

S De Meyer

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

245
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the chemistry of CdS paints in <i>The Scream</i> by in situ noninvasive spectroscopies and synchrotron radiation x-ray techniques. <i>Science Advances</i> , 2020, 6, eaay3514.	10.3	41
2	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.	10.3	35
3	Macroscopic X-ray Powder Diffraction Scanning, a New Method for Highly Selective Chemical Imaging of Works of Art: Instrument Optimization. <i>Analytical Chemistry</i> , 2018, 90, 6436-6444.	6.5	30
4	Role of the Relative Humidity and the Cd/Zn Stoichiometry in the Photooxidation Process of Cadmium Yellows (CdS/Cd _{1-x} Zn _x S) in Oil Paintings. <i>Chemistry - A European Journal</i> , 2018, 24, 11584-11593.	3.3	27
5	Beauty is skin deep: the skin tones of Vermeer's <i>Girl with a Pearl Earring</i> . <i>Heritage Science</i> , 2019, 7, .	2.3	23
6	Insights into the composition of ancient Egyptian red and black inks on papyri achieved by synchrotron-based microanalyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27825-27835.	7.1	23
7	Imaging secondary reaction products at the surface of Vermeer's <i>Girl with the Pearl Earring</i> by means of macroscopic X-ray powder diffraction scanning. <i>Heritage Science</i> , 2019, 7, .	2.3	23
8	Novel optical photothermal infrared (O-PTIR) spectroscopy for the noninvasive characterization of heritage glass-metal objects. <i>Science Advances</i> , 2022, 8, eabl6769.	10.3	18
9	Development of a multi-method analytical approach based on the combination of synchrotron radiation X-ray micro-analytical techniques and vibrational micro-spectroscopy methods to unveil the causes and mechanism of darkening of "fake-gilded" decorations in a Cimabue painting. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 114-129.	3.0	10
10	Reviving degraded colors of yellow flowers in 17th century still life paintings with macro- and microscale chemical imaging. <i>Science Advances</i> , 2022, 8, .	10.3	9
11	Geranium lake pigments: The role of the synthesis on the structure and composition. <i>Dyes and Pigments</i> , 2021, 189, 109260.	3.7	6