

Maria L Carvalho

List of Publications by Year in descending order

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233
papers

4,922
citations

108046

37
h-index

206121

51
g-index

237
all docs

237
docs citations

237
times ranked

5439
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovering the colours of industrial heritage characterisation of paint coatings from the powerplant at the Levada de Tomar. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 208-216.	1.2	4
2	Raman and X-ray fluorescence glaze characterisation of Maria Keil's decorative tile panels. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 59-70.	1.2	4
3	Elemental mapping of Portuguese ceramic pieces with a full-field XRF scanner based on a 2D-THCOBRA detector. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	8
4	Effects of steaming on health-valuable nutrients from fortified farmed fish: Gilthead seabream (<i>Sparus aurata</i>) and common carp (<i>Cyprinus carpio</i>) as case studies. <i>Food and Chemical Toxicology</i> , 2021, 152, 112218.	1.8	7
5	Investigation of inks, pigments and paper in four Moroccan illuminated manuscripts dated to the eighteenth century. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	5
6	Analysis of human tissues using Energy Dispersive X Ray Fluorescence – Dark matrix determination for the application to cancer research. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 68, 126837.	1.5	6
7	Multiconfiguration Dirac-Fock calculations of Zn K-shell radiative and nonradiative transitions. <i>X-Ray Spectrometry</i> , 2020, 49, 192-199.	0.9	3
8	HCI 2018. <i>X-Ray Spectrometry</i> , 2020, 49, 4-5.	0.9	0
9	A simple and sustainable portable triaxial energy dispersive X-ray fluorescence method for in situ multielemental analysis of mining water samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 164, 105762.	1.5	10
10	Accuracy improvement in XRF analysis for the quantification of elements ranging from tenths to thousands $\mu\text{g g}^{-1}$ in human tissues using different matrix reference materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2920-2927.	1.6	7
11	Enriched feeds with iodine and selenium from natural and sustainable sources to modulate farmed gilthead seabream (<i>Sparus aurata</i>) and common carp (<i>Cyprinus carpio</i>) filets elemental nutritional value. <i>Food and Chemical Toxicology</i> , 2020, 140, 111330.	1.8	18
12	Overview and calculation of X-ray K-shell transition yields for comprehensive data libraries. <i>X-Ray Spectrometry</i> , 2020, 49, 398-423.	0.9	1
13	Mineral Content of Food Supplements of Plant Origin, by Energy Dispersive X-ray Fluorescence: A Risk Assessment. <i>Exposure and Health</i> , 2020, 12, 917-927.	2.8	9
14	An Artist's Sketchbook: the former altarpiece of Goa Cathedral (India) attributed to the painter Garcia Fernandes - iconographic and stylistic influences and underdrawing study. <i>Conservar Património</i> , 2020, 34, 73-87.	0.5	0
15	Assessment of Toxic Metals and Hazardous Substances in Tattoo Inks Using Sy-XRF, AAS, and Raman Spectroscopy. <i>Biological Trace Element Research</i> , 2019, 187, 596-601.	1.9	21
16	Characterization of a pair of Goan paintings from the 16th-17th centuries. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	1
17	Multi-analytical study of 14th to 19th century illuminated Moroccan manuscripts. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	6
18	Determination of gold leaf thickness using X-ray fluorescence spectrometry: Accuracy comparison using analytical methodology and Monte Carlo simulations. <i>Applied Radiation and Isotopes</i> , 2019, 152, 6-10.	0.7	19

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19	Josefa d' Ã“bidos workshop from panel to canvas. Multianalytical approach to materials and technical evolution of the most significant Portuguese painting workshop of the 17th century. <i>Journal of Molecular Structure</i> , 2019, 1188, 31-41.	1.8	5
20	Scrutinizing <i>Ecce Homo</i>: European or Indian painting? Assessment by Raman and complementary spectroscopic techniques. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 161-174.	1.2	5
21	A Painter in the Shadow: Unveiling Conservation, Materials and Techniques of the Unknown Lusio-Flemish Master of LourinhÃ£. <i>Heritage</i> , 2019, 2, 2725-2744.	0.9	2
22	In vitro study of the demineralization induced in human enamel by an acidic beverage using XÃ©ray fluorescence spectroscopy and Raman microscopy. <i>X-Ray Spectrometry</i> , 2019, 48, 61-69.	0.9	8
23	Seasonal effect in nutritional quality and safety of the wild sea urchin <i>Paracentrotus lividus</i> harvested in the European Atlantic shores. <i>Food Chemistry</i> , 2019, 282, 84-94.	4.2	32
24	Study on Brazilian 18th century imperial carriage using x-ray nondestructive techniques. <i>Radiation Physics and Chemistry</i> , 2019, 154, 74-78.	1.4	13
25	SELENIUM BIOFORTIFICATION OF RICE THROUGH FOLIAR APPLICATION WITH SELENITE AND SELENATE. <i>Experimental Agriculture</i> , 2019, 55, 528-542.	0.4	44
26	Characterization of natural degradation of historical Moroccan Jewish parchments by complementary spectroscopic techniques. <i>Microchemical Journal</i> , 2018, 139, 250-259.	2.3	4
27	Raman spectroscopy analysis of dental enamel treated with whitening product " Influence of saliva in the remineralization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 198, 145-149.	2.0	17
28	On the origin of Goa Cathedral former altarpiece: Material and technical assessment to the work of Garcia Fernandes, Portuguese painter from 16th century Lisbon workshop. <i>Microchemical Journal</i> , 2018, 138, 226-237.	2.3	4
29	Localization and distribution of Zn and Fe in grains of biofortified bread wheat lines through micro- and triaxial-X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 141, 70-79.	1.5	33
30	Macro and trace elements in <i>Paracentrotus lividus</i> gonads from South West Atlantic areas. <i>Environmental Research</i> , 2018, 162, 297-307.	3.7	15
31	Suitability of X ray spectrometry to distinguish a handwritten 16th century real estate sales document from its copy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 146, 21-27.	1.5	5
32	Bioaccessibility in risk-benefit analysis of raw and cooked seabream consumption. <i>Journal of Food Composition and Analysis</i> , 2018, 68, 118-127.	1.9	23
33	Analytical characterization of the palette and painting techniques of Jorge Afonso, the great 16th century Master of Lisbon painting workshop. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 264-275.	2.0	21
34	Comparison of standardÃ©based and standardless methods of quantification used in XÃ©ray fluorescence analysis: Application to the exoskeleton of clams. <i>X-Ray Spectrometry</i> , 2018, 47, 108-115.	0.9	17
35	Simultaneous Zinc and selenium biofortification in rice. Accumulation, localization and implications on the overall mineral content of the flour. <i>Journal of Cereal Science</i> , 2018, 82, 34-41.	1.8	60
36	Can Elevated Air [CO2] Conditions Mitigate the Predicted Warming Impact on the Quality of Coffee Bean?. <i>Frontiers in Plant Science</i> , 2018, 9, 287.	1.7	59

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37	Detection limits evaluation of a portable energy dispersive X-ray fluorescence setup using different filter combinations. <i>X-Ray Spectrometry</i> , 2017, 46, 102-106.	0.9	17
38	A novel portable energy dispersive X-ray fluorescence spectrometer with triaxial geometry. <i>Journal of Instrumentation</i> , 2017, 12, P01014-P01014.	0.5	21
39	Validation of the Geant4 Monte Carlo package for X-ray fluorescence spectroscopy in triaxial geometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 130, 60-66.	1.5	3
40	Biofortification of durum wheat (<i>Triticum turgidum</i> L. ssp. durum (Desf.) Husnot) grains with nutrients. <i>Journal of Plant Interactions</i> , 2017, 12, 39-50.	1.0	12
41	<i>Phaeodactylum tricornutum</i> in finishing diets for gilthead seabream: effects on skin pigmentation, sensory properties and nutritional value. <i>Journal of Applied Phycology</i> , 2017, 29, 1945-1956.	1.5	23
42	Will seabass (<i>Dicentrarchus labrax</i>) quality change in a warmer ocean?. <i>Food Research International</i> , 2017, 97, 27-36.	2.9	9
43	Chemometrics tools to distinguish wild and farmed meagre (<i>Argyrosomus regius</i>). <i>Journal of Food Processing and Preservation</i> , 2017, 41, e13312.	0.9	16
44	Elemental mapping in a contemporary miniature by full-field X-ray fluorescence imaging with gaseous detector vs. scanning X-ray fluorescence imaging with polycapillary optics. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 129, 1-7.	1.5	19
45	Determination of demineralization depth in tooth enamel exposed to abusive use of whitening gel using micro-Energy Dispersive X ray Fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 138, 8-13.	1.5	5
46	Preserving European paintings in Asian environment. The case of Goa Cathedral former altarpiece.. <i>Procedia Structural Integrity</i> , 2017, 5, 1078-1085.	0.3	1
47	Pioneer Mediterranean Shrub Species Revegetating Soils Developed on Mining Soils/Spoils. <i>Land Degradation and Development</i> , 2017, 28, 718-730.	1.8	11
48	Determination of Nickel and Manganese Contaminants in Pharmaceutical Iron Supplements Using Energy Dispersive X-ray Fluorescence. <i>Applied Spectroscopy</i> , 2017, 71, 432-437.	1.2	7
49	New insights into the red and green pigments in the illuminated foral charter of Setubal (1515) by combined use of Raman and X-ray fluorescence spectrometry. <i>Journal of Applied Physics</i> , 2016, 119, 104902.	1.1	6
50	Titanate nanotubes sensitized with silver nanoparticles: Synthesis, characterization and in-situ pollutants photodegradation. <i>Applied Surface Science</i> , 2016, 385, 18-27.	3.1	16
51	Possibilities of low-power X-ray fluorescence spectrometry methods for rapid multielemental analysis and imaging of vegetal foodstuffs. <i>Journal of Food Composition and Analysis</i> , 2016, 50, 1-9.	1.9	37
52	A multidisciplinary approach to the study of the brightening effects of white chalk ground layers in 15 th and 16 th century paintings. <i>Analytical Methods</i> , 2016, 8, 4785-4797.	1.3	15
53	Quantitative determinations and imaging in different structures of buried human bones from the XVIII-XIXth centuries by energy dispersive X-ray fluorescence – Postmortem evaluation. <i>Talanta</i> , 2016, 155, 107-115.	2.9	12
54	Uncover the mantle: rediscovering Gregório Lopes palette and technique with a study on the painting “Mater Misericordiae”. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	6

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55	Distribution of toxic elements in teeth treated with amalgam using λ -energy dispersive X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 122, 114-117.	1.5	8
56	Analytical characterization of academic nude paintings by Jos� Veloso Salgado. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 379-385.	2.0	12
57	Calcium sulfate fillers and binders in Portuguese 15 th and 16 th centuries: Ground layers from a family painting workshop – Study by multianalytical spectroscopic techniques. <i>Microchemical Journal</i> , 2016, 125, 290-298.	2.3	10
58	Quantitative analysis of human remains from 18th–19th centuries using X-ray fluorescence techniques: The mysterious high content of mercury in hair. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 33, 26-30.	1.5	13
59	Artificial aging paper to assess long-term effects of conservative treatment. Monitoring by infrared spectroscopy (ATR-FTIR), X-ray diffraction (XRD), and energy dispersive X-ray fluorescence (EDXRF). <i>Microchemical Journal</i> , 2016, 124, 646-656.	2.3	54
60	Micro-Analytical Study of a Rare Papier-M�ch� Sculpture. <i>Microscopy and Microanalysis</i> , 2015, 21, 56-62.	0.2	5
61	Spatially resolved determination of toxic trace elements in plants of Panasqueira mining region using micro X-ray fluorescence. <i>Microscopy and Microanalysis</i> , 2015, 21, 54-55.	0.2	1
62	Microscopy and Microanalysis of an Extreme Case of Salt and Biodegradation in 17th Century Wall Paintings. <i>Microscopy and Microanalysis</i> , 2015, 21, 606-616.	0.2	11
63	Microscopy and X-Ray Spectroscopy Analyses for Assessment of Gilding and Silvering Techniques of Portuguese Illuminated Manuscripts. <i>Microscopy and Microanalysis</i> , 2015, 21, 20-55.	0.2	6
64	Are they frescopaintings? Technical and material study of Casas Pintadas of Vasco da Gama house in �vora (Southern Portugal). <i>X-Ray Spectrometry</i> , 2015, 44, 154-162.	0.9	11
65	Assessment of teeth elemental content using λ -EDXRF: effects by in-office and at-home bleaching products. <i>X-Ray Spectrometry</i> , 2015, 44, 3-6.	0.9	14
66	A Multi-Analytical Approach for the Evaluation of the Efficiency of the Conservation–Restoration Treatment of Moroccan Historical Manuscripts Dating to the 16th, 17th, and 18th Centuries. <i>Applied Spectroscopy</i> , 2015, 69, 920-938.	1.2	26
67	White Spots on Smoke Rings by Bruce Nauman: A Case Study On Contemporary Art Conservation Using Microanalytical Techniques. <i>Microscopy and Microanalysis</i> , 2015, 21, 15-19.	0.2	5
68	The mysterious halos in iron gall ink manuscripts: an analytical explanation. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 1107-1111.	1.1	12
69	Challenging wax-cast figurine serial production unravelled by multi-analytical techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 790-812.	1.6	1
70	A multi-analytical approach to gold in Ancient Egypt: Studies on provenance and corrosion. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 108, 75-82.	1.5	29
71	A large area full-field EDXRF imaging system based on a THCOBRA gaseous detector. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 343-352.	1.6	18
72	Nondestructive analysis of Portuguese �edineiros� using XRF: overcoming patina constraints. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1173-1178.	1.1	8

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73	Quantitative evaluation of ante-mortem lead in human remains of the 18 th century by triaxial geometry and bench top micro X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2488-2495.	1.6	10
74	Different tools to trace geographic origin and seasonality of croaker (<i>Micropogonias furnieri</i>). <i>LWT - Food Science and Technology</i> , 2015, 61, 194-200.	2.5	28
75	Effects of depuration on metal levels and health status of bivalve molluscs. <i>Food Control</i> , 2015, 47, 493-501.	2.8	58
76	Conservation of Moroccan manuscript papers aged 150, 200 and 800 years. Analysis by infrared spectroscopy (ATR-FTIR), X-ray diffraction (XRD), and scanning electron microscopy energy dispersive spectrometry (SEM-EDS). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1038-1046.	2.0	49
77	A State Space Model Approach for Modelling the Population Dynamics of Black Scabbardfish in Portuguese Mainland Waters. <i>CIM Series in Mathematical Sciences</i> , 2015, , 499-512.	0.4	1
78	GREGÁRIO LOPES painting workshop: characterization by X-ray based techniques. Analysis by EDXRF, μ -XRD and SEM-EDS. <i>Journal of Instrumentation</i> , 2014, 9, C05006-C05006.	0.5	4
79	Total Reflection X-ray Spectrometry (TXRF) for Trace Elements Assessment in Edible Clams. <i>Applied Spectroscopy</i> , 2014, 68, 1241-1246.	1.2	12
80	Development of a combined portable x-ray fluorescence and Raman spectrometer for <i>in situ</i> analysis. <i>Review of Scientific Instruments</i> , 2014, 85, 063113.	0.6	14
81	Muzzle-to-target distance determination by X-ray fluorescence spectrometry. <i>X-Ray Spectrometry</i> , 2014, 43, 49-55.	0.9	11
82	Material and diagnostic characterization of 17 th century mural paintings by spectrophotometry and SEM-EDS: An insight look at Jos de Escovar Workshop at the CONVENT of N ^o Sr ^o da Saudade (Southern Portugal). <i>Color Research and Application</i> , 2014, 39, 288-306.	0.8	8
83	The study of marine corrosion of copper alloys in chlorinated condenser cooling circuits: The role of microbiological components. <i>Bioelectrochemistry</i> , 2014, 97, 2-6.	2.4	37
84	Characterization of gypsum and anhydrite ground layers in 15 th and 16 th centuries Portuguese paintings by Raman Spectroscopy and other techniques. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1026-1033.	1.2	32
85	Comparison of gold leaf thickness in Namban folding screens using X-ray fluorescence. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 1053-1058.	1.1	9
86	Characterization of glue sizing under calcium carbonate ground layers in Flemish and Luso-Flemish painting analysis by SEM-EDS, μ -XRD and μ -Raman spectroscopy. <i>Analytical Methods</i> , 2014, 6, 710-717.	1.3	13
87	Morphological and compositional features of blue and yellow pigments used in Portuguese glazed ceramics by SEM/EDX unravelling manufacturing differences. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 51-57.	1.6	4
88	Determination of gold leaf thickness in a Renaissance illumination using a nondestructive approach. <i>X-Ray Spectrometry</i> , 2014, 43, 79-82.	0.9	23
89	Effect of bleaching gel in Ca, P and Zn content in tooth enamel evaluated by μ -EDXRF. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 337, 78-82.	0.6	14
90	Elemental characterization of plants and soils in Panasqueira tungsten mining region. <i>Journal of Soils and Sediments</i> , 2014, 14, 778-784.	1.5	24

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91	Assessment of Essential Elements and Heavy Metals Content on <i>Mytilus galloprovincialis</i> from River Tagus Estuary. <i>Biological Trace Element Research</i> , 2014, 159, 233-240.	1.9	15
92	Multi-analytical characterisation of $\text{D}^{\text{TM}}\text{Apr}^{\text{A}}\text{s}$ Cormon by $\text{Jos}^{\text{A}}\text{Veloso Salgado}$. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 331, 271-274.	0.6	5
93	Analytical evidence of heterogeneous lead accumulation in the hypothalamic defence area and nucleus tractus solitarius. <i>NeuroToxicology</i> , 2014, 44, 91-97.	1.4	6
94	The emerging farmed fish species meagre (<i>Argyrosomus regius</i>): How culinary treatment affects nutrients and contaminants concentration and associated benefit-risk balance. <i>Food and Chemical Toxicology</i> , 2013, 60, 277-285.	1.8	51
95	From fish chemical characterisation to the benefit-risk assessment – Part A. <i>Food Chemistry</i> , 2013, 137, 99-107.	4.2	40
96	Effects of a constructional intervention on airborne and deposited particulate matter in the Portuguese National Tile Museum, Lisbon. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1849-1857.	2.7	19
97	Evaluation of hazards and benefits associated with the consumption of six fish species from the Portuguese coast. <i>Journal of Food Composition and Analysis</i> , 2013, 32, 59-67.	1.9	23
98	Spectroscopic characterization of a masterpiece: The Manueline foral charter of Sintra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 288-296.	2.0	24
99	Polynomial approximation to universal M^{shell} ionisation cross-sections induced by $\text{H}^{\text{sup}+}$ and $\text{He}^{\text{sup}2+}$ ions. <i>X-Ray Spectrometry</i> , 2013, 42, 177-182.	0.9	17
100	Elemental mapping of Moroccan enameled terracotta tile works (Zellij) based on X-ray micro-analyses. <i>Applied Radiation and Isotopes</i> , 2013, 82, 60-66.	0.7	8
101	Elemental analysis by portable Ag and Rh X-ray sources of a Namban type folding screen. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 309, 254-259.	0.6	2
102	New development on materials and techniques used in the heraldic designs of illuminated Manueline foral charters by multi-analytical methods. <i>Applied Radiation and Isotopes</i> , 2013, 82, 242-257.	0.7	17
103	The earrings of Pancas treasure: Analytical study by X-ray based techniques – A first approach. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 306, 236-240.	0.6	10
104	Portable energy dispersive X-ray fluorescence spectrometry and PIXE for elemental quantification of historical paper documents. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 298, 66-69.	0.6	6
105	Nowcasting influenza epidemics using non-homogeneous hidden Markov models. <i>Statistics in Medicine</i> , 2013, 32, 2643-2660.	0.8	12
106	Cathodic and anodic biofilms in Single Chamber Microbial Fuel Cells. <i>Bioelectrochemistry</i> , 2013, 92, 6-13.	2.4	114
107	Pulsed current electrodeposition of $\text{Zn}^{\text{A}}\text{Ag}_2\text{S}/\text{TiO}_2$ nanocomposite films as potential photoelectrodes. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2349-2359.	1.2	6
108	Performance of a gaseous detector based energy dispersive X-ray fluorescence imaging system: Analysis of human teeth treated with dental amalgam. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 86, 115-122.	1.5	17

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109	Micro-XRF for characterization of Moroccan glazed ceramics and Portuguese tiles. <i>Journal of Instrumentation</i> , 2013, 8, C02055-C02055.	0.5	8
110	Modelling the dynamics of the deepwater shark <i>Centroscymnus coelolepis</i> off mainland Portugal. <i>Aquatic Living Resources</i> , 2013, 26, 355-364.	0.5	5
111	Microanalytical study of the fresco "the good and the bad judge"™ in the medieval village of Monsaraz (Southern Portugal). <i>X-Ray Spectrometry</i> , 2013, 42, 242-250.	0.9	6
112	Characterization of a Namban folding screen from the Edo period by means of EDXRF, SEM-EDS and Raman spectroscopy. <i>X-Ray Spectrometry</i> , 2013, 42, 128-133.	0.9	5
113	Theoretical and experimental study on the angular dependence of scattering processes in X-ray fluorescence systems. <i>X-Ray Spectrometry</i> , 2013, 42, 402-407.	0.9	24
114	Spectroscopic Characterization of a Contemporary Indian Miniature Painting. <i>Applied Spectroscopy</i> , 2013, 67, 1376-1381.	1.2	8
115	Performance of three different Si X-ray detectors for portable XRF spectrometers in cultural heritage applications. <i>Journal of Instrumentation</i> , 2012, 7, C10004-C10004.	0.5	57
116	Evaluation of the intervention of a folding screen belonging to the Momoyama period by Raman spectroscopy using different wavelengths. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1699-1706.	1.2	11
117	Lead in liver and kidney of exposed rats: Aging accumulation study. <i>Journal of Trace Elements in Medicine and Biology</i> , 2012, 26, 285-290.	1.5	15
118	Synchrotron micro-XRF with Compound Refractive Lenses (CRLs) for tracing key elements on Portuguese glazed ceramics. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 966.	1.6	15
119	Multianalytical approach for the authenticity of an eighteenth-century Pascal Taskin harpsichord. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 626.	1.6	7
120	Application of spectroscopic techniques to the study of illuminated manuscripts: A survey. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 71-72, 54-61.	1.5	45
121	Focusing systems for the generation of X-ray micro beam: An overview. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 77, 1-8.	1.5	23
122	Study of lead accumulation in bones of Wistar rats by X-ray fluorescence analysis: aging effect. <i>Metallomics</i> , 2012, 4, 66-71.	1.0	12
123	Lead concentration in feces and urine of exposed rats by X-ray fluorescence and electrothermal atomic absorption spectrometry. <i>X-Ray Spectrometry</i> , 2012, 41, 80-86.	0.9	6
124	Identification of oxygen in dental enamel following tooth bleaching using confocal micro Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1089-1093.	1.2	12
125	Effect of sex, maturation stage and cooking methods on the nutritional quality and safety of black scabbard fish (<i>Aphanopus carbo</i> Lowe, 1839). <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 1545-1553.	1.7	15
126	Nutritional quality and safety of cooked edible crab (<i>Cancer pagurus</i>). <i>Food Chemistry</i> , 2012, 133, 277-283.	4.2	58

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127	Investigation of the Composition of Historical and Modern Italian Papers by Energy Dispersive X-Ray Fluorescence (EDXRF), X-Ray Diffraction (XRD), and Scanning Electron Microscopy Energy Dispersive Spectrometry (SEM-EDS). <i>Applied Spectroscopy</i> , 2011, 65, 52-59.	1.2	27
128	Blue Pigment Colors from Wall Painting Churches in Danger (Portugal 15th to 18th Century): Identification, Diagnosis, and Color Evaluation. <i>Applied Spectroscopy</i> , 2011, 65, 782-789.	1.2	18
129	Ultrasonic energy as a tool to overcome some drawbacks in the determination of lead in brain tissue and urine of rats. <i>Talanta</i> , 2011, 86, 442-446.	2.9	6
130	Lead, Zinc, Arsenic and Copper Pollution in the Alluvial Plain of a Mining Wadi: The Beal Case (Cartagena-La Union Mining District, SE Spain). <i>Water, Air, and Soil Pollution</i> , 2011, 220, 279-291.	1.1	20
131	Assessment of the weathering effects on cellulose based materials through a multianalytical approach. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 1401-1410.	0.6	40
132	Distribution of metals in soils and plants around mineralized zones at Cartagena-La Unión mining district (SE, Spain). <i>Environmental Earth Sciences</i> , 2011, 63, 1227-1237.	1.3	20
133	14th European X-Ray Spectrometry Conference (EXRS-2010). <i>X-Ray Spectrometry</i> , 2011, 40, 1-1.	0.9	0
134	Elemental characterization of edible plants and soils in an abandoned mining region: assessment of environmental risk. <i>X-Ray Spectrometry</i> , 2011, 40, 353-363.	0.9	21
135	Colour assays: An inside look into Alentejo traditional limewash paintings and coloured lime mortars. <i>Color Research and Application</i> , 2011, 36, 61-71.	0.8	8
136	Comparative study of elemental content in farmed and wild life Sea Bass and Gilthead Bream from four different sites by FAAS and EDXRF. <i>Food Chemistry</i> , 2011, 124, 367-372.	4.2	15
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