

Steven Saverwyns

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

695
citations

623734

14
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of synthetic organic pigments: the role of a comprehensive digital Raman spectral library. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1536-1544.	2.5	106
2	Microplastic contamination in gudgeons (<i>Gobio gobio</i>) from Flemish rivers (Belgium). <i>Environmental Pollution</i> , 2019, 244, 675-684.	7.5	95
3	Tryptic peptide analysis of protein binders in works of art by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 658, 156-162.	5.4	58
4	Speciation of Six Arsenic Compounds Using High-performance Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry With Sample Introduction by Thermospray Nebulization. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 1047-1052.	3.0	57
5	Comparison of the application of higher mass resolution and cool plasma conditions to avoid spectral interferences in Cr(III)/Cr(VI) speciation by means of high-performance liquid chromatography-tandem inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2000, 419, 55-64.	5.4	54
6	Macro X-ray fluorescence scanning (MA-XRF) as tool in the authentication of paintings. <i>Microchemical Journal</i> , 2018, 137, 139-147.	4.5	51
7	Classification of protein binders in artist's paints by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry: an evaluation of principal component analysis (PCA) and soft independent modelling of class analogy (SIMCA). <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1631-1640.	1.5	49
8	Russian avant-garde or not? A micro-Raman spectroscopy study of six paintings attributed to Liubov Popova. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1525-1532.	2.5	35
9	Identification by Raman spectroscopy of pararealgar as a starting material in the synthesis of amorphous arsenic sulfide pigments. <i>Dyes and Pigments</i> , 2018, 149, 290-297.	3.7	30
10	Identification of protein binders in works of art by high-performance liquid chromatography-tandem diode array detector analysis of their tryptic digests. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1991-1999.	3.7	21
11	Evaluation of a commercially available microbore anion exchange column for chromium speciation with detection by ICP-mass spectrometry and hyphenation with microconcentric nebulization. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 363, 490-494.	1.5	19
12	Micro-analytical identification of the components of varnishes from South Italian historical musical instruments by PLM, ESEM-EDX, microFTIR, GC-MS, and Py-GC-MS. <i>Microchemical Journal</i> , 2014, 116, 31-40.	4.5	19
13	Improved radiocarbon analyses of modern human hair to determine the year of death by cross-flow nanofiltered amino acids: common contaminants, implications for isotopic analysis, and recommendations. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1765-1773.	1.5	15
14	Non-destructive micro-Raman and X-ray fluorescence spectroscopy on pre-Eyckian works of art-verification with the results obtained by destructive methods. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 1035-1045.	2.5	14
15	The analysis of European lacquer: optimization of thermochemolysis temperature of natural resins. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	12
16	Development of a dedicated peptide tandem mass spectral library for conservation science. <i>Analytica Chimica Acta</i> , 2012, 728, 39-48.	5.4	11
17	Micro-X-Ray Fluorescence and the Old Masters. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 197-202.	2.3	11
18	Food and Soot: Organic Residues On Outer Pottery Surfaces. <i>Radiocarbon</i> , 2017, 59, 1609-1621.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Nontargeted Pattern Recognition in the Search for Pyrolysis Gas Chromatography/Mass Spectrometry Resin Markers in Historic Lacquered Objects. <i>Analytical Chemistry</i> , 2019, 91, 7131-7138.	6.5	10
20	¹⁴ C-dating of the skeleton remains and the content of the lead coffin attributed to the Blessed Idesbald (Abbey of the Dunes, Koksijde, Belgium). <i>Journal of Archaeological Science: Reports</i> , 2016, 5, 276-284.	0.5	7
21	Black Lacquered <i>Papier-mâché</i> and Turned Wooden Furniture: Unravelling the Art History, Technology and Chemistry of the 19th-Century Japanning Industry. <i>Studies in Conservation</i> , 2019, 64, S31-S44.	1.1	5
22	Japanning in Spa at the End of the Seventeenth Century to the Middle of the Eighteenth Century: Historical Context and Materials for Lacqueredbois de Spa. <i>Studies in Conservation</i> , 2019, 64, S14-S30.	1.1	2
23	Quality control of natural resins used in historical European lacquer reconstructions with some reflections on the composition of sandarac resin (<i>Tetraclinis articulata</i> (Vahl) Mast.). <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 158, 105159.	5.5	2
24	Chapter 5. Separation Techniques in Archaeometry. , 2012, , 132-162.		1
25	The analysis of European lacquer: optimization of thermochemolysis temperature of natural resins. , 2017, , 103-110.		0