Ana Ballesteros-GÃ³mez

List of Publications by Year
in descending order

63 papers	3,700 citations	109311 35 h-index	128286 60 g-index
65 all docs	65 docs citations	65 times ranked	4339 citing authors

#	Article	IF	Citations
1	Analytical methods for the determination of bisphenol A in food. Journal of Chromatography A, 2009, 1216, 449-469.	3.7	351
2	Supramolecular solvents in the extraction of organic compounds. A review. Analytica Chimica Acta, 2010, 677, 108-130.	5.4	259
3	Prenatal exposure to bisphenol AÂand phthalates and childhood respiratory tract infections and allergy. Journal of Allergy and Clinical Immunology, 2015, 135, 370-378.e7.	2.9	203
4	Bisphenol A and replacements in thermal paper: A review. Chemosphere, 2017, 182, 691-706.	8.2	154
5	Potential of supramolecular solvents for the extraction of contaminants in liquid foods. Journal of Chromatography A, 2009, 1216, 530-539.	3.7	147
6	Environment-Responsive Alkanol-Based Supramolecular Solvents: Characterization and Potential as Restricted Access Property and Mixed-Mode Extractants. Analytical Chemistry, 2012, 84, 342-349.	6.5	121
7	Exposure to Bisphenol A and Phthalates during Pregnancy and Ultrasound Measures of Fetal Growth in the INMA-Sabadell Cohort. Environmental Health Perspectives, 2016, 124, 521-528.	6.0	119
8	Prenatal Bisphenol A Urine Concentrations and Early Rapid Growth and Overweight Risk in the Offspring. Epidemiology, 2013, 24, 791-799.	2.7	116
9	Hemimicelles of Alkyl Carboxylates Chemisorbed onto Magnetic Nanoparticles: Study and Application to the Extraction of Carcinogenic Polycyclic Aromatic Hydrocarbons in Environmental Water Samples. Analytical Chemistry, 2009, 81, 9012-9020.	6.5	114
10	Dietary and sociodemographic determinants of bisphenol A urine concentrations in pregnant women and children. Environment International, 2013, 56, 10-18.	10.0	110
11	Presence of diphenyl phosphate and aryl-phosphate flame retardants in indoor dust from different microenvironments in Spain and the Netherlands and estimation of human exposure. Environment International, 2018, 112, 59-67.	10.0	108
12	Green Solvents for the Extraction of High Added-Value Compounds from Agri-food Waste. Food Engineering Reviews, 2020, 12, 83-100.	5.9	102
13	Determination of bisphenols A and F and their diglycidyl ethers in wastewater and river water by coacervative extraction and liquid chromatographyâ€“fluorimetry. Analytica Chimica Acta, 2007, 603, 51-59.	5.4	99
14	Recent Advances in Environmental Analysis. Analytical Chemistry, 2011, 83, 4579-4613.	6.5	97
15	In vitro metabolism of 2-ethylhexyldiphenyl phosphate (EHDPHP) by human liver microsomes. Toxicology Letters, 2015, 232, 203-212.	0.8	95
16	Exposure to bisphenol A during pregnancy and child neuropsychological development in the INMA-Sabadell cohort. Environmental Research, 2015, 142, 671-679.	7.5	91
17	In Vitro Human Metabolism of the Flame Retardant Resorcinol Bis(diphenylphosphate) (RDP). Environmental Science & Technology, 2015, 49, 3897-3904.	10.0	75
18	Tetrahydrofuranâ€“water extraction, in-line clean-up and selective liquid chromatography/tandem mass spectrometry for the quantitation of perfluorinated compounds in food at the low picogram per gram level. Journal of Chromatography A, 2010, 1217, 5913-5921.	3.7	70

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19	Bisphenol A alternatives in thermal paper from the Netherlands, Spain, Sweden and Norway. Screening and potential toxicity. Science of the Total Environment, 2017, 601-602, 210-221.	8.0	70
20	Novel Analytical Methods for Flame Retardants and Plasticizers Based on Gas Chromatography, Comprehensive Two-Dimensional Gas Chromatography, and Direct Probe Coupled to Atmospheric Pressure Chemical Ionization-High Resolution Time-of-Flight-Mass Spectrometry. Analytical Chemistry, 2013, 85, 9572-9580.	6.5	54
21	Hyphenating Supramolecular Solvents and Liquid Chromatography: Tips for Efficient Extraction and Reliable Determination of Organics. Chromatographia, 2019, 82, 111-124.	1.3	52
22	Analysis of two alternative organophosphorus flame retardants in electronic and plastic consumer products: Resorcinol bis-(diphenylphosphate) (PBDPP) and bisphenol A bis (diphenylphosphate) (BPA-BDPP). Chemosphere, 2014, 116, 10-14.	8.2	51
23	Determination of polycyclic aromatic hydrocarbons (PAH4) in food by vesicular supramolecular solvent-based microextraction and LCâ€“fluorescence detection. Food Chemistry, 2014, 143, 341-347.	8.2	50
24	Does Biotransformation of Aryl Phosphate Flame Retardants in Blood Cast a New Perspective on Their Debated Biomarkers?. Environmental Science & Technology, 2016, 50, 12439-12445.	10.0	50
25	Single-step extraction and cleanup of bisphenol A in soft drinks by hemimicellar magnetic solid phase extraction prior to liquid chromatography/tandem mass spectrometry. Analytica Chimica Acta, 2013, 778, 31-37.	5.4	49
26	Children's exposure to polybrominated diphenyl ethers (PBDEs) through mouthing toys. Environment International, 2016, 87, 101-107.	10.0	48
27	Valorization of spent coffee grounds by supramolecular solvent extraction. Separation and Purification Technology, 2019, 228, 115759.	7.9	48
28	A Novel Brominated Triazine-based Flame Retardant (TTBP-TAZ) in Plastic Consumer Products and Indoor Dust. Environmental Science & Technology, 2014, 48, 4468-4474.	10.0	47
29	Flame retardants: Dust â€“ And not food â€“ Might be the risk. Chemosphere, 2016, 150, 461-464.	8.2	45
30	Impurities of Resorcinol Bis(diphenyl phosphate) in Plastics and Dust Collected on Electric/Electronic Material. Environmental Science & Technology, 2016, 50, 1934-1940.	10.0	42
31	Analysis of perfluorinated compounds in biota by microextraction with tetrahydrofuran and liquid chromatography/ion isolation-based ion-trap mass spectrometry. Journal of Chromatography A, 2010, 1217, 3774-3782.	3.7	41
32	Coacervative extraction of Ochratoxin A in wines prior to liquid chromatography/fluorescence determination. Analytica Chimica Acta, 2008, 617, 3-10.	5.4	39
33	A review on contaminants of emerging concern in European raptors (2002â^'2020). Science of the Total Environment, 2021, 760, 143337.	8.0	38
34	Determination of priority carcinogenic polycyclic aromatic hydrocarbons in wastewater and surface water by coacervative extraction and liquid chromatographyâ€“fluorimetry. Journal of Chromatography A, 2008, 1203, 168-176.	3.7	36
35	Supramolecular solvent-based microextraction of ochratoxin A in raw wheat prior to liquid chromatography-fluorescence determination. Journal of Chromatography A, 2010, 1217, 2376-2382.	3.7	36
36	Restricted access supramolecular solvents for sample treatment in enzyme-linked immuno-sorbent assay of mycotoxins in food. Analytica Chimica Acta, 2016, 935, 129-135.	5.4	35

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37	Supramolecular solvent extraction of bioactives from coffee cherry pulp. Journal of Food Engineering, 2020, 278, 109933.	5.2	34
38	Supramolecular solvent-based microextraction of emerging bisphenol A replacements (colour) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	8.2	32
39	Direct probe atmospheric pressure photoionization/atmospheric pressure chemical ionization high-resolution mass spectrometry for fast screening of flame retardants and plasticizers in products and waste. Analytical and Bioanalytical Chemistry, 2014, 406, 2503-2512.	3.7	29
40	Assessment of ionic liquid stationary phases for the determination of polychlorinated biphenyls, organochlorine pesticides and polybrominated diphenyl ethers. Journal of Chromatography A, 2014, 1348, 158-163.	3.7	28
41	Identification of Novel Brominated Compounds in Flame Retarded Plastics Containing TBBPA by Combining Isotope Pattern and Mass Defect Cluster Analysis. Environmental Science & Technology, 2017, 51, 1518-1526.	10.0	26
42	Comprehensive characterisation of flame retardants in textile furnishings by ambient high resolution mass spectrometry, gas chromatography-mass spectrometry and environmental forensic microscopy. Environmental Research, 2015, 142, 712-719.	7.5	25
43	A simple and rapid extraction method for sensitive determination of perfluoroalkyl substances in blood serum suitable for exposure evaluation. Journal of Chromatography A, 2012, 1235, 84-91.	3.7	23
44	Multifunctional vesicular coacervates as engineered supramolecular solvents for wastewater treatment. Chemosphere, 2019, 223, 569-576.	8.2	23
45	Bioaccumulation potential of bisphenols and benzophenone UV filters: A multiresidue approach in raptor tissues. Science of the Total Environment, 2020, 741, 140330.	8.0	20
46	Supramolecular biosolvents made up of self-assembled rhamnolipids: synthesis and characterization. Green Chemistry, 2020, 22, 6115-6126.	9.0	19
47	Emerging bisphenol a replacements (colour developers) in indoor dust from Spain. Emerging Contaminants, 2019, 5, 168-172.	4.9	18
48	Highly Selective Screening of Estrogenic Compounds in Consumer-Electronics Plastics by Liquid Chromatography in Parallel Combined with Nanofractionation-Bioactivity Detection and Mass Spectrometry. Environmental Science & Technology, 2016, 50, 12385-12393.	10.0	17
49	Screening of additives in plastics with high resolution time-of-flight mass spectrometry and different ionization sources: direct probe injection (DIP)-APCI, LC-APCI, and LC-ion booster ESI. Analytical and Bioanalytical Chemistry, 2016, 408, 2945-2953.	3.7	16
50	Supramolecular solvent-based microextraction of aryl-phosphate flame retardants in indoor dust from houses and education buildings in Spain. Science of the Total Environment, 2020, 733, 139291.	8.0	16
51	Determination of monoamine neurotransmitters in zebrafish (Danio rerio) by gas chromatography coupled to mass spectrometry with a two-step derivatization. Analytical and Bioanalytical Chemistry, 2017, 409, 2931-2939.	3.7	14
52	Mass spectrometric identification of inÂvitro-generated metabolites of two emerging organophosphate flame retardants: V6 and BDP. Chemosphere, 2018, 212, 1047-1057.	8.2	13
53	Multi-class determination of intracellular and extracellular cyanotoxins in freshwater samples by ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. Chemosphere, 2021, 274, 129770.	8.2	13
54	Identification strategies for flame retardants employing timeâ€ofâ€flight mass spectrometric detectors along with spectral and spectraâ€less databases. Journal of Mass Spectrometry, 2015, 50, 1031-1038.	1.6	11

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55	Supramolecular solvent-based high-throughput sample treatment for monitoring phytohormones in plant tissues. Talanta, 2020, 219, 121249.	5.5	9
56	Supramolecular solvents for the valorization of coffee wastewater. Environmental Science: Water Research and Technology, 2020, 6, 757-766.	2.4	8
57	Double-headed amphiphile-based sponge droplets: synthesis, characterization and potential for the extraction of compounds over a wide polarity range. Talanta, 2022, 239, 123108.	5.5	8
58	Tailoring composition and nanostructures in supramolecular solvents: Impact on the extraction efficiency of polyphenols from vegetal biomass. Separation and Purification Technology, 2022, 292, 120991.	7.9	8
59	A comprehensive study on the performance of different retention mechanisms in sport drug testing by liquid chromatography tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1178, 122821.	2.3	7
60	Cubosomic Supramolecular Solvents: Synthesis, Characterization, and Potential for High-Throughput Multiclass Testing of Banned Substances in Urine. Analytical Chemistry, 2022, 94, 4103-4111.	6.5	7
61	Tunable solvency mixtures of tetrahydrofuran:water for efficient and fast extraction/clean-up of trace contaminants. Journal of Chromatography A, 2019, 1602, 135-141.	3.7	5
62	Supramolecular solvent-based microextraction probe for fast detection of bisphenols by ambient mass spectrometry. Chemosphere, 2022, 294, 133719.	8.2	5
63	An environmentally stable supramolecular biosolvent: Characterization and study of its potential for the elimination of polar toxic substances in water. Journal of Cleaner Production, 2021, 321, 128975.	9.3	4