

Elena Martínez-Carballo

List of Publications by Year in descending order

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67
papers

5,134
citations

147566

31
h-index

98622

67
g-index

67
all docs

67
docs citations

67
times ranked

6593
citing authors

#	ARTICLE	IF	CITATIONS
1	The mobility and degradation of pesticides in soils and the pollution of groundwater resources. Agriculture, Ecosystems and Environment, 2008, 123, 247-260.	2.5	982
2	Removal of selected pharmaceuticals, fragrances and endocrine disrupting compounds in a membrane bioreactor and conventional wastewater treatment plants. Water Research, 2005, 39, 4797-4807.	5.3	806
3	Environmental monitoring study of selected veterinary antibiotics in animal manure and soils in Austria. Environmental Pollution, 2007, 148, 570-579.	3.7	544
4	Determination of selected organophosphate esters in the aquatic environment of Austria. Science of the Total Environment, 2007, 388, 290-299.	3.9	260
5	Determination of selected quaternary ammonium compounds by liquid chromatography with mass spectrometry. Part I. Application to surface, waste and indirect discharge water samples in Austria. Environmental Pollution, 2007, 145, 489-496.	3.7	143
6	Effects of toasting procedures on the levels of polycyclic aromatic hydrocarbons in toasted bread. Food Chemistry, 2008, 108, 607-615.	4.2	136
7	Occurrence of polycyclic aromatic hydrocarbons and their hydroxylated metabolites in infant foods. Food Chemistry, 2009, 115, 814-819.	4.2	135
8	Determination of phenolic compounds in wines: Influence of bottle storage of young red wines on their evolution. Food Chemistry, 2007, 105, 248-259.	4.2	125
9	Determination of selected quaternary ammonium compounds by liquid chromatography with mass spectrometry. Part II. Application to sediment and sludge samples in Austria. Environmental Pollution, 2007, 146, 543-547.	3.7	118
10	Pattern recognition of three Vitis vinifera L. red grapes varieties based on anthocyanin and flavonol profiles, with correlations between their biosynthesis pathways. Food Chemistry, 2012, 130, 9-19.	4.2	98
11	A Critical Review about Human Exposure to Polychlorinated Dibenzo-p-Dioxins (PCDDs), Polychlorinated Dibenzofurans (PCDFs) and Polychlorinated Biphenyls (PCBs) through Foods. Critical Reviews in Food Science and Nutrition, 2015, 55, 1590-1617.	5.4	96
12	Influence of major polyphenols on antioxidant activity in Mencía and Brancellao red wines. Food Chemistry, 2009, 113, 53-60.	4.2	92
13	Method optimization for determination of selected perfluorinated alkylated substances in water samples. Analytical and Bioanalytical Chemistry, 2006, 386, 2123-2132.	1.9	91
14	Effect of Beer Marinades on Formation of Polycyclic Aromatic Hydrocarbons in Charcoal-Grilled Pork. Journal of Agricultural and Food Chemistry, 2014, 62, 2638-2643.	2.4	89
15	Effects of a chemical company fire on the occurrence of polycyclic aromatic hydrocarbons in plant foods. Food Chemistry, 2008, 108, 347-353.	4.2	88
16	A Critical Review about the Health Risk Assessment of PAHs and Their Metabolites in Foods. Critical Reviews in Food Science and Nutrition, 2015, 55, 1383-1405.	5.4	84
17	Profiling, distribution and levels of carcinogenic polycyclic aromatic hydrocarbons in traditional smoked plant and animal foods. Food Control, 2016, 59, 581-590.	2.8	71
18	Phenolic compounds and colour stability of Vinhão wines: Influence of wine-making protocol and fining agents. Food Chemistry, 2008, 106, 18-26.	4.2	65

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19	Survey of polycyclic aromatic hydrocarbons in canned bivalves and investigation of their potential sources. <i>Food Research International</i> , 2009, 42, 983-988.	2.9	61
20	Determination of quaternary ammonium herbicides in soils. <i>Journal of Chromatography A</i> , 2008, 1196-1197, 110-116.	1.8	59
21	Removal of polycyclic aromatic hydrocarbons from organic solvents by ashes wastes. <i>Journal of Hazardous Materials</i> , 2010, 178, 273-281.	6.5	52
22	Quaternary herbicides retention by the amendment of acid soils with a bentonite-based waste from wineries. <i>Journal of Hazardous Materials</i> , 2009, 164, 769-775.	6.5	51
23	Influence of Copper on the Adsorption and Desorption of Paraquat, Diquat, and Difenzoquat in Vineyard Acid Soils. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 6219-6226.	2.4	49
24	Occurrence and Downslope Mobilization of Quaternary Herbicide Residues in Vineyard-Devoted Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 80, 407-411.	1.3	48
25	Comparative performance of extraction strategies for polycyclic aromatic hydrocarbons in peats. <i>Journal of Chromatography A</i> , 2009, 1216, 5235-5241.	1.8	47
26	Pre-industrial accumulation of anthropogenic polycyclic aromatic hydrocarbons found in a blanket bog of the Iberian Peninsula. <i>Environmental Research</i> , 2012, 116, 36-43.	3.7	40
27	Searching ingredients polluted by polycyclic aromatic hydrocarbons in feeds due to atmospheric or pyrolytic sources. <i>Food Chemistry</i> , 2012, 135, 2043-2051.	4.2	40
28	The potential of solvent-minimized extraction methods in the determination of polycyclic aromatic hydrocarbons in fish oils. <i>Food Chemistry</i> , 2013, 139, 1036-1043.	4.2	38
29	Perspective on pre- and post-natal agro-food exposure to persistent organic pollutants and their effects on quality of life. <i>Environment International</i> , 2017, 100, 79-101.	4.8	34
30	Carbofuran Sorption Kinetics by Corn Crop Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2006, 77, 267-273.	1.3	31
31	Determination of metalaxyl and identification of adjuvants in wettable powder pesticide technical formulas. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1535-1544.	1.9	31
32	Prenatal exposure to organic pollutants in northwestern Spain using non-invasive matrices (placenta) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	31
33	Screening of organic pollutants in pet hair samples and the significance of environmental factors. <i>Science of the Total Environment</i> , 2018, 625, 311-319.	3.9	30
34	Supersaturated experimental designs. New approaches to building and using it. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000, 52, 167-182.	1.8	29
35	Optimization of purification processes to remove polycyclic aromatic hydrocarbons (PAHs) in polluted raw fish oils. <i>Science of the Total Environment</i> , 2014, 470-471, 917-924.	3.9	29
36	Optimization of selective pressurized liquid extraction of organic pollutants in placenta to evaluate prenatal exposure. <i>Journal of Chromatography A</i> , 2017, 1495, 1-11.	1.8	26

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37	Application of strategic sample composition to the screening of anti-inflammatory drugs in water samples using solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2004, 524, 63-71.	2.6	25
38	The use of manures for detection and quantification of polycyclic aromatic hydrocarbons and 3-hydroxybenzo[a]pyrene in animal husbandry. <i>Science of the Total Environment</i> , 2008, 406, 279-286.	3.9	22
39	Strategic sample composition in the screening of polycyclic aromatic hydrocarbons in drinking water samples using liquid chromatography with fluorimetric detection. <i>Journal of Chromatography A</i> , 2004, 1056, 121-130.	1.8	21
40	Behaviour of thermal waters through granite rocks based on residence time and inorganic pattern. <i>Journal of Hydrology</i> , 2009, 373, 329-336.	2.3	21
41	Distribution of polychlorinated biphenyls in both products and by-products of a mussel shell incinerator facility. <i>Environmental Science and Pollution Research</i> , 2011, 18, 1139-1146.	2.7	21
42	Polycyclic Aromatic Hydrocarbons in Soil Organic Horizons Depending on the Soil Burn Severity and Type of Ecosystem. <i>Land Degradation and Development</i> , 2018, 29, 2112-2123.	1.8	20
43	Supersaturated experimental designs: new approaches to building and using it. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001, 57, 75-92.	1.8	19
44	Influence of new fungicides "metiram and pyraclostrobin" on <i>Saccharomyces cerevisiae</i> yeast growth and alcoholic fermentation course for wine production. Influencia de los nuevos fungicidas "metiram y piraclostrobina" en el crecimiento de la levadura <i>Saccharomyces cerevisiae</i> y en el curso de la fermentación alcohólica para la elaboración de vino. <i>CYTA - Journal of Food</i> , 2011, 9, 329-334.	0.9	19
45	Organic pollutants profiling of wood ashes from biomass power plants linked to the ash characteristics. <i>Science of the Total Environment</i> , 2016, 544, 535-543.	3.9	19
46	Meat quality in relation to swine well-being after transport and during lairage at the slaughterhouse. <i>Meat Science</i> , 2018, 142, 38-43.	2.7	16
47	Feed Ingredients Mainly Contributing to Polycyclic Aromatic Hydrocarbon and Polychlorinated Biphenyl Residues. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 280-295.	1.4	15
48	Inputs of polychlorinated biphenyl residues in animal feeds. <i>Food Chemistry</i> , 2013, 140, 296-304.	4.2	14
49	Applicability of an In-Vitro Digestion Model to Assess the Bioaccessibility of Phenolic Compounds from Olive-Related Products. <i>Molecules</i> , 2021, 26, 6667.	1.7	14
50	Development of an improved extraction and HPLC method for the measurement of ascorbic acid in cows' milk from processing plants and retail outlets. <i>International Journal of Food Science and Technology</i> , 2014, 49, 679-688.	1.3	12
51	Determination of kinetic bioconcentration in mussels after short term exposure to polycyclic aromatic hydrocarbons. <i>Heliyon</i> , 2017, 3, e00231.	1.4	12
52	A Metabolomics Approach Reveals Immunomodulatory Effects of Proteinaceous Molecules Derived From Gut Bacteria Over Human Peripheral Blood Mononuclear Cells. <i>Frontiers in Microbiology</i> , 2018, 9, 2701.	1.5	12
53	Non-invasive biomonitoring of organic pollutants using feather samples in feral pigeons (<i>Columba</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 3.7 11	3.7	11
54	Strategically designed sample composition for fastest screening of polychlorinated biphenyl congeners in water samples. <i>Journal of Environmental Monitoring</i> , 2002, 4, 490-497.	2.1	10

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55	Atmospheric pollutants in fog and rain events at the northwestern mountains of the Iberian Peninsula. <i>Science of the Total Environment</i> , 2014, 497-498, 188-199.	3.9	10
56	Feeds and Corresponding Footprints of Residual Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls Based on Their Constituents. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 248-264.	1.4	9
57	Liquid chromatography–mass spectrometry method development for monitoring stress-related corticosteroids levels in pig saliva. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 990, 158-163.	1.2	9
58	Association between placenta concentrations polybrominated and polychlorinated biphenyls and gestational diabetes mellitus: a case-control study in northwestern Spain. <i>Environmental Science and Pollution Research</i> , 2021, 28, 10292-10301.	2.7	9
59	Screening of Polychlorinated Biphenyls in Water Samples by Strategic Sample Composition-Solid Phase Extraction and Gas Chromatography Tandem Mass Spectrometry. Comparison of Different Strategies for Sample Composition. <i>International Journal of Environmental Analytical Chemistry</i> , 2003, 83, 269-284.	1.8	8
60	Decontamination solutions for polychlorinated biphenyls (PCBs) in raw fish oils from environmentally contaminated sea fishes. <i>Science of the Total Environment</i> , 2014, 468-469, 1007-1013.	3.9	8
61	Wild boar (<i>Sus scrofa</i>) as bioindicator for environmental exposure to organic pollutants. <i>Chemosphere</i> , 2021, 268, 128848.	4.2	8
62	Metabolomics Insights of the Immunomodulatory Activities of Phlorizin and Phloretin on Human THP-1 Macrophages. <i>Molecules</i> , 2021, 26, 787.	1.7	8
63	Determination of organic pollutants in meconium and its relationship with fetal growth. Case control study in Northwestern Spain. <i>Journal of Perinatal Medicine</i> , 2021, 49, 884-896.	0.6	4
64	Optimization of a new selective pressurized liquid extraction methodology for determining organic pollutants in wild boar livers. <i>MethodsX</i> , 2021, 8, 101242.	0.7	3
65	Hydrogeothermal modelling vs. inorganic chemical composition of thermal waters from the area of Carballiño (NW Spain). <i>Hydrology and Earth System Sciences</i> , 2012, 16, 157-166.	1.9	2
66	Rapid liquid chromatographic method for the control of doxycycline and tiamulin residues and their metabolites in vivo assays with pigs: Treatment and depletion. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 190, 113428.	1.4	2
67	Unravelling the immunomodulatory role of apple phenolic rich extracts on human THP-1- derived macrophages using multiplatform metabolomics. <i>Food Research International</i> , 2022, 155, 111037.	2.9	2