

Kathryn A Dooley

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

769
citations

623734

14
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

719
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping of egg yolk and animal skin glue paint binders in Early Renaissance paintings using near infrared reflectance imaging spectroscopy. <i>Analyst, The</i> , 2013, 138, 4838.	3.5	117
2	Transcutaneous Raman Spectroscopy of Murine Bone <i><i>In Vivo</i></i> . <i>Applied Spectroscopy</i> , 2009, 63, 286-295.	2.2	102
3	Visible and infrared imaging spectroscopy of paintings and improved reflectography. <i>Heritage Science</i> , 2016, 4, .	2.3	86
4	Subsurface and Transcutaneous Raman Spectroscopy and Mapping Using Concentric Illumination Rings and Collection with a Circular Fiber-Optic Array. <i>Applied Spectroscopy</i> , 2007, 61, 671-678.	2.2	80
5	Complementary Standoff Chemical Imaging to Map and Identify Artist Materials in an Early Italian Renaissance Panel Painting. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13775-13779.	13.8	55
6	Van Gogh's Irises and Roses: the contribution of chemical analyses and imaging to the assessment of color changes in the red lake pigments. <i>Heritage Science</i> , 2017, 5, .	2.3	45
7	Image-guided Raman spectroscopic recovery of canine cortical bone contrast in situ. <i>Optics Express</i> , 2008, 16, 12190.	3.4	38
8	Integrated X-ray fluorescence and diffuse visible-to-near-infrared reflectance scanner for standoff elemental and molecular spectroscopic imaging of paints and works on paper. <i>Heritage Science</i> , 2018, 6, .	2.3	35
9	Macroscopic x-ray powder diffraction imaging reveals Vermeer's discriminating use of lead white pigments in <i><i>Girl with a Pearl Earring</i></i> . <i>Science Advances</i> , 2019, 5, eaax1975.	10.3	35
10	Near-UV to mid-IR reflectance imaging spectroscopy of paintings on the macroscale. <i>Science Advances</i> , 2019, 5, eaaw7794.	10.3	26
11	Standoff chemical imaging finds evidence for Jackson Pollock's selective use of alkyd and oil binding media in a famous "drip" painting. <i>Analytical Methods</i> , 2017, 9, 28-37.	2.7	23
12	Beauty is skin deep: the skin tones of Vermeer's <i><i>Girl with a Pearl Earring</i></i> . <i>Heritage Science</i> , 2019, 7, .	2.3	23
13	A high sensitivity, low noise and high spatial resolution multi-band infrared reflectography camera for the study of paintings and works on paper. <i>Heritage Science</i> , 2017, 5, .	2.3	19
14	Molecular Fluorescence Imaging Spectroscopy for Mapping Low Concentrations of Red Lake Pigments: Van Gogh's Painting <i>The Olive Orchard</i> . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6046-6053.	13.8	14
15	Separating two painting campaigns in <i>Saul and David</i> , attributed to Rembrandt, using macroscale reflectance and XRF imaging spectroscopies and microscale paint analysis. <i>Heritage Science</i> , 2018, 6, .	2.3	13
16	Dual mode standoff imaging spectroscopy documents the painting process of the <i>Lamb of God</i> in the <i><i>Ghent Altarpiece</i></i> by J. and H. Van Eyck. <i>Science Advances</i> , 2020, 6, eabb3379.	10.3	12
17	Standoff Mid-Infrared Emissive Imaging Spectroscopy for Identification and Mapping of Materials in Polychrome Objects. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7341-7345.	13.8	11
18	Revealing Degas's process and material choices in a late pastel on tracing paper with visible-to-near-infrared reflectance imaging spectroscopy. <i>Journal of the American Institute for Conservation</i> , 2019, 58, 108-121.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Molecular Fluorescence Imaging Spectroscopy for Mapping Low Concentrations of Red Lake Pigments: Vanâ€™s Gogh's Painting The Olive Orchard. <i>Angewandte Chemie</i> , 2020, 132, 6102-6109.	2.0	4
20	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.	0.5	3