

Ana Ballesteros-Gómez

List of Publications by Year in descending order

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Version: 2024-02-01

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	Double-headed amphiphile-based sponge droplets: synthesis, characterization and potential for the extraction of compounds over a wide polarity range. <i>Talanta</i> , 2022, 239, 123108.	5.5	8
2	Supramolecular solvent-based microextraction probe for fast detection of bisphenols by ambient mass spectrometry. <i>Chemosphere</i> , 2022, 294, 133719.	8.2	5
3	Cubosomic Supramolecular Solvents: Synthesis, Characterization, and Potential for High-Throughput Multiclass Testing of Banned Substances in Urine. <i>Analytical Chemistry</i> , 2022, 94, 4103-4111.	6.5	7
4	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.	7.9	8
5	A review on contaminants of emerging concern in European raptors (2002~2020). <i>Science of the Total Environment</i> , 2021, 760, 143337.	8.0	38
6	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.	8.2	13
7	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.	2.3	7
8	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.	9.3	4
9	Green Solvents for the Extraction of High Added-Value Compounds from Agri-food Waste. <i>Food Engineering Reviews</i> , 2020, 12, 83-100.	5.9	102
10	Supramolecular biosolvents made up of self-assembled rhamnolipids: synthesis and characterization. <i>Green Chemistry</i> , 2020, 22, 6115-6126.	9.0	19
11	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.	8.0	16
12	Bioaccumulation potential of bisphenols and benzophenone UV filters: A multiresidue approach in raptor tissues. <i>Science of the Total Environment</i> , 2020, 741, 140330.	8.0	20
13	Supramolecular solvent-based high-throughput sample treatment for monitoring phytohormones in plant tissues. <i>Talanta</i> , 2020, 219, 121249.	5.5	9
14	Supramolecular solvents for the valorization of coffee wastewater. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 757-766.	2.4	8
15	Supramolecular solvent extraction of bioactives from coffee cherry pulp. <i>Journal of Food Engineering</i> , 2020, 278, 109933.	5.2	34
16	Valorization of spent coffee grounds by supramolecular solvent extraction. <i>Separation and Purification Technology</i> , 2019, 228, 115759.	7.9	48
17	Supramolecular solvent-based microextraction of emerging bisphenol A replacements (colour) Tj ETQq1 1 0.784314 rgBT /Overlock 101	8.2	32
18	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.	3.7	5

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19	Emerging bisphenol a replacements (colour developers) in indoor dust from Spain. <i>Emerging Contaminants</i> , 2019, 5, 168-172.	4.9	18
20	Multifunctional vesicular coacervates as engineered supramolecular solvents for wastewater treatment. <i>Chemosphere</i> , 2019, 223, 569-576.	8.2	23
21	Hyphenating Supramolecular Solvents and Liquid Chromatography: Tips for Efficient Extraction and Reliable Determination of Organics. <i>Chromatographia</i> , 2019, 82, 111-124.	1.3	52
22	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.	10.0	108
23	Mass spectrometric identification of in vitro-generated metabolites of two emerging organophosphate flame retardants: V6 and BDP. <i>Chemosphere</i> , 2018, 212, 1047-1057.	8.2	13
24	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.	3.7	14
25	Bisphenol A and replacements in thermal paper: A review. <i>Chemosphere</i> , 2017, 182, 691-706.	8.2	154
26	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.	8.0	70
27	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.	10.0	26
28	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, 521-528.	6.0	119
29	Restricted access supramolecular solvents for sample treatment in enzyme-linked immuno-sorbent assay of mycotoxins in food. <i>Analytica Chimica Acta</i> , 2016, 935, 129-135.	5.4	35
30	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.	10.0	17
31	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.	10.0	50
32	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, 2945-2953.	3.7	16
33	Impurities of Resorcinol Bis(diphenyl phosphate) in Plastics and Dust Collected on Electric/Electronic Material. <i>Environmental Science & Technology</i> , 2016, 50, 1934-1940.	10.0	42
34	Flame retardants: Dust “ And not food “ Might be the risk. <i>Chemosphere</i> , 2016, 150, 461-464.	8.2	45
35	Children's exposure to polybrominated diphenyl ethers (PBDEs) through mouthing toys. <i>Environment International</i> , 2016, 87, 101-107.	10.0	48
36	Identification strategies for flame retardants employing time-of-flight mass spectrometric detectors along with spectral and spectralless databases. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1031-1038.	1.6	11

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37	Exposure to bisphenol A during pregnancy and child neuropsychological development in the INMA-Sabadell cohort. <i>Environmental Research</i> , 2015, 142, 671-679.	7.5	91
38	Prenatal exposure to bisphenol A and phthalates and childhood respiratory tract infections and allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 370-378.e7.	2.9	203
39	In Vitro Human Metabolism of the Flame Retardant Resorcinol Bis(diphenylphosphate) (RDP). <i>Environmental Science & Technology</i> , 2015, 49, 3897-3904.	10.0	75
40	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, 712-719.	7.5	25
41	In vitro metabolism of 2-ethylhexyldiphenyl phosphate (EHDPHP) by human liver microsomes. <i>Toxicology Letters</i> , 2015, 232, 203-212.	0.8	95
42	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, 10-14.	8.2	51
43	Determination of polycyclic aromatic hydrocarbons (PAH4) in food by vesicular supramolecular solvent-based microextraction and LC-fluorescence detection. <i>Food Chemistry</i> , 2014, 143, 341-347.	8.2	50
44	A Novel Brominated Triazine-based Flame Retardant (TTBP-TAZ) in Plastic Consumer Products and Indoor Dust. <i>Environmental Science & Technology</i> , 2014, 48, 4468-4474.	10.0	47
45	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, 2503-2512.	3.7	29
46	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, 158-163.	3.7	28
47	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, 9572-9580.	6.5	54
48	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, 31-37.	5.4	49
49	Dietary and sociodemographic determinants of bisphenol A urine concentrations in pregnant women and children. <i>Environment International</i> , 2013, 56, 10-18.	10.0	110
50	Prenatal Bisphenol A Urine Concentrations and Early Rapid Growth and Overweight Risk in the Offspring. <i>Epidemiology</i> , 2013, 24, 791-799.	2.7	116
51	Environment-Responsive Alkanol-Based Supramolecular Solvents: Characterization and Potential as Restricted Access Property and Mixed-Mode Extractants. <i>Analytical Chemistry</i> , 2012, 84, 342-349.	6.5	121
52	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.	3.7	23
53	Recent Advances in Environmental Analysis. <i>Analytical Chemistry</i> , 2011, 83, 4579-4613.	6.5	97
54	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, 5913-5921.	3.7	70

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55	Supramolecular solvents in the extraction of organic compounds. A review. <i>Analytica Chimica Acta</i> , 2010, 677, 108-130.	5.4	259
56	Supramolecular solvent-based microextraction of ochratoxin A in raw wheat prior to liquid chromatography-fluorescence determination. <i>Journal of Chromatography A</i> , 2010, 1217, 2376-2382.	3.7	36
57	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, 3774-3782.	3.7	41
58	Potential of supramolecular solvents for the extraction of contaminants in liquid foods. <i>Journal of Chromatography A</i> , 2009, 1216, 530-539.	3.7	147
59	Analytical methods for the determination of bisphenol A in food. <i>Journal of Chromatography A</i> , 2009, 1216, 449-469.	3.7	351
60	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, 9012-9020.	6.5	114
61	Coacervative extraction of Ochratoxin A in wines prior to liquid chromatography/fluorescence determination. <i>Analytica Chimica Acta</i> , 2008, 617, 3-10.	5.4	39
62	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, 168-176.	3.7	36
63	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, 51-59.	5.4	99