

Ana Ballesteros-Gmez

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

2,865
citations

32
h-index

53
g-index

65
ext. papers

3,254
ext. citations

7.2
avg, IF

5.65
L-index

#	Paper	IF	Citations
64	Supramolecular solvent-based microextraction probe for fast detection of bisphenols by ambient mass spectrometry.. <i>Chemosphere</i> , 2022 , 133719	8.4	0
63	Cubosomic Supramolecular Solvents: Synthesis, Characterization, and Potential for High-Throughput Multiclass Testing of Banned Substances in Urine.. <i>Analytical Chemistry</i> , 2022 ,	7.8	1
62	Tailoring composition and nanostructures in supramolecular solvents: Impact on the extraction efficiency of polyphenols from vegetal biomass. <i>Separation and Purification Technology</i> , 2022 , 292, 120991	8.3	0
61	Double-headed amphiphile-based sponge droplets: synthesis, characterization and potential for the extraction of compounds over a wide polarity range. <i>Talanta</i> , 2021 , 239, 123108	6.2	5
60	Multi-class determination of intracellular and extracellular cyanotoxins in freshwater samples by ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Chemosphere</i> , 2021 , 274, 129770	8.4	6
59	A comprehensive study on the performance of different retention mechanisms in sport drug testing by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1178, 122821	3.2	1
58	A review on contaminants of emerging concern in European raptors (2002-2020). <i>Science of the Total Environment</i> , 2021 , 760, 143337	10.2	16
57	An environmentally stable supramolecular biosolvent: Characterization and study of its potential for the elimination of polar toxic substances in water. <i>Journal of Cleaner Production</i> , 2021 , 321, 128975	10.3	
56	Supramolecular solvent-based microextraction of aryl-phosphate flame retardants in indoor dust from houses and education buildings in Spain. <i>Science of the Total Environment</i> , 2020 , 733, 139291	10.2	6
55	Bioaccumulation potential of bisphenols and benzophenone UV filters: A multiresidue approach in raptor tissues. <i>Science of the Total Environment</i> , 2020 , 741, 140330	10.2	8
54	Supramolecular solvent-based high-throughput sample treatment for monitoring phytohormones in plant tissues. <i>Talanta</i> , 2020 , 219, 121249	6.2	2
53	Supramolecular solvents for the valorization of coffee wastewater. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 757-766	4.2	5
52	Supramolecular solvent extraction of bioactives from coffee cherry pulp. <i>Journal of Food Engineering</i> , 2020 , 278, 109933	6	14
51	Green Solvents for the Extraction of High Added-Value Compounds from Agri-food Waste. <i>Food Engineering Reviews</i> , 2020 , 12, 83-100	6.5	53
50	Supramolecular biosolvents made up of self-assembled rhamnolipids: synthesis and characterization. <i>Green Chemistry</i> , 2020 , 22, 6115-6126	10	8
49	Supramolecular solvent-based microextraction of emerging bisphenol A replacements (colour developers) in indoor dust from public environments. <i>Chemosphere</i> , 2019 , 222, 22-28	8.4	18
48	Tunable solvency mixtures of tetrahydrofuran:water for efficient and fast extraction/clean-up of trace contaminants. <i>Journal of Chromatography A</i> , 2019 , 1602, 135-141	4.5	4

47	Emerging bisphenol a replacements (colour developers) in indoor dust from Spain. <i>Emerging Contaminants</i> , 2019 , 5, 168-172	5.8	7
46	Multifunctional vesicular coacervates as engineered supramolecular solvents for wastewater treatment. <i>Chemosphere</i> , 2019 , 223, 569-576	8.4	20
45	Valorization of spent coffee grounds by supramolecular solvent extraction. <i>Separation and Purification Technology</i> , 2019 , 228, 115759	8.3	28
44	Hyphenating Supramolecular Solvents and Liquid Chromatography: Tips for Efficient Extraction and Reliable Determination of Organics. <i>Chromatographia</i> , 2019 , 82, 111-124	2.1	33
43	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. <i>Environment International</i> , 2018 , 112, 59-67	12.9	71
42	Mass spectrometric identification of in vitro-generated metabolites of two emerging organophosphate flame retardants: V6 and BDP. <i>Chemosphere</i> , 2018 , 212, 1047-1057	8.4	8
41	Determination of monoamine neurotransmitters in zebrafish (<i>Danio rerio</i>) by gas chromatography coupled to mass spectrometry with a two-step derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2931-2939	4.4	11
40	Bisphenol A and replacements in thermal paper: A review. <i>Chemosphere</i> , 2017 , 182, 691-706	8.4	99
39	Bisphenol A alternatives in thermal paper from the Netherlands, Spain, Sweden and Norway. Screening and potential toxicity. <i>Science of the Total Environment</i> , 2017 , 601-602, 210-221	10.2	51
38	Identification of Novel Brominated Compounds in Flame Retarded Plastics Containing TBBPA by Combining Isotope Pattern and Mass Defect Cluster Analysis. <i>Environmental Science & Technology</i> , 2017 , 51, 1518-1526	10.3	20
37	Restricted access supramolecular solvents for sample treatment in enzyme-linked immuno-sorbent assay of mycotoxins in food. <i>Analytica Chimica Acta</i> , 2016 , 935, 129-35	6.6	29
36	Highly Selective Screening of Estrogenic Compounds in Consumer-Electronics Plastics by Liquid Chromatography in Parallel Combined with Nanofractionation-Bioactivity Detection and Mass Spectrometry. <i>Environmental Science & Technology</i> , 2016 , 50, 12385-12393	10.3	16
35	Does Biotransformation of Aryl Phosphate Flame Retardants in Blood Cast a New Perspective on Their Debated Biomarkers?. <i>Environmental Science & Technology</i> , 2016 , 50, 12439-12445	10.3	37
34	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. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2945-53	4.4	11
33	Impurities of Resorcinol Bis(diphenyl phosphate) in Plastics and Dust Collected on Electric/Electronic Material. <i>Environmental Science & Technology</i> , 2016 , 50, 1934-40	10.3	32
32	Flame retardants: Dust - And not food - Might be the risk. <i>Chemosphere</i> , 2016 , 150, 461-464	8.4	40
31	Children's exposure to polybrominated diphenyl ethers (PBDEs) through mouthing toys. <i>Environment International</i> , 2016 , 87, 101-7	12.9	32
30	Exposure to Bisphenol A and Phthalates during Pregnancy and Ultrasound Measures of Fetal Growth in the INMA-Sabadell Cohort. <i>Environmental Health Perspectives</i> , 2016 , 124, 521-8	8.4	93

29	In vitro human metabolism of the flame retardant resorcinol bis(diphenylphosphate) (RDP). <i>Environmental Science & Technology</i> , 2015 , 49, 3897-904	10.3	62
28	Comprehensive characterisation of flame retardants in textile furnishings by ambient high resolution mass spectrometry, gas chromatography-mass spectrometry and environmental forensic microscopy. <i>Environmental Research</i> , 2015 , 142, 712-9	7.9	21
27	In vitro metabolism of 2-ethylhexyldiphenyl phosphate (EHDPHP) by human liver microsomes. <i>Toxicology Letters</i> , 2015 , 232, 203-12	4.4	69
26	Identification strategies for flame retardants employing time-of-flight mass spectrometric detectors along with spectral and spectra-less databases. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 1031-1038	2.3	8
25	Exposure to bisphenol A during pregnancy and child neuropsychological development in the INMA-Sabadell cohort. <i>Environmental Research</i> , 2015 , 142, 671-9	7.9	65
24	Prenatal exposure to bisphenol A and phthalates and childhood respiratory tract infections and allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 135, 370-8	11.5	148
23	A novel brominated triazine-based flame retardant (TTBP-TAZ) in plastic consumer products and indoor dust. <i>Environmental Science & Technology</i> , 2014 , 48, 4468-74	10.3	41
22	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. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 2503-12	4.4	28
21	Assessment of ionic liquid stationary phases for the determination of polychlorinated biphenyls, organochlorine pesticides and polybrominated diphenyl ethers. <i>Journal of Chromatography A</i> , 2014 , 1348, 158-63	4.5	25
20	Analysis of two alternative organophosphorus flame retardants in electronic and plastic consumer products: resorcinol bis-(diphenylphosphate) (PBDPP) and bisphenol A bis (diphenylphosphate) (BPA-BDPP). <i>Chemosphere</i> , 2014 , 116, 10-4	8.4	41
19	Determination of polycyclic aromatic hydrocarbons (PAH4) in food by vesicular supramolecular solvent-based microextraction and LC-fluorescence detection. <i>Food Chemistry</i> , 2014 , 143, 341-7	8.5	44
18	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. <i>Analytical Chemistry</i> , 2013 , 85, 2570-8	7.8	50
17	Single-step extraction and cleanup of bisphenol A in soft drinks by hemimicellar magnetic solid phase extraction prior to liquid chromatography/tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2013 , 778, 31-7	6.6	41
16	Dietary and sociodemographic determinants of bisphenol A urine concentrations in pregnant women and children. <i>Environment International</i> , 2013 , 56, 10-8	12.9	94
15	Prenatal bisphenol a urine concentrations and early rapid growth and overweight risk in the offspring. <i>Epidemiology</i> , 2013 , 24, 791-9	3.1	103
14	Environment-responsive alkanol-based supramolecular solvents: characterization and potential as restricted access property and mixed-mode extractants. <i>Analytical Chemistry</i> , 2012 , 84, 342-9	7.8	94
13	A simple and rapid extraction method for sensitive determination of perfluoroalkyl substances in blood serum suitable for exposure evaluation. <i>Journal of Chromatography A</i> , 2012 , 1235, 84-91	4.5	20
12	Bisphenol A 2012 , 349-365		

11	Recent advances in environmental analysis. <i>Analytical Chemistry</i> , 2011 , 83, 4579-613	7.8	88
10	Tetrahydrofuran-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. <i>Journal of Chromatography A</i> , 2010 , 1217, 5913-21	4.5	60
9	Supramolecular solvents in the extraction of organic compounds. A review. <i>Analytica Chimica Acta</i> , 2010 , 677, 108-30	6.6	213
8	Supramolecular solvent-based microextraction of ochratoxin A in raw wheat prior to liquid chromatography-fluorescence determination. <i>Journal of Chromatography A</i> , 2010 , 1217, 2376-82	4.5	34
7	Analysis of perfluorinated compounds in biota by microextraction with tetrahydrofuran and liquid chromatography/ion isolation-based ion-trap mass spectrometry. <i>Journal of Chromatography A</i> , 2010 , 1217, 3774-82	4.5	33
6	Potential of supramolecular solvents for the extraction of contaminants in liquid foods. <i>Journal of Chromatography A</i> , 2009 , 1216, 530-9	4.5	126
5	Analytical methods for the determination of bisphenol A in food. <i>Journal of Chromatography A</i> , 2009 , 1216, 449-69	4.5	303
4	Hemimicelles of alkyl carboxylates chemisorbed onto magnetic nanoparticles: study and application to the extraction of carcinogenic polycyclic aromatic hydrocarbons in environmental water samples. <i>Analytical Chemistry</i> , 2009 , 81, 9012-20	7.8	109
3	Coacervative extraction of Ochratoxin A in wines prior to liquid chromatography/fluorescence determination. <i>Analytica Chimica Acta</i> , 2008 , 617, 3-10	6.6	37
2	Determination of priority carcinogenic polycyclic aromatic hydrocarbons in wastewater and surface water by coacervative extraction and liquid chromatography-fluorimetry. <i>Journal of Chromatography A</i> , 2008 , 1203, 168-76	4.5	33
1	Determination of bisphenols A and F and their diglycidyl ethers in wastewater and river water by coacervative extraction and liquid chromatography-fluorimetry. <i>Analytica Chimica Acta</i> , 2007 , 603, 51-9	6.6	90