

Mathieu Thoury

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,084
citations

567281

15
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

1060
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro to Nano: Multiscale IR Analyses Reveal Zinc Soap Heterogeneity in a 19th-Century Painting by Corot. <i>Analytical Chemistry</i> , 2022, 94, 3103-3110.	6.5	18
2	X-ray Fluorescence Spectroscopy of Picrolite Raw Material on Cyprus. <i>Heritage</i> , 2022, 5, 664-677.	1.9	1
3	Degradation of historical paper induced by synchrotron X-ray technical examination. <i>Cellulose</i> , 2022, 29, 4347-4364.	4.9	6
4	Pushing Raman spectroscopy over the edge: purported signatures of organic molecules in fossil animals are instrumental artefacts. <i>BioEssays</i> , 2021, 43, e2000295.	2.5	23
5	Deciphering the Chemistry of Cultural Heritage: Targeting Material Properties by Coupling Spectral Imaging with Image Analysis. <i>Accounts of Chemical Research</i> , 2021, 54, 2823-2832.	15.6	10
6	In-place molecular preservation of cellulose in 5,000-year-old archaeological textiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19670-19676.	7.1	26
7	X-ray Nanospectroscopy Reveals Binary Defect Populations in Sub-micrometric ZnO Crystallites. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12596-12605.	3.1	6
8	Short- and Long-Term Effects of X-ray Synchrotron Radiation on Cotton Paper. <i>Biomacromolecules</i> , 2020, 21, 2795-2807.	5.4	8
9	The issue of eosin fading: A combined spectroscopic and mass spectrometric approach applied to historical lakes. <i>Dyes and Pigments</i> , 2020, 180, 108436.	3.7	14
10	Synchrotron Deep-UV Photoluminescence Imaging for the Submicrometer Analysis of Chemically Altered Zinc White Oil Paints. <i>Analytical Chemistry</i> , 2019, 91, 14887-14895.	6.5	14
11	Revealing the Distribution of Metal Carboxylates in Oil Paint from the Micro- to Nanoscale. <i>Angewandte Chemie</i> , 2019, 131, 11778-11782.	2.0	7
12	Revealing the Distribution of Metal Carboxylates in Oil Paint from the Micro- to Nanoscale. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11652-11656.	13.8	28
13	Glow in the dark: Use of synchrotron μ XRF trace elemental mapping and multispectral macro-imaging on fossils from the Paris Biota (Bear Lake County, Idaho, USA). <i>Geobios</i> , 2019, 54, 71-79.	1.4	12
14	Synchrotron-Based Phase Mapping in Corroded Metals: Insights from Early Copper-Base Artifacts. <i>Analytical Chemistry</i> , 2019, 91, 1815-1825.	6.5	15
15	Microspectroscopic Investigation of Metal Soaps in Oil Paintings--a Case Study on late 19th Century		

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19	Experimental study on merits of virtual cleaning of paintings with aged varnish. <i>Optics Express</i> , 2015, 23, 33836.	3.4	14
20	Radiation damages during synchrotron X-ray micro-analyses of Prussian blue and zinc white historic paintings: detection, mitigation and integration. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 121, 949-955.	2.3	22
21	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.	1.1	127
22	Ancient materials specificities for their synchrotron examination and insights into their epistemological implications. <i>Journal of Cultural Heritage</i> , 2013, 14, 277-289.	3.3	26
23	A multiscale photoluminescence approach to discriminate among semiconducting historical zinc white pigments. <i>Analyst, The</i> , 2013, 138, 4463.	3.5	39
24	Development and trends in synchrotron studies of ancient and historical materials. <i>Physics Reports</i> , 2012, 519, 51-96.	25.6	125
25	Cultural heritage and archaeology materials studied by synchrotron spectroscopy and imaging. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 377-396.	2.3	87
26	Synchrotron UV-Visible Multispectral Luminescence Microimaging of Historical Samples. <i>Analytical Chemistry</i> , 2011, 83, 1737-1745.	6.5	52
27	Near-Infrared Luminescence of Cadmium Pigments: In Situ Identification and Mapping in Paintings. <i>Applied Spectroscopy</i> , 2011, 65, 939-951.	2.2	73
28	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.	2.2	201
29	Excitation emission and time-resolved fluorescence spectroscopy of selected varnishes used in historical musical instruments. <i>Talanta</i> , 2009, 80, 286-293.	5.5	32
30	Nondestructive Varnish Identification by Ultraviolet Fluorescence Spectroscopy. <i>Applied Spectroscopy</i> , 2007, 61, 1275-1282.	2.2	42
31	Bi-directional reflectance of a varnished painting. <i>Optics Communications</i> , 2004, 231, 25-33.	2.1	13