman spectroscopies for investigating the composition of ternary CdS 1â^'x Se x solid solutions employed as artists' pigments. Microchemical Journal, 2016, 125, 279-289.	2.3	23
51	Chromium speciation methods and infrared spectroscopy for studying the chemical reactivity of lead chromate-based pigments in oil medium. Microchemical Journal, 2016, 124, 272-282.	2.3	48
52	Interpretation of mid and near-infrared reflection properties of synthetic polymer paints for the non-invasive assessment of binding media in twentieth-century pictorial artworks. Microchemical Journal, 2016, 124, 898-908.	2.3	63
53	UVâ€“Vis-NIR and micro Raman spectroscopies for the non destructive identification of Cd 1â^'x Zn x S solid solutions in cadmium yellow pigments. Microchemical Journal, 2016, 124, 856-867.	2.3	68
54	A nonâ€invasive NMR relaxometric characterization of the cyclododecaneâ€“solvent system inside porous substrates. Magnetic Resonance in Chemistry, 2015, 53, 27-33.	1.1	9

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55	MOLAB^{Â®}meets Persia: Non-invasive study of a sixteenth-century illuminated manuscript. Studies in Conservation, 2015, 60, S185-S192.	0.6	24
56	DFT/TDDFT investigation on the UV-vis absorption and fluorescence properties of alizarin dye. Physical Chemistry Chemical Physics, 2015, 17, 6374-6382.	1.3	47
57	Full spectral XANES imaging using the Maia detector array as a new tool for the study of the alteration process of chrome yellow pigments in paintings by Vincent van Gogh. Journal of Analytical Atomic Spectrometry, 2015, 30, 613-626.	1.6	40
58	Synchrotron-based X-ray spectromicroscopy and electron paramagnetic resonance spectroscopy to investigate the redox properties of lead chromate pigments under the effect of visible light. Journal of Analytical Atomic Spectrometry, 2015, 30, 1500-1510.	1.6	25
59	Evidence for Degradation of the Chrome Yellows in Vanâ€...Goghâ€™s Sunflowers: A Study Using Noninvasive Inâ€...Situ Methods and Synchrotronâ€Radiationâ€Based Xâ€ray Techniques. Angewandte Chemie - International Edition, 2015, 54, 13923-13927.	7.2	52
60	A non-invasive investigation of cyclododecane kinetics in porous matrices by near-infrared spectroscopy and NMR in-depth profilometry. Journal of Cultural Heritage, 2015, 16, 151-158.	1.5	5
61	A vibrational spectroscopic and principal component analysis of triarylmethane dyes by comparative laboratory and portable instrumentation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 292-305.	2.0	25
62	Non-invasive investigation of a pre-Hispanic Maya screenfold book: the Madrid Codex. Journal of Archaeological Science, 2014, 42, 166-178.	1.2	28
63	Raman study of different crystalline forms of PbCrO₄ and PbCr_{1â"x}S_xO₄ solid solutions for the noninvasive identification of chrome yellows in paintings: a focus on works by Vincent van Gogh. Journal of Raman Spectroscopy, 2014, 45, 1034-1045.	1.2	58
64	Surface enhanced Raman spectroscopic investigation of orchil dyed wool from Roccella tinctoria and Lasallia pustulata. Journal of Raman Spectroscopy, 2014, 45, 723-729.	1.2	21
65	Monitoring of optimized SERS active gel substrates for painting and paper substrates by unilateral NMR profilometry. Journal of Raman Spectroscopy, 2014, 45, 1153-1159.	1.2	26
66	Assessment of a multi-technical non-invasive approach for the typology of inks, dyes and pigments in two 19th century's ancient manuscripts of Morocco. Vibrational Spectroscopy, 2014, 74, 47-56.	1.2	17
67	Degradation Process of Lead Chromate in Paintings by Vincent van Gogh Studied by Means of Spectromicroscopic Methods. Part 5. Effects of Nonoriginal Surface Coatings into the Nature and Distribution of Chromium and Sulfur Species in Chrome Yellow Paints. Analytical Chemistry, 2014, 86, 10804-10811.	3.2	32
68	The Book of Kells: A non-invasive MOLAB investigation by complementary spectroscopic techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 330-336.	2.0	33
69	Study of Raman scattering and luminescence properties of orchil dye for its nondestructive identification on artworks. Journal of Raman Spectroscopy, 2013, 44, 1451-1456.	1.2	21
70	Non-invasive multi-technique investigation of artworks: A new tool for on-the-spot data documentation and analysis. Journal of Cultural Heritage, 2013, 14, 23-30.	1.5	25
71	Mapping of egg yolk and animal skin glue paint binders in Early Renaissance paintings using near infrared reflectance imaging spectroscopy. Analyst, The, 2013, 138, 4838.	1.7	117
72	Non-invasive identification of metal-oxalate complexes on polychrome artwork surfaces by reflection mid-infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 270-280.	2.0	78

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73	Mid-infrared hyperspectral imaging of painting materials. Proceedings of SPIE, 2013, , .	0.8	4
74	Degradation Process of Lead Chromate in Paintings by Vincent van Gogh Studied by Means of Spectromicroscopic Methods. 4. Artificial Aging of Model Samples of Co-Precipitates of Lead Chromate and Lead Sulfate. Analytical Chemistry, 2013, 85, 860-867.	3.2	69
75	Materials and Techniques of Twentieth Century Argentinean Murals. Procedia Chemistry, 2013, 8, 221-230.	0.7	6
76	Degradation Process of Lead Chromate in Paintings by Vincent van Gogh Studied by Means of Spectromicroscopic Methods. 3. Synthesis, Characterization, and Detection of Different Crystal Forms of the Chrome Yellow Pigment. Analytical Chemistry, 2013, 85, 851-859.	3.2	92
77	In-situ identification of copper-based green pigments on paintings and manuscripts by reflection FTIR. Analytical and Bioanalytical Chemistry, 2013, 405, 2699-2711.	1.9	77
78	The Use of Synchrotron Radiation for the Characterization of Artists' Pigments and Paintings. Annual Review of Analytical Chemistry, 2013, 6, 399-425.	2.8	63
79	Evaluation of the effect of different paint cross section preparation methods on the performances of Fourier transformed infrared microscopy in total reflection mode. Microchemical Journal, 2013, 110, 314-319.	2.3	17
80	Scientific Investigation of an Important Corpus of Picasso Paintings in Antibes: New Insights into Technique, Condition, and Chronological Sequence. Journal of the American Institute for Conservation, 2013, 52, 184-204.	0.2	25
81	Noninvasive Analysis of Paintings by Midâ€infrared Hyperspectral Imaging. Angewandte Chemie - International Edition, 2013, 52, 5258-5261.	7.2	75
82	The Degradation Process of Lead Chromate Yellows in Paintings by Vincent van Gogh. Microscopy and Microanalysis, 2013, 19, 1424-1425.	0.2	2
83	Raman Mapping in the Scientific Investigations of Works of Art. Springer Series in Optical Sciences, 2012, , 189-217.	0.5	3
84	Photoluminescence Properties of Zinc Oxide in Paints: A Study of the Effect of Self-Absorption and Passivation. Applied Spectroscopy, 2012, 66, 1233-1241.	1.2	45
85	Colouring materials of pre-Columbian codices: non-invasive in situ spectroscopic analysis of the Codex Cospi. Journal of Archaeological Science, 2012, 39, 672-679.	1.2	41
86	Reflection infrared spectroscopy for the non-invasive in situ study of artistsâ€™ pigments. Applied Physics A: Materials Science and Processing, 2012, 106, 295-307.	1.1	210
87	Photochemistry and cultural heritage. What is the impact of light on works of art?. , 2011, , 256-284.		4
88	Photophysical properties of alizarin and purpurin Al(III) complexes in solution and in solid state. Photochemical and Photobiological Sciences, 2011, 10, 1249-1254.	1.6	48
89	Modified Naples yellow in Renaissance majolica: study of Pbâ€“Sbâ€“Zn and Pbâ€“Sbâ€“Fe ternary pyroantimonates by X-ray absorption spectroscopy. Journal of Analytical Atomic Spectrometry, 2011, 26, 2500.	1.6	39
90	Degradation Process of Lead Chromate in Paintings by Vincent van Gogh Studied by Means of Synchrotron X-ray Spectromicroscopy and Related Methods. 1. Artificially Aged Model Samples. Analytical Chemistry, 2011, 83, 1214-1223.	3.2	116

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91	Material analyses of â€˜Christ with singing and music-making Angelsâ€™, a late 15th-C panel painting attributed to Hans Memling and assistants: Part I. non-invasive in situ investigations. Journal of Analytical Atomic Spectrometry, 2011, 26, 2216.	1.6	43
92	Degradation Process of Lead Chromate in Paintings by Vincent van Gogh Studied by Means of Synchrotron X-ray Spectromicroscopy and Related Methods. 2. Original Paint Layer Samples. Analytical Chemistry, 2011, 83, 1224-1231.	3.2	116
93	New portable instrument for combined reflectance, time-resolved and steady-state luminescence measurements on works of art. Proceedings of SPIE, 2011, , .	0.8	7
94	The study of cyclododecane as a temporary coating for marble byÂNMR profilometry and FTIR reflectance spectroscopies. Applied Physics A: Materials Science and Processing, 2011, 104, 401-406.	1.1	16
95	Unilateral NMR, 13C CPMAS NMR spectroscopy and micro-analytical techniques for studying the materials and state of conservation of an ancient Egyptian wooden sarcophagus. Analytical and Bioanalytical Chemistry, 2011, 399, 3117-3131.	1.9	36
96	Multivariate chemical mapping of pigments and binders in easel painting cross-sections by micro IR reflection spectroscopy. Analytical and Bioanalytical Chemistry, 2011, 399, 3133-3145.	1.9	46
97	Tracing the biological origin of animal glues used in paintings through mitochondrial DNA analysis. Analytical and Bioanalytical Chemistry, 2011, 399, 2987-2995.	1.9	12
98	A round robin exercise in archaeometry: analysis of a blind sample reproducing a seventeenth century pharmaceutical ointment. Analytical and Bioanalytical Chemistry, 2011, 401, 1847-1860.	1.9	13
99	Non-invasive and micro-destructive investigation of the Domus Aurea wall painting decorations. Analytical and Bioanalytical Chemistry, 2011, 401, 1815-1826.	1.9	43
100	Raman scattering features of lead pyroantimonate compounds: implication for the nonâ€invasive identification of yellow pigments on ancient ceramics. Part II. In situ characterisation of Renaissance plates by portable microâ€Raman and XRF studies. Journal of Raman Spectroscopy, 2011, 42, 407-414.	1.2	81
101	A detachable SERS active cellulose film: a minimally invasive approach to the study of painting lakes. Journal of Raman Spectroscopy, 2011, 42, 1932-1938.	1.2	68
102	Theoretical and experimental investigation on the spectroscopic properties of indigo dye. Journal of Molecular Structure, 2011, 993, 43-51.	1.8	61
103	A Preliminary Evaluation of the Surfaces of Acrylic Emulsion Paint Films and the Effects of Wet-Cleaning Treatment by Atomic Force Microscopy (AFM). Studies in Conservation, 2011, 56, 216-230.	0.6	23
104	Subtracted shifted Raman spectroscopy of organic dyes and lakes. Journal of Raman Spectroscopy, 2010, 41, 452-458.	1.2	22
105	An integrated spectroscopic approach for the non-invasive study of modern art materials and techniques. Applied Physics A: Materials Science and Processing, 2010, 100, 613-624.	1.1	72
106	Bleaching of red lake paints in encaustic mummy portraits. Applied Physics A: Materials Science and Processing, 2010, 100, 703-711.	1.1	13
107	Advances in Raman mapping of works of art. Journal of Raman Spectroscopy, 2010, 41, 1462-1467.	1.2	43
108	Complexation of apigenin and luteolin in weld lake: a DFT/TDDFT investigation. Physical Chemistry Chemical Physics, 2010, 12, 6672.	1.3	38

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109	Fluorescence Spectroscopy: A Powerful Technique for the Noninvasive Characterization of Artwork. Accounts of Chemical Research, 2010, 43, 837-846.	7.6	127
110	On the Use of Overtone and Combination Bands for the Analysis of the CaSO₄â€"H₂O System by Mid-Infrared Reflection Spectroscopy. Applied Spectroscopy, 2010, 64, 956-963.	1.2	69
111	In Situ Noninvasive Study of Artworks: The MOLAB Multitechnique Approach. Accounts of Chemical Research, 2010, 43, 728-738.	7.6	180
112	Raman scattering features of lead pyroantimonate compounds. Part I: XRD and Raman characterization of Pb₂Sb₂O₇ doped with tin and zinc. Journal of Raman Spectroscopy, 2009, 40, 107-111.	1.2	103
113	Non-invasive identification of organic materials in wall paintings by fiber optic reflectance infrared spectroscopy: a statistical multivariate approach. Analytical and Bioanalytical Chemistry, 2009, 395, 2097-2106.	1.9	70
114	FT-NIR spectroscopy for non-invasive identification of natural polymers and resins in easel paintings. Analytical and Bioanalytical Chemistry, 2009, 395, 2107-2118.	1.9	127
115	A non-invasive XRF study supported by multivariate statistical analysis and reflectance FTIR to assess the composition of modern painting materials. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 71, 1655-1662.	2.0	82
116	In-situ fluorimetry: A powerful non-invasive diagnostic technique for natural dyes used in artefacts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 71, 2057-2062.	2.0	39
117	In situ non-invasive investigation on the painting techniques of early Meissen Stoneware. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 587-592.	2.0	34
118	The application of in situ mid-FTIR fibre-optic reflectance spectroscopy and GCâ€"MS analysis to monitor and evaluate painting cleaning. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 1182-1188.	2.0	30
119	The exceptional near-infrared luminescence properties of cuprorivaite (Egyptian blue). Chemical Communications, 2009, , 3392.	2.2	150
120	Application of the Kubelkaâ€"Munk Correction for Self-Absorption of Fluorescence Emission in Carmine Lake Paint Layers. Applied Spectroscopy, 2009, 63, 1323-1330.	1.2	75
121	Identification of proteins in painting cross-sections by immunofluorescence microscopy. Analytical and Bioanalytical Chemistry, 2008, 392, 57-64.	1.9	45
122	Microanalytical investigation of degradation issues in Byzantine wall paintings. Applied Physics A: Materials Science and Processing, 2008, 92, 143-150.	1.1	33
123	Vibrational and electronic properties of painting lakes. Applied Physics A: Materials Science and Processing, 2008, 92, 25-33.	1.1	118
124	X-ray absorption investigations of copper resinate blackening in a XV century Italian painting. Applied Physics A: Materials Science and Processing, 2008, 92, 243-250.	1.1	41
125	Microâ€Raman spectroscopic study of artificially aged natural and dyed wool. Journal of Raman Spectroscopy, 2008, 39, 638-645.	1.2	20
126	CO2 entrapment in natural ultramarine blue. Chemical Physics Letters, 2008, 466, 148-151.	1.2	58

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127	Portable Equipment for Luminescence Lifetime Measurements on Surfaces. Applied Spectroscopy, 2008, 62, 1395-1399.	1.2	50
128	Noninvasive nuclear magnetic resonance profiling of painting layers. Applied Physics Letters, 2008, 93, 033505.	1.5	62
129	Fiber-Optic Fourier Transform Mid-Infrared Reflectance Spectroscopy: A Suitable Technique for in Situ Studies of Mural Paintings. Applied Spectroscopy, 2007, 61, 293-299.	1.2	65
130	Structural characterization of the glassy phase in majolica glazes by Raman spectroscopy: A comparison between Renaissance samples and replica processed at different temperatures. Journal of Non-Crystalline Solids, 2007, 353, 1054-1059.	1.5	15
131	Efficiency and resistance of the artificial oxalate protection treatment on marble against chemical weathering. Applied Surface Science, 2007, 253, 4477-4484.	3.1	74
132	Particle-modified consolidants: A study on the effect of particles on solâ€“gel properties and consolidation effectiveness. Journal of Cultural Heritage, 2007, 8, 1-6.	1.5	127
133	The combined use of leadâ€“tin yellow type I and II on a canvas painting by Pietro Perugino. Journal of Cultural Heritage, 2007, 8, 65-68.	1.5	23
134	Durability of the artificial calcium oxalate protective on two Florentine monuments. Journal of Cultural Heritage, 2007, 8, 186-192.	1.5	45
135	Microanalytical identification of Pb-Sb-Sn yellow pigment in historical European paintings and its differentiation from lead tin and Naples yellows. Journal of Cultural Heritage, 2007, 8, 377-386.	1.5	72
136	Non-invasive in-situ investigations versus micro-sampling: a comparative study on a Renoirs painting. Applied Physics A: Materials Science and Processing, 2007, 89, 849-856.	1.1	61
137	MOLAB, a Mobile Laboratory for In Situ Non-Invasive Studies in Arts and Archaeology. , 2007, , 453-460.		4
138	Non-invasive identification of surface materials on marble artifacts with fiber optic mid-FTIR reflectance spectroscopy. Talanta, 2006, 69, 1221-1226.	2.9	84
139	In situ fluorimetry: A powerful non-invasive diagnostic technique for natural dyes used in artefacts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 64, 906-912.	2.0	53
140	Monitoring of Pictorial Surfaces by midâ€FTIR Reflectance Spectroscopy: Evaluation of the Performance of Innovative Colloidal Cleaning Agents. Spectroscopy Letters, 2005, 38, 459-475.	0.5	11
141	Investigations of the Decorative Techniques and Conservation Condition of a Majolica Altar by Andrea della Robbia. Materials Research Society Symposia Proceedings, 2004, 852, 202.	0.1	0
142	Spectroscopic investigation of yellow majolica glazes. Journal of Raman Spectroscopy, 2004, 35, 61-67.	1.2	77
143	The Perugino's palette: integration of an extendedin situ XRF study by Raman spectroscopy. Journal of Raman Spectroscopy, 2004, 35, 616-621.	1.2	49
144	Identification of nineteenth century blue and green pigments byin situ x-ray fluorescence and micro-Raman spectroscopy. Journal of Raman Spectroscopy, 2004, 35, 610-615.	1.2	58

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145	Unexpected chromogenic properties of 1,3,3-trimethylspiro(indoline-2,3â€²-[3H]naphtho [2,1-b][1,4]oxazine) in the solid phase: photochromism, piezochromism and acidichromism. New Journal of Chemistry, 2004, 28, 379-386.	1.4	42
146	Fungal colonization on stoneworks. Interaction fungi-powdered stone samples. Annali Di Chimica, 2003, 93, 889-96.	0.6	1
147	Role of protolytic interactions in photo-aging processes of carminic acid and carminic lake in solution and painted layers. Perkin Transactions II RSC, 2002, , 192-197.	1.1	3
148	A new photo-functional material constituted by a spirooxazine supported on a zirconium diphosphonate fluoride. Journal of Materials Chemistry, 2002, 12, 2872-2878.	6.7	17
149	Dependence of the photoemission of amorphous silicon nitride thin films on their composition. Surface and Coatings Technology, 2002, 151-152, 268-271.	2.2	3
150	Spectroscopic study of acrylic resins in solid matrices. Surface and Coatings Technology, 2002, 151-152, 276-280.	2.2	30
151	Oil-in-water microemulsions to solubilize acrylic copolymers: application in cultural heritage conservation. , 2001, , 63-67.		19
152	Acidichromic effects in 1,2-di- and 1,2,4-tri- hydroxyanthraquinones. A spectrophotometric and fluorimetric study. , 2000, 13, 141-150.		103
153	Surface morphology and composition of some â€œlustroâ€•decorated fragments of ancient ceramics from Deruta (Central Italy). Applied Surface Science, 2000, 157, 112-122.	3.1	17
154	Authentication and characterisation of pottery sherds from Apricena (FG). Thermochimica Acta, 1998, 321, 191-195.	1.2	3
155	A spectrophotometric and fluorimetric study of some anthraquinoid and indigoid colorants used in artistic paintings. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 581-588.	2.0	128
156	Photosensitization of photochromism of spiro-indoline-oxazines by camphorquinone. Journal of Photochemistry and Photobiology A: Chemistry, 1996, 97, 45-52.	2.0	11