

Cristina Maria Barrocas Dias

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,304
citations

361045

20
h-index

377514

34
g-index

62
all docs

62
docs citations

62
times ranked

1848
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of pharmaceuticals in microcosm constructed wetlands using <i>Typha</i> spp. and LECA. <i>Bioresource Technology</i> , 2010, 101, 886-892.	4.8	157
2	Analysis of anthocyanins in foods by liquid chromatography, liquid chromatography-mass spectrometry and capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 881, 403-410.	1.8	153
3	Comparison between sample disruption methods and solid-liquid extraction (SLE) to extract phenolic compounds from <i>Ficus carica</i> leaves. <i>Journal of Chromatography A</i> , 2006, 1103, 22-28.	1.8	80
4	Extracting natural dyes from wool—an evaluation of extraction methods. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1501-1514.	1.9	62
5	Separation of blackcurrant anthocyanins by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1998, 799, 321-327.	1.8	53
6	Enlightening the influence of mordant, dyeing technique and photodegradation on the colour hue of textiles dyed with madder — A chromatographic and spectrometric approach. <i>Microchemical Journal</i> , 2011, 98, 82-90.	2.3	46
7	Effect of edible coatings with essential oils on the quality of red raspberries over shelf-life. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 929-938.	1.7	42
8	Use of solid-supported liquid-liquid extraction in the analysis of polyphenols in wine. <i>Journal of Chromatography A</i> , 2007, 1169, 23-30.	1.8	39
9	Novel methods to extract flavanones and xanthenes from the root bark of <i>Maclura pomifera</i> . <i>Journal of Chromatography A</i> , 2005, 1062, 175-181.	1.8	38
10	Phenolic and furanic compounds of Portuguese chestnut and French, American and Portuguese oak wood chips. <i>European Food Research and Technology</i> , 2012, 235, 457-467.	1.6	38
11	Material Characterization and Biodegradation Assessment of Mural Paintings: Renaissance Frescoes from Santo Aleixo Church, Southern Portugal. <i>International Journal of Architectural Heritage</i> , 2014, 8, 835-852.	1.7	38
12	Micro-Raman spectroscopy and complementary techniques (hXRF, VP-SEM-EDS, FTIR and Py-GC/MS) applied to the study of beads from the Kongo Kingdom (Democratic Republic of the Congo). <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1468-1478.	1.2	36
13	Atenolol removal in microcosm constructed wetlands. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 835-848.	1.8	35
14	Application of sample disruption methods in the extraction of anthocyanins from solid or semi-solid vegetable samples. <i>Journal of Chromatography A</i> , 2006, 1129, 14-20.	1.8	32
15	HPLC-DAD Quantification of Phenolic Compounds Contributing to the Antioxidant Activity of <i>Maclura pomifera</i> , <i>Ficus carica</i> and <i>Ficus elastica</i> Extracts. <i>Analytical Letters</i> , 2009, 42, 2986-3003.	1.0	32
16	Comparison of methods for extraction of flavanones and xanthenes from the root bark of the osage orange tree using liquid chromatography. <i>Journal of Chromatography A</i> , 1999, 831, 167-178.	1.8	29
17	Multi-element composition of red, white and palhete amphora wines from Alentejo by ICPMS. <i>Food Control</i> , 2018, 92, 80-85.	2.8	27
18	Characterization of prenylated xanthenes and flavanones by liquid chromatography/atmospheric pressure chemical ionization mass spectrometry. , 2000, 35, 540-549.		25

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19	Quantitative HPLC Analysis of Rosmarinic Acid in Extracts of <i>Melissa officinalis</i> and Spectrophotometric Measurement of Their Antioxidant Activities. <i>Journal of Chemical Education</i> , 2007, 84, 1502.	1.1	25
20	On the Use of the Unusual Green Pigment Brochantite ($\text{Cu}_4(\text{SO}_4)_4(\text{OH})_6$) in the 16th-Century Portuguese-Flemish Paintings Attributed to The Master Frei Carlos Workshop. <i>Microscopy and Microanalysis</i> , 2015, 21, 518-525.	0.2	24
21	Unveiling the colour palette of Arraiolos carpets: Material study of carpets from the 17th to 19th century period by HPLC-DAD-MS and ICP-MS. <i>Journal of Cultural Heritage</i> , 2014, 15, 292-299.	1.5	22
22	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
23	Comparative Study of the Antioxidant and Enzyme Inhibitory Activities of Two Types of Moroccan Euphorbia Entire Honey and Their Phenolic Extracts. <i>Foods</i> , 2021, 10, 1909.	1.9	15
24	Ageing of brazilwood dye in wool – a chromatographic and spectrometric study. <i>Journal of Cultural Heritage</i> , 2013, 14, 471-479.	1.5	14
25	Magnetite nanoparticles functionalized with propolis against methicillin resistant strains of <i>Staphylococcus aureus</i> . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 25-33.	2.7	13
26	Diet and disease in Tomar, Portugal: Comparing stable carbon and nitrogen isotope ratios between skeletons with and without signs of infectious disease. <i>Journal of Archaeological Science</i> , 2019, 105, 59-69.	1.2	13
27	Combination of Stable Isotope Analysis and Chemometrics to Discriminate Geoclimatically and Temporally the Virgin Olive Oils from Three Mediterranean Countries. <i>Foods</i> , 2020, 9, 1855.	1.9	13
28	Pyrolysis-compound-specific hydrogen isotope analysis ($\delta^2\text{H}$ Py-CSIA) of Mediterranean olive oils. <i>Food Control</i> , 2020, 110, 107023.	2.8	12
29	Testing LA-ICP-MS analysis of archaeological bones with different diagenetic histories for paleodiet prospect. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 534, 109287.	1.0	11
30	Did military orders influence the general population diet? Stable isotope analysis from Medieval Tomar, Portugal. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 3797-3809.	0.7	11
31	Electrochemical Characterization and Quantification of the Strong Antioxidant and Antitumor Agent Pomiferin. <i>Electroanalysis</i> , 2009, 21, 2345-2353.	1.5	10
32	Stable isotope and multi-analytical investigation of Monte da Cegonha: A Late Antiquity population in southern Portugal. <i>Journal of Archaeological Science: Reports</i> , 2016, 9, 728-742.	0.2	10
33	Qualitative evaluation of fruits from different <i>Opuntia ficus-indica</i> ecotypes/cultivars harvested in South Portugal. <i>Journal of Food Biochemistry</i> , 2018, 42, e12652.	1.2	9
34	Identification of Onion Dye Chromophores in the Dye Bath and Dyed Wool by HPLC-DAD: An Educational Approach. <i>Journal of Chemical Education</i> , 2013, 90, 1498-1500.	1.1	8
35	Simplified Chinese lacquer techniques and <i>Nanban</i> style decoration on Luso-Asian objects from the late sixteenth or early seventeenth centuries. <i>Studies in Conservation</i> , 2016, 61, 68-84.	0.6	8
36	Unveiling the underprintings of a late-fifteenth-early-sixteenth century illuminated French incunabulum by infrared reflectography. <i>Journal of Cultural Heritage</i> , 2019, 40, 34-42.	1.5	8

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37	A multi-analytical study of the fifteenth century mural paintings of the Batalha Monastery (Portugal) in view of their conservation. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 989-998.	1.1	7
38	Effect of different healing stages on stable isotope ratios in skeletal lesions. <i>American Journal of Physical Anthropology</i> , 2020, 171, 285-297.	2.1	7
39	Transporting Olive Oil in Roman Times: Chromatographic Analysis of Dressel 20 Amphorae from Pax Julia Civitas, Lusitania. <i>Chromatographia</i> , 2020, 83, 1055-1064.	0.7	7
40	A perylene conductor with a gold cyanodithiocarbamate counterion: (Perylene) ₂ Au(cdc) ₂ . <i>Synthetic Metals</i> , 1993, 56, 1688-1693.	2.1	6
41	The Liturgical Cope of D. Teotónio of Braganza: Material Characterization of a 16th Century <i>Pluviale</i> . <i>Microscopy and Microanalysis</i> , 2015, 21, 2-14.	0.2	6
42	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
43	Stucco Marble in the Portuguese Architecture: Multi-analytical Characterisation. <i>International Journal of Architectural Heritage</i> , 2020, 14, 977-993.	1.7	6
44	Diet and mobility during the Christian conquest of Iberia: The multi-isotopic investigation of a 12th-13th century military order in Évora, Portugal. <i>Journal of Archaeological Science: Reports</i> , 2020, 30, 102210.	0.2	6
45	Multivariate geostatistical analysis of stable isotopes in Portuguese varietal extra virgin olive oils. <i>Microchemical Journal</i> , 2020, 157, 105044.	2.3	6
46	Spatial and Temporal Distribution of the Multi-element Signatures of the Estuarine Non-indigenous Bivalve <i>Ruditapes philippinarum</i> . <i>Biological Trace Element Research</i> , 2022, 200, 385-401.	1.9	5
47	An unusual mural paintings at the charola of the convent of tomar: Red lakes and organic binders. <i>Color Research and Application</i> , 2016, 41, 258-262.	0.8	4
48	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
49	All that glitters is not gold: silver leaf gilding, another means to an end. <i>Conservar Património</i> , 0, 22, 29-40.	0.5	4
50	Rediscovering the materials of Arraiolos tapestries: fibre and mordant analysis by SEM-EDS and ¹³ C-PIXE. <i>Microscopy and Microanalysis</i> , 2008, 14, 91-94.	0.2	3
51	Traditional dyeing – an educational approach. <i>Chemistry Education Research and Practice</i> , 2014, 15, 610-619.	1.4	3
52	Bone stable isotope data of the Late Roman population (4th-7th centuries CE) from Mondragones (Granada): A dietary reconstruction in a Roman villa context of south-eastern Spain. <i>Journal of Archaeological Science: Reports</i> , 2020, 33, 102566.	0.2	3
53	Formulation of goat's milk yogurt with fig powder: Aromatic profile, physicochemical and microbiological characteristics. <i>Food Science and Technology International</i> , 2021, 27, 712-725.	1.1	3
54	The comparative study of four Portuguese sixteenth-century illuminated Manueline Charters based on spectroscopy and chemometrics analysis. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	2

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55	The National Museum of Colombia's "Francisco Pizarro's Banner of Arms": A multianalytical approach to help uncovering its history. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	2
56	Unveiling the mural painting art of Almada Negreiros at the Maritime Stations of Alcântara (Lisbon): diagnosis research of paint layers as a guide for its future conservation. <i>Ge-Conservacion</i> , 0, 20, 105-117.	0.1	2
57	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
58	Electroanalytical Study of Macluraxanthone: A Natural Product with a Strong Antioxidant and Antimalarial Activity. <i>Electroanalysis</i> , 2017, 29, 2062-2070.	1.5	1
59	The Wooden Roof Framing Elements, Furniture and Furnishing of the Etruscan Domus of the Dolia of Vetulonia (Southern Tuscany, Italy). <i>Heritage</i> , 2021, 4, 1938-1961.	0.9	1
60	Theoretical Study on the Influence of Iron Mordant in the Optical Properties of Natural Dyes. <i>Materials Science Forum</i> , 0, 587-588, 608-612.	0.3	0
61	Material study of a liturgical cope from the 16th century. <i>Microscopy and Microanalysis</i> , 2015, , 1-3.	0.2	0
62	A Multi-Analytical Study of Egyptian Funerary Artifacts from Three Portuguese Museum Collections. <i>Heritage</i> , 2021, 4, 2973-2995.	0.9	0