

Francesco Paolo Romano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9542377/publications.pdf>

Version: 2024-02-01

35
papers

725
citations

516710

16
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

742
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time elemental imaging of large dimension paintings with a novel mobile macro X-ray fluorescence (MA-XRF) scanning technique. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 773-781.	3.0	91
2	Temperatures of Exploding Nuclei. <i>Physical Review Letters</i> , 1998, 80, 3928-3931.	7.8	72
3	Macro and Micro Full Field X-Ray Fluorescence with an X-Ray Pinhole Camera Presenting High Energy and High Spatial Resolution. <i>Analytical Chemistry</i> , 2014, 86, 10892-10899.	6.5	67
4	Non-destructive characterization of Della Robbia sculptures at the Bargello museum in Florence by the combined use of PIXE and XRF portable systems. <i>Journal of Cultural Heritage</i> , 2004, 5, 183-188.	3.3	50
5	Fragment Kinetic Energies and Modes of Fragment Formation. <i>Physical Review Letters</i> , 2000, 84, 4557-4560.	7.8	48
6	Study of foxing stains on paper by chemical methods, infrared spectroscopy, micro-X-ray fluorescence spectrometry and laser induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 1235-1249.	2.9	40
7	Dynamical emission and isotope thermometry. <i>Physical Review C</i> , 1998, 58, R2636-R2639.	2.9	32
8	Non-destructive determination of the silver content in Roman coins (nummi), dated to 308â€“311 A.D., by the combined use of PIXE-alpha, XRF and DPAA techniques. <i>Microchemical Journal</i> , 2011, 97, 286-290.	4.5	32
9	The Improved Lns Pixe-Alpha Portable System: Archaeometric Applications*. <i>Archaeometry</i> , 2003, 45, 333-339.	1.3	31
10	Quantitative non-destructive determination of trace elements in archaeological pottery using a portable beam stability-controlled XRF spectrometer. <i>X-Ray Spectrometry</i> , 2006, 35, 1-7.	1.4	31
11	In situ investigation of the surface silvering of late Roman coins by combined use of high energy broad-beam and low energy micro-beam X-ray fluorescence techniques. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 73, 13-19.	2.9	23
12	Micro X-ray Fluorescence Imaging in a Tabletop Full Field-X-ray Fluorescence Instrument and in a Full Field-Particle Induced X-ray Emission End Station. <i>Analytical Chemistry</i> , 2016, 88, 9873-9880.	6.5	23
13	Real-time MA-XRF imaging spectroscopy of the Virgin with the Child painted by Antonello de Saliba in 1497. <i>Microchemical Journal</i> , 2018, 140, 96-104.	4.5	23
14	Identification of forgeries in historical enamels by combining the non-destructive scanning XRF imaging and alpha-PIXE portable techniques. <i>Microchemical Journal</i> , 2016, 124, 241-246.	4.5	22
15	A new portable XRF spectrometer with beam stability control. <i>X-Ray Spectrometry</i> , 2005, 34, 135-139.	1.4	21
16	A new X-ray pinhole camera for energy dispersive X-ray fluorescence imaging with high-energy and high-spatial resolution. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 86, 60-65.	2.9	17
17	Macro X-ray fluorescence and VNIR hyperspectral imaging in the investigation of two panels by Marco d'Oggiono. <i>Microchemical Journal</i> , 2020, 154, 104541.	4.5	15
18	Study of two largeâ€“dimension Murillo's paintings by means of macro X-ray fluorescence imaging, point X-ray fluorescence analysis, and stratigraphic studies. <i>X-Ray Spectrometry</i> , 2019, 48, 482-489.	1.4	14

#	ARTICLE	IF	CITATIONS
19	ELIMED: a new hadron therapy concept based on laser driven ion beams. Proceedings of SPIE, 2013, , ,	0.8	13
20	A new version of a portable polonium source for the non-destructive PIXE (particle induced X-ray) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.5	11
21	Preface to the special issue on: MA-XRF â€œdevelopments and applications of macroâ€œXRF in conservation, art, and archeologyâ€œ (Trieste, Italy, 24 and 25 September 2017). X-Ray Spectrometry, 2019, 48, 249-250.	1.4	7
22	New discoveries on Leonardo da Vinci drawings. Microchemical Journal, 2020, 157, 104844.	4.5	7
23	â€œCostruzione del viadottoâ€œ<scp>MA-XRF</scp> in the pictorial executive technique of Agostino Bosia. X-Ray Spectrometry, 2021, 50, 253-262.	1.4	6
24	Below the surface of the coffin lid of Neskhonsuennekhy in the Museo Egizio collection. X-Ray Spectrometry, 2021, 50, 279-292.	1.4	6
25	Complementary MA-XRF and $\frac{1}{4}$ Raman results on two Leonardo da Vinci drawings. X-Ray Spectrometry, 2021, 50, 401-409.	1.4	5
26	IR Reflectography, Pulse-Compression Thermography, MA-XRF, and Radiography: A Full-Thickness Study of a 16th-Century Panel Painting Copy of Raphael. Journal of Imaging, 2022, 8, 150.	3.0	5
27	Determining old Chinese non-circulating paper moneyâ€™s authenticity using $\frac{1}{4}$ -Raman and MA-XRF spectroscopies. Journal of Cultural Heritage, 2020, 46, 140-147.	3.3	4
28	In situ macro <scp>X-Ray</scp> fluorescence scanning on a Leonardo da Vinci portrait. X-Ray Spectrometry, 2021, 50, 332-340.	1.4	4
29	Macroscopic XRF imaging in unravelling polychromy on Mycenaean wall-paintings from the Palace of Nestor at Pylos. Journal of Archaeological Science: Reports, 2020, 29, 102079.	0.5	3
30	On the Titianâ€™s self-portrait mentioned by Vasari with technical analysis of an anonymous painting. Journal of Cultural Heritage, 2021, 47, 265-269.	3.3	1
31	EXPERIMENTAL CHARACTERIZATION OF AN OVERDENSE PLASMA IN A COMPACT ION SOURCE. Acta Polytechnica, 2015, 55, 146-149.	0.6	1
32	Salerno Exultet: its characterization by Raman and PIXE- $\frac{1}{2}$ analyses. , 2001, , ,		0
33	Scientific study of the bozzetto of Murilloâ€™s painting â€œMoses and the water from the rock of Horebâ€œ. Rendiconti Lincei, 2020, 31, 795-805.	2.2	0
34	MA-XRF and XRD analysis revealing a polychrome Centuripe vase. Journal of Archaeological Science: Reports, 2021, 35, 102760.	0.5	0
35	Noninvasive Imaging and Spectroscopic Techniques Applied In Situ in Museums. , 2022, , 641-672.		0