

# Bárbara Socas-Rodríguez

## List of Publications by Year in descending order

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62  
papers

1,964  
citations

236612

25  
h-index

253896

43  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2027  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capillary electromigration methods for food analysis and Foodomics: Advances and applications in the period February 2019â€February 2021. <i>Electrophoresis</i> , 2022, 43, 37-56.	1.3	14
2	Simultaneous Determination of Vitamin D and Its Hydroxylated and Esterified Metabolites by Ultrahigh-Performance Supercritical Fluid Chromatographyâ€Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 3065-3073.	3.2	11
3	Safety assessment of citrus and olive by-products using a sustainable methodology based on natural deep eutectic solvents. <i>Journal of Chromatography A</i> , 2022, 1669, 462922.	1.8	12
4	Application of polyaniline-based magnetic-dispersive-solid-phase microextraction combined with liquid chromatography tandem mass spectrometry for the evaluation of plastic migrants in food matrices. <i>Journal of Chromatography A</i> , 2022, 1670, 462988.	1.8	11
5	Application of a Liquid-Liquid Microextraction Method Based on a Natural Hydrophobic Deep Eutectic Solvent for the Extraction of Plastic Migrants from Kombuchas. <i>Molecules</i> , 2022, 27, 178.	1.7	7
6	Deep eutectic solvents. The new generation of green solvents in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116108.	5.8	125
7	Sustainable polypyrrole-based magnetic-microextraction of phthalates from jellies and apple-based beverages prior to tandem mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2021, 1637, 461858.	1.8	5
8	Development of a Green Alternative Vortex-Assisted Dispersive Liquidâ€Liquid Microextraction Based on Natural Hydrophobic Deep Eutectic Solvents for the Analysis of Phthalate Esters in Soft Drinks. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2161-2170.	3.2	38
9	Quality assessment of environmental water by a simple and fast non-ionic hydrophobic natural deep eutectic solvent-based extraction procedure combined with liquid chromatography tandem mass spectrometry for the determination of plastic migrants. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1967-1981.	1.9	35
10	Recent Applications of Deep Eutectic Solvents in Environmental Analysis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4779.	1.3	16
11	Deep Eutectic Solvents for the Extraction of Bioactive Compounds from Natural Sources and Agricultural By-Products. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4897.	1.3	69
12	INITIATION OF UNDERGRADUATE STUDENTS IN â€œONE VARIABLE AT A TIMEâ€OPTIMISATION THROUGH A PRACTICAL PERSPECTIVE. , 2021, , .		0
13	LEARNING THE CONCEPT OF â€œGREEN CHEMISTRYâ€BY A PRACTICAL APPROACH: APPLICATION OF GREEN METRIC STRATEGIES. , 2021, , .		0
14	Food by-products and food wastes: are they safe enough for their valorization?. <i>Trends in Food Science and Technology</i> , 2021, 114, 133-147.	7.8	78
15	Green food analysis: Current trends and perspectives. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 31, 100522.	3.2	12
16	Novel applications of nanotechnology in food safety assessment. , 2021, , 461-505.		1
17	Combinations of Nanomaterials and Deep Eutectic Solvents as Innovative Materials in Food Analysis. <i>Processes</i> , 2021, 9, 2131.	1.3	5
18	Carbon-based adsorbents. , 2020, , 83-127.		4

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19	Metal organic framework composite, nano-Fe <sub>3</sub> O <sub>4</sub> @Fe-(benzene-1,3,5-tricarboxylic acid), for solid phase extraction of blood lipid regulators from water. <i>Talanta</i> , 2020, 207, 120275.	2.9	32
20	A green and simple procedure based on deep eutectic solvents for the extraction of phthalates from beverages. <i>Food Chemistry</i> , 2020, 312, 125798.	4.2	41
21	Recent Applications of Magnetic Nanoparticles in Food Analysis. <i>Processes</i> , 2020, 8, 1140.	1.3	16
22	Critical review and re-assessment of analyte protectants in gas chromatography. <i>Journal of Chromatography A</i> , 2020, 1632, 461596.	1.8	15
23	Recent Advances in the Analysis of Vitamin D and Its Metabolites in Food Matrices. <i>Separations</i> , 2020, 7, 36.	1.1	5
24	Comparison of Pesticide Residue Levels in Red Wines from Canary Islands, Iberian Peninsula, and Cape Verde. <i>Foods</i> , 2020, 9, 1555.	1.9	10
25	Development of a QuEChERS-based method combined with gas chromatography-mass spectrometry for the analysis of alkanes in sediments. <i>Microchemical Journal</i> , 2020, 155, 104774.	2.3	7
26	Deep eutectic solvents. , 2020, , 123-177.		6
27	A simple, fast and easy methodology for the monitoring of plastic migrants in alcoholic and non-alcoholic beverages using the QuEChERS method prior to gas chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1551-1561.	1.9	11
28	Nano-liquid chromatography combined with a sustainable microextraction based on natural deep eutectic solvents for analysis of phthalate esters. <i>Electrophoresis</i> , 2020, 41, 1768-1775.	1.3	13
29	A RESEARCH PROJECT FOR UNDERGRADUATE STUDENTS: INTRODUCTION TO SUSTAINABLE CHEMISTRY. <i>EDULEARN Proceedings</i> , 2020, , .	0.0	0
30	BRINGING SCIENCE TO SECONDARY SCHOOL: A MOTIVATING STRATEGY INVOLVING PHD STUDENTS. <i>EDULEARN Proceedings</i> , 2020, , .	0.0	0
31	A NOVEL DIDACTIC APPROACH: TEACHING IN SECONDARY EDUCATION FROM A RESEARCH PERSPECTIVE. , 2020, , .		0
32	PRACTICAL INITIATION TO MASS SPECTROMETRY FOR POSTGRADUATES. STUDY OF REAL APPLICATIONS IN FOOD ANALYSIS. , 2020, , .		0
33	Nanomaterials as alternative dispersants for the multiresidue analysis of phthalates in soil samples using matrix solid phase dispersion prior to ultra-high performance liquid chromatography tandem mass spectrometry. <i>Chemosphere</i> , 2019, 236, 124377.	4.2	14
34	Current trends in QuEChERS method. A versatile procedure for food, environmental and biological analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 214-235.	5.8	121
35	Organophosphorus Pesticides (OPPs) in Bread and Flours. , 2019, , 53-70.		4
36	Determination of phthalic acid esters in different baby food samples by gas chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5617-5628.	1.9	26

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37	Multiresidue analysis of oestrogenic compounds in cow, goat, sheep and human milk using core-shell polydopamine coated magnetic nanoparticles as extraction sorbent in micro-dispersive solid-phase extraction followed by ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2031-2042.	1.9	32
38	Determination of phthalic acid esters in water samples by hollow fiber liquid-phase microextraction prior to gas chromatography tandem mass spectrometry. <i>Chemosphere</i> , 2018, 201, 254-261.	4.2	42
39	Analytical methods for the determination of phthalates in food. <i>Current Opinion in Food Science</i> , 2018, 22, 122-136.	4.1	42
40	Reduced graphene oxide-coated magnetic-nanoparticles as sorbent for the determination of phthalates in environmental samples by micro-dispersive solid-phase extraction followed by ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1565, 36-47.	1.8	49
41	New Trends in Analytical Sciences "Nanomaterials". , 2018, , 1-33.		0
42	Carbon Nanomaterials in Sample Preparation. <i>RSC Detection Science</i> , 2018, , 37-68.	0.0	0
43	Dissipation kinetics of organophosphorus pesticides in milled toasted maize and wheat flour (gofio) during storage. <i>Food Chemistry</i> , 2017, 229, 854-859.	4.2	23
44	Multiresidue determination of estrogens in different dairy products by ultra-high-performance liquid chromatography triple quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1496, 58-67.	1.8	25
45	Recent applications of nanomaterials in capillary electrophoresis. <i>Electrophoresis</i> , 2017, 38, 2431-2446.	1.3	22
46	Determination of phthalic acid esters in water samples using core-shell poly(dopamine) magnetic nanoparticles and gas chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1530, 35-44.	1.8	33
47	Recent applications of nanomaterials in food safety. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 96, 172-200.	5.8	66
48	Multiclass analytical method for the determination of natural/synthetic steroid hormones, phytoestrogens, and mycoestrogens in milk and yogurt. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4467-4477.	1.9	20
49	Recent Advances and Developments in the QuEChERS Method. <i>Comprehensive Analytical Chemistry</i> , 2017, , 319-374.	0.7	16
50	Core-shell poly(dopamine) magnetic nanoparticles for the extraction of estrogenic mycotoxins from milk and yogurt prior to LC-MS analysis. <i>Food Chemistry</i> , 2017, 215, 362-368.	4.2	53
51	Estrogenic Compounds in Yogurt. , 2017, , 451-472.		0
52	Nanomaterials as sorbents for food sample analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 203-220.	5.8	76
53	Application of multiwalled carbon nanotubes as sorbents for the extraction of mycotoxins in water samples and infant milk formula prior to high performance liquid chromatography mass spectrometry analysis. <i>Electrophoresis</i> , 2016, 37, 1359-1366.	1.3	18
54	Evaluation of two molecularly imprinted polymers for the solid-phase extraction of natural, synthetic and mycoestrogens from environmental water samples before liquid chromatography with mass spectrometry. <i>Journal of Separation Science</i> , 2015, 38, 2692-2699.	1.3	26

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55	Evolution and applications of the QuEChERS method. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 169-185.	5.8	291
56	Core-shell polydopamine magnetic nanoparticles as sorbent in micro-dispersive solid-phase extraction for the determination of estrogenic compounds in water samples prior to high-performance liquid chromatography-mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2015, 1397, 1-10.	1.8	56
57	Determination of estrogens in environmental water samples using 1,3-dipentylimidazolium hexafluorophosphate ionic liquid as extraction solvent in dispersive liquid-liquid microextraction. <i>Electrophoresis</i> , 2014, 35, 2479-2487.	1.3	25
58	Analysis of oestrogenic compounds in dairy products by hollow-fibre liquid-phase microextraction coupled to liquid chromatography. <i>Food Chemistry</i> , 2014, 149, 319-325.	4.2	36
59	Recent applications of carbon nanotube sorbents in analytical chemistry. <i>Journal of Chromatography A</i> , 2014, 1357, 110-146.	1.8	112
60	Hollow-fiber liquid-phase microextraction for the determination of natural and synthetic estrogens in milk samples. <i>Journal of Chromatography A</i> , 2013, 1313, 175-184.	1.8	42
61	Chromatographic analysis of natural and synthetic estrogens in milk and dairy products. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 44, 58-77.	5.8	52
62	New opportunities for the study of organic films applied on metals for corrosion protection by means of alternating current scanning electrochemical microscopy. <i>Progress in Organic Coatings</i> , 2012, 74, 371-375.	1.9	6