

Maurizio Aceto

List of Publications by Year in descending order

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99
papers

4,048
citations

136950

32
h-index

118850

62
g-index

102
all docs

102
docs citations

102
times ranked

4321
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of heavy metals on Na-montmorillonite. Effect of pH and organic substances. <i>Water Research</i> , 2003, 37, 1619-1627.	11.3	608
2	Characterisation of colourants on illuminated manuscripts by portable fibre optic UV-visible-NIR reflectance spectrophotometry. <i>Analytical Methods</i> , 2014, 6, 1488.	2.7	247
3	Adsorption of heavy metals on vermiculite: Influence of pH and organic ligands. <i>Journal of Colloid and Interface Science</i> , 2006, 299, 537-546.	9.4	242
4	Uptake of antitumor platinum(II)-complexes by cancer cells, assayed by inductively coupled plasma mass spectrometry (ICP-MS). <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 73-78.	3.5	217
5	Heavy metals in agricultural soils from Piedmont, Italy. Distribution, speciation and chemometric data treatment. <i>Chemosphere</i> , 2002, 49, 545-557.	8.2	193
6	Statistical investigation of the differences in the distribution of metals in Nebbiolo-based wines. <i>Food Chemistry</i> , 2003, 81, 621-630.	8.2	128
7	Identification of dyestuffs in historical textiles: Strong and weak points of a non-invasive approach. <i>Dyes and Pigments</i> , 2013, 98, 136-145.	3.7	116
8	ICP-MS ANALYSIS OF GLASS FRAGMENTS OF PARTHIAN AND SASANIAN EPOCH FROM SELEUCIA AND VEH ARDAËR (CENTRAL IRAQ)*. <i>Archaeometry</i> , 2008, 50, 429-450.	1.3	112
9	Determination of metals in wine with atomic spectroscopy (flame-AAS, GF-AAS and ICP-AES); a review. <i>Food Additives and Contaminants</i> , 2002, 19, 126-133.	2.0	99
10	Distribution and mobility of metals in contaminated sites. Chemometric investigation of pollutant profiles. <i>Environmental Pollution</i> , 2002, 119, 177-193.	7.5	93
11	The retention of metal species by different solid sorbents. <i>Analytica Chimica Acta</i> , 2000, 411, 223-237.	5.4	83
12	Analytical methods for determination of anthraquinone dyes in historical textiles: A review. <i>Analytica Chimica Acta</i> , 2019, 1083, 58-87.	5.4	79
13	Classification of Nebbiolo-based wines from Piedmont (Italy) by means of solid-phase microextraction-gas chromatography-mass spectrometry of volatile compounds. <i>Journal of Chromatography A</i> , 2002, 943, 123-137.	3.7	78
14	Authentication and Traceability Study of Hazelnuts from Piedmont, Italy. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 3404-3408.	5.2	76
15	The use of mosses as environmental metal pollution indicators. <i>Chemosphere</i> , 2003, 50, 333-342.	8.2	75
16	Speciation of copper and manganese in milk by solid-phase extraction/inductively coupled plasma-atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 1998, 375, 299-306.	5.4	71
17	First analytical evidences of precious colourants on Mediterranean illuminated manuscripts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 235-245.	3.9	66
18	Ion chromatographic separation and on-line cold vapour atomic absorption spectrometric determination of methylmercury, ethylmercury and inorganic mercury. <i>Analytica Chimica Acta</i> , 1994, 284, 661-667.	5.4	60

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19	Assessment of Metal Availability in a Contaminated Soil by Sequential Extraction. <i>Water, Air, and Soil Pollution</i> , 2006, 173, 315-338.	2.4	58
20	Combined use of FORS, XRF and Raman spectroscopy in the study of mural paintings in the Aosta Valley (Italy). <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 2005-2013.	3.7	58
21	Screening for heavy metal accumulators amongst autochthonous plants in a polluted site in Italy. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1988-1997.	6.0	55
22	A traceability study on the Moscato wine chain. <i>Food Chemistry</i> , 2013, 138, 1914-1922.	8.2	55
23	Non invasive analysis of miniature paintings: Proposal for an analytical protocol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 91, 352-359.	3.9	48
24	Determination of copper, cadmium, iron, manganese, nickel and zinc in Antarctic sea water. Comparison of electrochemical and spectroscopic procedures. <i>Analytica Chimica Acta</i> , 1995, 305, 200-206.	5.4	46
25	A diagnostic study on folium and orchil dyes with non-invasive and micro-destructive methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 159-168.	3.9	43
26	Distribution of major, minor and trace elements in lake environments of Antarctica. <i>Antarctic Science</i> , 2004, 16, 277-291.	0.9	40
27	Archaeometric characterisation of ancient pottery belonging to the archaeological site of Novalesa Abbey (Piedmont, Italy) by ICP-MS and spectroscopic techniques coupled to multivariate statistical tools. <i>Analytica Chimica Acta</i> , 2005, 537, 359-375.	5.4	40
28	The <i>Vercelli Gospels</i> laid open: an investigation into the inks used to write the oldest Gospels in Latin. <i>X-Ray Spectrometry</i> , 2008, 37, 286-292.	1.4	39
29	Pigments—the palette of organic colourants in wall paintings. <i>Archaeological and Anthropological Sciences</i> , 2021, 13, 1.	1.8	38
30	Non-invasive investigation on a VI century purple codex from Brescia, Italy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 34-41.	3.9	37
31	Simultaneous determination of methyl-, ethyl-, phenyl- and inorganic mercury by cold vapour atomic absorption spectrometry with on-line chromatographic separation. <i>Journal of Chromatography A</i> , 1992, 626, 151-157.	3.7	34
32	Determination of metals in highly saline matrices by solid-phase extraction and slurry-sampling inductively coupled plasma-atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 1998, 375, 293-298.	5.4	33
33	Behavior of Different Metal/Ligand Systems in Adsorptive Cathodic Stripping Voltammetry. <i>Electroanalysis</i> , 1999, 11, 870-878.	2.9	31
34	Non-invasive differentiation between natural and synthetic ultramarine blue pigments by means of 250–900 nm FORS analysis. <i>Analytical Methods</i> , 2013, 5, 4184.	2.7	31
35	A preliminary study on the authentication and traceability of extra virgin olive oil made from Taggiasca olives by means of trace and ultra-trace elements distribution. <i>Food Chemistry</i> , 2019, 298, 125047.	8.2	31
36	Surface-enhanced Raman scattering for the analysis of red lake pigments in painting layers mounted in cross sections. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1127-1132.	2.5	30

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37	Compositional and Micro-Morphological Characterisation of Red Colourants in Archaeological Textiles from Pharaonic Egypt. <i>Molecules</i> , 2019, 24, 3761.	3.8	29
38	Evidence for the degradation of an alloy pigment on an ancient Italian manuscript. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 1160-1170.	2.5	27
39	Analytical evidences of the use of iron-gall ink as a pigment on miniature paintings. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 187, 1-8.	3.9	26
40	Analytical investigations on the Coronation Gospels manuscript. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 213-221.	3.9	26
41	The "Coptic" textiles of the "Museo Egizio" in Torino (Italy): a focus on dyes through a multi-technique approach. <i>Archaeological and Anthropological Sciences</i> , 2017, 9, 485-497.	1.8	25
42	UV-Vis spectroscopy. <i>Physical Sciences Reviews</i> , 2019, 4, .	0.8	25
43	Determination of trace europium by adsorptive cathodic stripping voltammetry after complexation with cupferron. <i>Electroanalysis</i> , 1997, 9, 444-448.	2.9	22
44	Flow injection determination of Pb and Cd traces with graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 1997, 44, 867-875.	5.5	21
45	Wine Traceability with Rare Earth Elements. <i>Beverages</i> , 2018, 4, 23.	2.8	21
46	Towards the identification of the lichen species in historical orchil dyes by HPLC-MS/MS. <i>Microchemical Journal</i> , 2019, 150, 104140.	4.5	21
47	Non-invasive characterization of colorants by portable diffuse reflectance infrared Fourier transform (DRIFT) spectroscopy and chemometrics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 181, 171-179.	3.9	20
48	Late production of Egyptian blue: synthesis from brass and its characteristics. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 5377-5392.	1.8	20
49	CAMPANIAN POTTERY FROM ANCIENT BRUTTIUM (SOUTHERN ITALY): SCIENTIFIC ANALYSIS OF LOCAL AND IMPORTED PRODUCTS. <i>Archaeometry</i> , 1998, 40, 311-329.	1.3	18
50	Role of Lanthanides in the Traceability of the Milk Production Chain. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4200-4208.	5.2	18
51	Spatial and seasonal variations of major, minor and trace elements in Antarctic seawater. Chemometric investigation of variable and site correlations. <i>Journal of Environmental Management</i> , 2001, 6, 29-43.	1.7	17
52	New Hints on the Maya Blue Formation Process by PCA-Assisted In Situ XRPD/PDF and Optical Spectroscopy. <i>Chemistry - A European Journal</i> , 2019, 25, 11503-11511.	3.3	17
53	Distribution of Minor and Trace Metals in Carezza Lake (ANTARCTICA) Ecosystem. <i>International Journal of Environmental Analytical Chemistry</i> , 1994, 55, 165-177.	3.3	15
54	Investigation of Roman terra sigillata by atomic absorption and emission spectroscopy and multivariate analysis of data. <i>Fresenius' Journal of Analytical Chemistry</i> , 1990, 336, 215-221.	1.5	14

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55	Mercury Speciation in Biological Samples. <i>International Journal of Environmental Analytical Chemistry</i> , 1995, 60, 1-13.	3.3	14
56	Identification of copper carboxylates as degradation residues on an ancient manuscript. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1434-1440.	2.5	14
57	Characterisation of the different hands in the composition of a 14th century breviary by means of portable XRF analysis and complementary techniques. <i>X-Ray Spectrometry</i> , 2017, 46, 259-270.	1.4	13
58	New advanced extraction and analytical methods applied to discrimination of different lichen species used for orcein dyed yarns: Preliminary results. <i>Microchemical Journal</i> , 2018, 138, 447-456.	4.5	13
59	A multi-scalar investigation of the colouring materials used in textile wrappings of Egyptian votive animal mummies. <i>Heritage Science</i> , 2021, 9, .	2.3	13
60	Ion-pair reversed-phase high-performance liquid chromatography for trace metal preconcentration followed by ion-interaction chromatography. <i>Journal of Chromatography A</i> , 1993, 640, 127-134.	3.7	12
61	Identification of colorants on XVIII century scientific hand-coloured print volumes. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1722-1728.	2.5	12
62	The mural paintings of Ala di Stura (Piedmont, Italy): a hidden treasure investigated. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1754-1760.	2.5	12
63	The Messale Rosselli: Scientific investigation on an outstanding 14th century illuminated manuscript from Avignon. <i>Journal of Archaeological Science: Reports</i> , 2019, 23, 721-730.	0.5	10
64	Distribution and Statistical Correlations of Major, Minor and Trace Metals in Lake Environments of Antarctica. <i>International Journal of Environmental Analytical Chemistry</i> , 1998, 71, 245-255.	3.3	9
65	The Use of ICP-MS in Food Traceability. , 2016, , 137-164.		9
66	Direct fluorimetric characterisation of dyes in ancient purple codices. <i>Microchemical Journal</i> , 2017, 135, 122-128.	4.5	8
67	On the identification of folium and orchil on illuminated manuscripts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 461-469.	3.9	8
68	Preliminary non-invasive study of Carolingian pigments in the churches of St. John at M ¹ / ₄ stair and St. Benedict at Malles. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	1.8	8
69	Identification of aloe and other dyes by means of SERS and HPLC-DAD-MS in the embroidery of a 15th century English folded almanac. <i>Dyes and Pigments</i> , 2021, 194, 109578.	3.7	8
70	Ion-interaction chromatographic studies on metal ions completed with Plasmocorinth B dye. <i>Journal of Chromatography A</i> , 1993, 640, 179-185.	3.7	7
71	Voltammetric Determination and Speciation of Inorganic and Organometallic Tin. <i>Electroanalysis</i> , 2002, 14, 1090-1097.	2.9	7
72	Optimisation of sensitivity in the multi-elemental determination of 83 isotopes by ICP-MS as a function of 21 instrumental operative conditions by modified simplex, principal component analysis and partial least squares. <i>Talanta</i> , 2008, 76, 1224-1232.	5.5	7

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73	Egyptian blue in the Castelseprio mural painting cycle. Imaging and evidence of a non-traditional manufacture. <i>Journal of Archaeological Science: Reports</i> , 2018, 19, 465-475.	0.5	7
74	Mythic dyes or mythic colour? New insight into the use of purple dyes on codices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 133-141.	3.9	7
75	A fast non-invasive method for preliminary authentication of mediaeval glass enamels using UV-Vis-NIR diffuse reflectance spectrophotometry. <i>Journal of Cultural Heritage</i> , 2020, 45, 33-40.	3.3	7
76	Ion chromatographic separation of alkylsulphonic acids with conductivity detection. <i>Chromatographia</i> , 1995, 41, 445-449.	1.3	6
77	Food Forensics. <i>Comprehensive Analytical Chemistry</i> , 2015, 68, 441-514.	1.3	6
78	On the identification of <i>folium</i> by SERS: from crude extracts to illuminated codices. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 530-537.	2.5	6
79	It's Only a Part of the Story: Analytical Investigation of the Inks and Dyes Used in the Privilegium Maius. <i>Molecules</i> , 2019, 24, 2197.	3.8	6
80	Non-Invasive Study on the Sinope Gospels. <i>Heritage</i> , 2020, 3, 1269-1278.	1.9	5
81	Distribution of major, minor and trace elements in Antarctic offshore and Coastal seawaters: correlation among sites and variables by pattern recognition. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 471-492.	3.3	4
82	On the Rehydration of Organic Layered Double Hydroxides to form Low-Ordered Carbon/LDH Nanocomposites. <i>Inorganics</i> , 2018, 6, 79.	2.7	4
83	Authentication and Traceability Study on Barbera d'Asti and Nizza DOCG Wines: The Role of Trace- and Ultra-Trace Elements. <i>Beverages</i> , 2020, 6, 63.	2.8	4
84	Multi-technique characterization of glass mosaic tesserae from Villa di Teodorico in Galeata (Italy). <i>Journal of Raman Spectroscopy</i> , 0, , .	2.5	4
85	On the Hierarchical Use of Colourants in a 15th Century Book of Hours. <i>Heritage</i> , 2021, 4, 1786-1806.	1.9	4
86	On the Traceability of the Hazelnut Production Chain by Means of Trace Elements. <i>Molecules</i> , 2022, 27, 3854.	3.8	4
87	The miniatures of the Vienna Genesis: colour identification and painters' palettes. , 2020, , 201-246.		3
88	New evidence of non-traditional Egyptian blue manufacture in the 6th century Ashburnham Pentateuch. <i>Journal of Archaeological Science: Reports</i> , 2020, 33, 102487.	0.5	3
89	Identification and Analytical Examination of Copper Alloy Pigments Applied as Golden Illuminations on Three Persian Manuscripts. <i>Restaurator</i> , 2015, 36, .	0.2	2
90	Metals in wine. <i>Reviews in Food and Nutrition Toxicity</i> , 2003, , 169-203.	0.0	2

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91	Ion chromatographic separation of alkylsulphonic acids with conductivity detection. <i>Chromatographia</i> , 1995, 41, 445-449.	1.3	1
92	Multi-Technique Characterization of Adhesives Used in Medieval Jewellery. <i>Archaeometry</i> , 2017, 59, 1105-1118.	1.3	1
93	From the Pyrenees to the Alps: Evidence of the use of aerinite on XII century fresco paintings at Novalesa abbey (Piemonte). <i>Journal of Archaeological Science: Reports</i> , 2019, 25, 15-24.	0.5	1
94	Behavior of Different Metal/Ligand Systems in Adsorptive Cathodic Stripping Voltammetry. <i>Electroanalysis</i> , 1999, 11, 870-878.	2.9	1
95	Distribution of major, minor and trace metals in lake environments of Antarctica. <i>European Physical Journal Special Topics</i> , 2003, 107, 867-870.	0.2	0
96	Non Invasive Analysis of Manuscript Covers: Portable X-ray Fluorescence Enlightening Medieval Jewellery Masterpieces. <i>Procedia Chemistry</i> , 2013, 8, 100-108.	0.7	0
97	Focus Point on Past and Present: Recent Advances in the Investigation of Ancient Materials by Means of Scientific Instrumental Techniques. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	0
98	5. UV-Vis spectroscopy. , 2020, , 99-120.		0
99	The Vienna Genesis: An Example of Late Antique Purple Parchment. <i>Restaurator</i> , 2022, .	0.2	0