J K Delaney

List of Publications by Year in descending order

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

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31	1,509	393982	414034
papers	citations	19 h-index	32 g-index

34	34	34	1020
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification and mapping of ancient pigments in a Roman Egyptian funerary portrait by application of reflectance and luminescence imaging spectroscopy. Heritage Science, 2022, 10, .	1.0	10
2	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. Sensors, 2022, 22, 1915.	2.1	3
3	Use of standard analytical tools to detect small amounts of smalt in the presence of ultramarine as observed in 15th-century Venetian illuminated manuscripts. Heritage Science, 2022, 10, .	1.0	3
4	Imaging spectroscopies to characterize a 13th century Japanese handscroll, The Miraculous Interventions of JizÅ•Bosatsu. Heritage Science, 2021, 9, .	1.0	9
5	Reflectance Imaging Spectroscopy (RIS) for Operation Night Watch: Challenges and Achievements of Imaging Rembrandtâ€™s Masterpiece in the Glass Chamber at the Rijksmuseum. Sensors, 2021, 21, 6855.	2.1	14
6	Dual mode standoff imaging spectroscopy documents the painting process of the Lamb of God in the Ghent Altarpiece by J. and H. Van Eyck. Science Advances, 2020, 6, eabb3379.	4.7	12
7	Pablo Picassoâ€™s Mother and Child by the Sea (1902):Âreport on the hyperspectral near-infrared reflectance imaging survey of Picassoâ€™s newspaper use. SN Applied Sciences, 2020, 2, 1.	1.5	3
8	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
9	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
10	Towards automatic classification of diffuse reflectance image cubes from paintings collected with hyperspectral cameras. Microchemical Journal, 2020, 157, 104934.	2.3	23
11	Near-UV to mid-IR reflectance imaging spectroscopy of paintings on the macroscale. Science Advances, 2019, 5, eaaw7794.	4.7	26
12	Macroscopic x-ray powder diffraction imaging reveals Vermeerâ€™s discriminating use of lead white pigments in Girl with a Pearl Earring. Science Advances, 2019, 5, eaax1975.	4.7	35
13	Beauty is skin deep: the skin tones of Vermeerâ€™s Girl with a Pearl Earring. Heritage Science, 2019, 7, .	1.0	23
14	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. Heritage Science, 2018, 6, .	1.0	35
15	Separating two painting campaigns in Saul and David, attributed to Rembrandt, using macroscale reflectance and XRF imaging spectroscopies and microscale paint analysis. Heritage Science, 2018, 6, .	1.0	13
16	Standoff Midâ€Infrared Emissive Imaging Spectroscopy for Identification and Mapping of Materials in Polychrome Objects. Angewandte Chemie, 2018, 130, 7463-7467.	1.6	1
17	InnenrÃ¼cktitelbild: Standoff Mid-Infrared Emissive Imaging Spectroscopy for Identification and Mapping of Materials in Polychrome Objects (Angew. Chem. 25/2018). Angewandte Chemie, 2018, 130, 7655-7655.	1.6	0
18	Standoff Midâ€Infrared Emissive Imaging Spectroscopy for Identification and Mapping of Materials in Polychrome Objects. Angewandte Chemie - International Edition, 2018, 57, 7341-7345.	7.2	11

#	Article	IF	Citations
19	Van Goghâ€™s Irises and Roses: the contribution of chemical analyses and imaging to the assessment of color changes in the red lake pigments. Heritage Science, 2017, 5, .	1.0	45
20	Standoff chemical imaging finds evidence for Jackson Pollock's selective use of alkyd and oil binding media in a famous â€˜dripâ€™ painting. Analytical Methods, 2017, 9, 28-37.	1.3	23
21	Reflectance Hyperspectral Imaging for Investigation of Works of Art: Old Master Paintings and Illuminated Manuscripts. Accounts of Chemical Research, 2016, 49, 2070-2079.	7.6	214
22	Rembrandt's â€˜Saul and Davidâ€™ (c. 1652): Use of multiple types of smalt evidenced by means of non-destructive imaging. Microchemical Journal, 2016, 126, 515-523.	2.3	38
23	Automatic registration and mosaicking of technical images of Old Master paintings. Applied Physics A: Materials Science and Processing, 2015, 119, 1567-1575.	1.1	53
24	Complementary Standoff Chemical Imaging to Map and Identify Artist Materials in an Early Italian Renaissance Panel Painting. Angewandte Chemie - International Edition, 2014, 53, 13775-13779.	7.2	55
25	Femtosecond pump-probe microscopy generates virtual cross-sections in historic artwork. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1708-1713.	3.3	49
26	Characterisation of colourants on illuminated manuscripts by portable fibre optic UV-visible-NIR reflectance spectrophotometry. Analytical Methods, 2014, 6, 1488.	1.3	247
27	Use of imaging spectroscopy, fiber optic reflectance spectroscopy, and X-ray fluorescence to map and identify pigments in illuminated manuscripts. Studies in Conservation, 2014, 59, 91-101.	0.6	127
28	Use of Imaging Spectroscopy and in situ Analytical Methods for the Characterization of the Materials and Techniques of 15th Century Illuminated Manuscripts. Journal of the American Institute for Conservation, 2013, 52, 13-29.	0.2	24
29	Near Infrared Reflectance Imaging Spectroscopy to Map Paint Binders In Situ on Illuminated Manuscripts. Angewandte Chemie - International Edition, 2012, 51, 5607-5610.	7.2	90
30	Near-Infrared Luminescence of Cadmium Pigments: In Situ Identification and Mapping in Paintings. Applied Spectroscopy, 2011, 65, 939-951.	1.2	73
31	Visible and Infrared Imaging Spectroscopy of Picasso's Harlequin Musician: Mapping and Identification of Artist Materials in Situ. Applied Spectroscopy, 2010, 64, 584-594.	1.2	201