

# J K Delaney

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5311410/publications.pdf>

Version: 2024-02-01

31  
papers

1,509  
citations

393982

19  
h-index

414034

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1020  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of colourants on illuminated manuscripts by portable fibre optic UV-visible-NIR reflectance spectrophotometry. <i>Analytical Methods</i> , 2014, 6, 1488.	1.3	247
2	Reflectance Hyperspectral Imaging for Investigation of Works of Art: Old Master Paintings and Illuminated Manuscripts. <i>Accounts of Chemical Research</i> , 2016, 49, 2070-2079.	7.6	214
3	Visible and Infrared Imaging Spectroscopy of Picasso's <i>Harlequin Musician</i> : Mapping and Identification of Artist Materials <i>in Situ</i> . <i>Applied Spectroscopy</i> , 2010, 64, 584-594.	1.2	201
4	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
5	Near Infrared Reflectance Imaging Spectroscopy to Map Paint Binders <i>In Situ</i> on Illuminated Manuscripts. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5607-5610.	7.2	90
6	Near-Infrared Luminescence of Cadmium Pigments: <i>In Situ</i> Identification and Mapping in Paintings. <i>Applied Spectroscopy</i> , 2011, 65, 939-951.	1.2	73
7	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.	7.2	55
8	Automatic registration and mosaicking of technical images of Old Master paintings. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1567-1575.	1.1	53
9	Femtosecond pump-probe microscopy generates virtual cross-sections in historic artwork. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1708-1713.	3.3	49
10	Van Gogh's <i>Irises and Roses</i> : the contribution of chemical analyses and imaging to the assessment of color changes in the red lake pigments. <i>Heritage Science</i> , 2017, 5, .	1.0	45
11	Rembrandt's <i>Saul and David</i> (c. 1652): Use of multiple types of smalt evidenced by means of non-destructive imaging. <i>Microchemical Journal</i> , 2016, 126, 515-523.	2.3	38
12	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, .	1.0	35
13	Macroscopic x-ray powder diffraction imaging reveals Vermeer's discriminating use of lead white pigments in <i>Girl with a Pearl Earring</i> . <i>Science Advances</i> , 2019, 5, eaax1975.	4.7	35
14	Near-UV to mid-IR reflectance imaging spectroscopy of paintings on the macroscale. <i>Science Advances</i> , 2019, 5, eaaw7794.	4.7	26
15	Use of Imaging Spectroscopy and <i>in situ</i> Analytical Methods for the Characterization of the Materials and Techniques of 15th Century Illuminated Manuscripts. <i>Journal of the American Institute for Conservation</i> , 2013, 52, 13-29.	0.2	24
16	Standoff chemical imaging finds evidence for Jackson Pollock's selective use of alkyd and oil binding media in a famous <i>drip</i> painting. <i>Analytical Methods</i> , 2017, 9, 28-37.	1.3	23
17	Beauty is skin deep: the skin tones of Vermeer's <i>Girl with a Pearl Earring</i> . <i>Heritage Science</i> , 2019, 7, .	1.0	23
18	Towards automatic classification of diffuse reflectance image cubes from paintings collected with hyperspectral cameras. <i>Microchemical Journal</i> , 2020, 157, 104934.	2.3	23

#	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 - International Edition</i> , 2020, 59, 6046-6053.	7.2	14
20	Reflectance Imaging Spectroscopy (RIS) for Operation Night Watch: Challenges and Achievements of Imaging Rembrandtâ€™s Masterpiece in the Glass Chamber at the Rijksmuseum. <i>Sensors</i> , 2021, 21, 6855.	2.1	14
21	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
22	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
23	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.	7.2	11
24	Identification and mapping of ancient pigments in a Roman Egyptian funerary portrait by application of reflectance and luminescence imaging spectroscopy. <i>Heritage Science</i> , 2022, 10, .	1.0	10
25	Imaging spectroscopies to characterize a 13th century Japanese handscroll, The Miraculous Interventions of Jizâ€™s Bosatsu. <i>Heritage Science</i> , 2021, 9, .	1.0	9
26	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.	1.6	4
27	Pablo Picassoâ€™s Mother and Child by the Sea (1902): A report on the hyperspectral near-infrared reflectance imaging survey of Picassoâ€™s newspaper use. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	3
28	Acquisition of High Spectral Resolution Diffuse Reflectance Image Cubes (350â€“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
29	Use of standard analytical tools to detect small amounts of smalt in the presence of ultramarine as observed in 15th-century Venetian illuminated manuscripts. <i>Heritage Science</i> , 2022, 10, .	1.0	3
30	Standoff Mid-Infrared Emissive Imaging Spectroscopy for Identification and Mapping of Materials in Polychrome Objects. <i>Angewandte Chemie</i> , 2018, 130, 7463-7467.	1.6	1
31	Innenrâ€™cktitelbild: Standoff Mid-Infrared Emissive Imaging Spectroscopy for Identification and Mapping of Materials in Polychrome Objects ( <i>Angew. Chem.</i> 25/2018). <i>Angewandte Chemie</i> , 2018, 130, 7655-7655.	1.6	0