

Rembrandt's "Saul and David" (c. 1652): Use of multi non-destructive imaging

Microchemical Journal

126, 515-523

DOI: [10.1016/j.microc.2016.01.013](https://doi.org/10.1016/j.microc.2016.01.013)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Micro X-ray Fluorescence Imaging in a Tabletop Full Field-X-ray Fluorescence Instrument and in a Full Field-Particle Induced X-ray Emission End Station. <i>Analytical Chemistry</i> , 2016, 88, 9873-9880.	3.2	23
2	Non-Invasive and Non-Destructive Examination of Artistic Pigments, Paints, and Paintings by Means of X-Ray Methods. <i>Topics in Current Chemistry</i> , 2016, 374, 81.	3.0	41
3	Large-Area Elemental Imaging Reveals Van Eyck's Original Paint Layers on the Ghent Altarpiece (1432), Rescoping Its Conservation Treatment. <i>Angewandte Chemie</i> , 2017, 129, 4875-4879.	1.6	6
4	Simplex Volume Maximization (SiVM): A matrix factorization algorithm with non-negative constrains and low computing demands for the interpretation of full spectral X-ray fluorescence imaging data. <i>Microchemical Journal</i> , 2017, 132, 179-184.	2.3	15
5	Large-Area Elemental Imaging Reveals Van Eyck's Original Paint Layers on the Ghent Altarpiece (1432), Rescoping Its Conservation Treatment. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4797-4801.	7.2	23
6	Atomic spectrometry update: review of advances in the analysis of metals, chemicals and materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2068-2117.	1.6	19
7	2017 atomic spectrometry update – a review of advances in X-ray fluorescence spectrometry and its special applications. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1629-1649.	1.6	24
8	Recent developments in spectroscopic imaging techniques for historical paintings - A review. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 136, 81-105.	1.5	118
9	Artificial orpiment, a new pigment in Rembrandt's palette. <i>Heritage Science</i> , 2017, 5, .	1.0	15
10	Jan Davidsz. de Heem (1606–1684): a technical examination of fruit and flower still lifes combining MA-XRF scanning, cross-section analysis and technical historical sources. <i>Heritage Science</i> , 2017, 5, .	1.0	18
11	Separating two painting campaigns in Saul and David, attributed to Rembrandt, using macroscale reflectance and XRF imaging spectroscopies and microscale paint analysis. <i>Heritage Science</i> , 2018, 6, .	1.0	13
12	Comparing the effectiveness of hyperspectral imaging and Raman spectroscopy: a case study on Armenian manuscripts. <i>Heritage Science</i> , 2018, 6, 42.	1.0	14
13	The sunk-panel book-binding of a Renaissance Venetian Commissione Dogale: the scientific examination of the decoration materials. <i>Heritage Science</i> , 2018, 6, .	1.0	4
14	Micro-XRF analysis of a Brazilian polychrome sculpture. <i>Microchemical Journal</i> , 2019, 149, 104020.	2.3	14
15	A John White Alexander painting: A comparison of imaging technologies for resolving a painting under another painting. <i>Journal of the American Institute for Conservation</i> , 2019, 58, 37-53.	0.2	3
16	Short-wave infrared reflectance hyperspectral imaging for painting investigations: A methodological study. <i>Journal of the American Institute for Conservation</i> , 2019, 58, 16-36.	0.2	15
17	Probing the birthplace of the ‘Epirus school’ of painting: analytical investigation of the Filanthropinon monastery murals – Part I: pigments. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 2821-2836.	0.7	5
18	Reflectance imaging spectroscopy in heritage science. <i>Rivista Del Nuovo Cimento</i> , 2020, 43, 515-566.	2.0	36

#	ARTICLE	IF	CITATIONS
19	Dual mode standoff imaging spectroscopy documents the painting process of the Lamb of God in the Ghent Altarpiece by J. and H. Van Eyck. <i>Science Advances</i> , 2020, 6, eabb3379.	4.7	12
20	Analysis of silver coins from colonial Brazil by hand held XRF and micro-XRF. <i>Applied Radiation and Isotopes</i> , 2020, 166, 109409.	0.7	7
21	A non-invasive multi-technique investigation of Banqueting House Whitehall Rubens ceiling paintings. <i>Microchemical Journal</i> , 2020, 156, 104797.	2.3	10
22	On the blue and green pigments of post-Byzantine Greek icons. <i>Archaeometry</i> , 2020, 62, 774-795.	0.6	14
23	Combination of noninvasive imaging techniques to characterize pigments in Buddhist thangka paintings. <i>X-Ray Spectrometry</i> , 2021, 50, 320-331.	0.9	13
24	Mineralogical interpretation of multispectral images: The case study of the pigments in the frigidarium of the Sarno Baths, Pompeii. <i>Journal of Archaeological Science: Reports</i> , 2021, 35, 102774.	0.2	4
25	At the Core of the Workshop: Novel Aspects of the Use of Blue Smalt in Two Paintings by Cristóbal de Villalpando. <i>Arts</i> , 2021, 10, 25.	0.1	0
26	Cobalt and Associated Impurities in Blue (and Green) Glass, Glaze and Enamel: Relationships between Raw Materials, Processing, Composition, Phases and International Trade. <i>Minerals (Basel)</i> , 2021, 11, 1074.	0.7	10
27	Treating Smalt: A Preliminary SEM-EDX Study of the Effects of Aqueous-based Alkaline Conservation Treatments on Smalt in Wall Paintings. <i>Studies in Conservation</i> , 2023, 68, 68-83.	0.6	4
28	The role of smalt in complex pigment mixtures in Rembrandt's <i>Homer</i> 1663: combining MA-XRF imaging, microanalysis, paint reconstructions and OCT. <i>Heritage Science</i> , 2020, 8, .	1.0	16
29	Glass-based pigments in painting: smalt blue and lead-tin yellow type II. <i>Archaeological and Anthropological Sciences</i> , 2021, 13, 1.	0.7	14
31	X-ray Fluorescence Spectroscopy in Painting Analyses: Undergraduate Classroom, Teaching Laboratory, and Research. <i>ACS Symposium Series</i> , 0, , 135-164.	0.5	0
32	Comparing Practical Spectral Imaging Methods for Cultural Heritage Studio Photography. <i>Journal on Computing and Cultural Heritage</i> , 2023, 16, 1-13.	1.2	1
33	Image Processing Perspectives of X-Ray Fluorescence Data in Cultural Heritage Sciences. <i>IEEE BITS the Information Theory Magazine</i> , 2022, , 1-12.	1.0	0
34	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
35	Non-invasive and Non-destructive Examination of Artists' Pigments, Paints and Paintings by Means of X-Ray Imaging Methods. <i>Cultural Heritage Science</i> , 2022, , 317-357.	0.3	1