

Rosa Montes

List of Publications by Citations

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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.

60
papers

1,328
citations

19
h-index

34
g-index

63
ext. papers

1,637
ext. citations

6.4
avg, IF

4.44
L-index

#	Paper	IF	Citations
60	Solid-phase extraction followed by dispersive liquid-liquid microextraction for the sensitive determination of selected fungicides in wine. <i>Journal of Chromatography A</i> , 2009 , 1216, 5459-66	4.5	116
59	Olive oil polyphenols enhance high-density lipoprotein function in humans: a randomized controlled trial. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2115-9	9.4	100
58	Spatio-temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. <i>Addiction</i> , 2020 , 115, 109-120	4.6	88
57	Dispersive liquid-liquid microextraction applied to the simultaneous derivatization and concentration of triclosan and methyltriclosan in water samples. <i>Journal of Chromatography A</i> , 2009 , 1216, 205-10	4.5	86
56	Occurrence of emerging persistent and mobile organic contaminants in European water samples. <i>Water Research</i> , 2019 , 153, 80-90	12.5	78
55	Development of a matrix solid-phase dispersion method for the screening of polybrominated diphenyl ethers and polychlorinated biphenyls in biota samples using gas chromatography with electron-capture detection. <i>Journal of Chromatography A</i> , 2005 , 1072, 83-91	4.5	54
54	Screening for Polar Chemicals in Water by Trifunctional Mixed-Mode Liquid Chromatography-High Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2017 , 51, 6250-6259	10.3	46
53	Improving wastewater-based epidemiology to estimate cannabis use: focus on the initial aspects of the analytical procedure. <i>Analytica Chimica Acta</i> , 2017 , 988, 27-33	6.6	45
52	Effect of pork fat addition on the volatile compounds of foal dry-cured sausage. <i>Meat Science</i> , 2012 , 91, 506-12	6.4	45
51	Polyethylene microplastics do not increase bioaccumulation or toxicity of nonylphenol and 4-MBC to marine zooplankton. <i>Science of the Total Environment</i> , 2019 , 692, 1-9	10.2	41
50	Ecotoxicological Evaluation of the UV Filters Ethylhexyl Dimethyl p-Aminobenzoic Acid and Octocrylene Using Marine Organisms <i>Isochrysis galbana</i> , <i>Mytilus galloprovincialis</i> and <i>Paracentrotus lividus</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2017 , 72, 606-611	3.2	33
49	Mixed-mode solid-phase extraction followed by acetylation and gas chromatography mass spectrometry for the reliable determination of trans-resveratrol in wine samples. <i>Analytica Chimica Acta</i> , 2010 , 673, 47-53	6.6	33
48	Fatty-acid composition of maternal and umbilical cord plasma and early childhood atopic eczema in a Spanish cohort. <i>European Journal of Clinical Nutrition</i> , 2013 , 67, 658-63	5.2	30
47	Multi-residue determination of psychoactive pharmaceuticals, illicit drugs and related metabolites in wastewater by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1569, 91-100	4.5	28
46	Suitability of polypropylene microporous membranes for liquid- and solid-phase extraction of halogenated anisoles from water samples. <i>Journal of Chromatography A</i> , 2008 , 1198-1199, 21-6	4.5	27
45	Chronic effects of triclocarban in the amphipod <i>Gammarus locusta</i> : Behavioural and biochemical impairment. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 135, 276-283	7	23
44	Rapid screening of polychlorinated biphenyls in sediments using non-equilibrium solid-phase microextraction and fast gas chromatography with electron-capture detection. <i>Journal of Chromatography A</i> , 2006 , 1124, 43-50	4.5	22

43	Fatty acid composition of Celta pig breed as influenced by sex and location of fat in the carcass. <i>Journal of the Science of Food and Agriculture</i> , 2012 , 92, 1311-7	4.3	21
42	An innovative photoreactor, FluHelik, to promote UVC/HO photochemical reactions: Tertiary treatment of an urban wastewater. <i>Science of the Total Environment</i> , 2019 , 667, 197-207	10.2	20
41	Alternative sorptive extraction method for gas chromatography determination of halogenated anisoles in water and wine samples. <i>Analytica Chimica Acta</i> , 2007 , 599, 84-91	6.6	18
40	Determination of 18 organophosphorus flame retardants/plasticizers in mussel samples by matrix solid-phase dispersion combined to liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2020 , 208, 120470	6.2	18
39	In-vitro estimation of bioaccessibility of chlorinated organophosphate flame retardants in indoor dust by fasting and fed physiologically relevant extraction tests. <i>Science of the Total Environment</i> , 2017 , 580, 540-549	10.2	17
38	Determination of Persistent and Mobile Organic Contaminants (PMOCs) in Water by Mixed-Mode Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 5176-5183	7.8	17
37	Chronic environmentally relevant levels of simvastatin disrupt embryonic development, biochemical and molecular responses in zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2018 , 201, 47-57	5.1	17
36	Gene expression of desaturase (FADS1 and FADS2) and Elongase (ELOVL5) enzymes in peripheral blood: association with polyunsaturated fatty acid levels and atopic eczema in 4-year-old children. <i>PLoS ONE</i> , 2013 , 8, e78245	3.7	17
35	Association of maternal weight with FADS and ELOVL genetic variants and fatty acid levels- The PREOBE follow-up. <i>PLoS ONE</i> , 2017 , 12, e0179135	3.7	16
34	The Effect of Maternal Obesity on Breast Milk Fatty Acids and Its Association with Infant Growth and Cognition-The PREOBE Follow-Up. <i>Nutrients</i> , 2019 , 11,	6.7	15
33	Vitamins, fatty acids, and antioxidant capacity stability during storage of freeze-dried human milk. <i>International Journal of Food Sciences and Nutrition</i> , 2014 , 65, 703-7	3.7	15
32	Solid-phase microextraction with simultaneous oxidative sample treatment for the sensitive determination of tetra- to hexa-brominated diphenyl ethers in sediments. <i>Journal of Chromatography A</i> , 2010 , 1217, 14-21	4.5	15
31	Suitability of polydimethylsiloxane rods for the headspace sorptive extraction of polybrominated diphenyl ethers from water samples. <i>Journal of Chromatography A</i> , 2007 , 1143, 41-7	4.5	15
30	Chlorination and bromination of 1,3-diphenylguanidine and 1,3-di-o-tolylguanidine: Kinetics, transformation products and toxicity assessment. <i>Journal of Hazardous Materials</i> , 2020 , 385, 121590	12.8	15
29	Assessing population exposure to phthalate plasticizers in thirteen Spanish cities through the analysis of wastewater. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123272	12.8	15
28	Relation between plasma antioxidant vitamin levels, adiposity and cardio-metabolic profile in adolescents: Effects of a multidisciplinary obesity programme. <i>Clinical Nutrition</i> , 2017 , 36, 209-217	5.9	14
27	Changes in plasma fatty acid composition are associated with improvements in obesity and related metabolic disorders: A therapeutic approach to overweight adolescents. <i>Clinical Nutrition</i> , 2018 , 37, 149-156	5.9	14
26	Matrix solid-phase dispersion and solid-phase microextraction applied to study the distribution of fenbutatin oxide in grapes and white wine. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 2601-10	4.4	14

25	Linking chemical exposure to lipid homeostasis: A municipal waste water treatment plant influent is obesogenic for zebrafish larvae. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 182, 109406	7	13
24	First nation-wide estimation of tobacco consumption in Spain using wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2020 , 741, 140384	10.2	12
23	Elaidic, vaccenic, and rumenic acid status during pregnancy: association with maternal plasmatic LC-PUFAs and atopic manifestations in infants. <i>Pediatric Research</i> , 2014 , 76, 470-6	3.2	12
22	Assessing alcohol consumption through wastewater-based epidemiology: Spain as a case study. <i>Drug and Alcohol Dependence</i> , 2020 , 215, 108241	4.9	12
21	Fast determination of virgin olive oil phenolic metabolites in human high-density lipoproteins. <i>Biomedical Chromatography</i> , 2015 , 29, 1035-41	1.7	11
20	Study of bioconcentration of oxybenzone in gilt-head bream and characterization of its by-products. <i>Chemosphere</i> , 2018 , 208, 399-407	8.4	11
19	Determination of the cardiac drug amiodarone and its N-desethyl metabolite in sludge samples. <i>Journal of Chromatography A</i> , 2015 , 1394, 62-70	4.5	11
18	Pressurized liquid extraction followed by gas chromatography with atomic emission detection for the determination of fenbutatin oxide in soil samples. <i>Talanta</i> , 2009 , 79, 598-602	6.2	10
17	Transgenerational inheritance of chemical-induced signature: A case study with simvastatin. <i>Environment International</i> , 2020 , 144, 106020	12.9	9
16	The embodiment of wastewater data for the estimation of illicit drug consumption in Spain. <i>Science of the Total Environment</i> , 2021 , 772, 144794	10.2	7
15	A simple and sensitive approach to quantify methyl farnesoate in whole arthropods by matrix-solid phase dispersion and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2017 , 1508, 158-162	4.5	6
14	Applicability of mixed-mode chromatography for the simultaneous analysis of C-C perfluoroalkylated substances. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 4849-4856	4.4	6
13	Proteomic analysis and biochemical alterations in marine mussel gills after exposure to the organophosphate flame retardant TDCPP. <i>Aquatic Toxicology</i> , 2021 , 230, 105688	5.1	6
12	Evaluation of less invasive methods to assess fatty acids from phospholipid fraction: cheek cell and capillary blood sampling. <i>International Journal of Food Sciences and Nutrition</i> , 2015 , 66, 936-42	3.7	3
11	Functionalized mesoporous silicas SBA-15 for heterogeneous photocatalysis towards CECs removal from secondary urban wastewater. <i>Chemosphere</i> , 2022 , 287, 132023	8.4	3
10	Transcriptomic data on the transgenerational exposure of the keystone amphipod to simvastatin. <i>Data in Brief</i> , 2020 , 32, 106248	1.2	2
9	Source identification of amphetamine-like stimulants in Spanish wastewater through enantiomeric profiling. <i>Water Research</i> , 2021 , 206, 117719	12.5	2
8	Neuroendocrine pathways at risk? Simvastatin induces inter and transgenerational disruption in the keystone amphipod <i>Gammarus locusta</i> . <i>Aquatic Toxicology</i> , 2022 , 244, 106095	5.1	1

- 7 Tracking pollutants in a municipal sewage network impairing the operation of a wastewater treatment plant.. *Science of the Total Environment*, **2022**, 817, 152518 10.2 1
- 6 Use of illicit drugs, alcohol and tobacco in Spain and Portugal during the COVID-19 crisis in 2020 as measured by wastewater-based epidemiology.. *Science of the Total Environment*, **2022**, 155697 10.2 1
- 5 Liquid chromatography quadrupole time-of-flight mass spectrometry identification and determination of tri- and hexaaryl chloro imidazoles in sewage sludge. *Journal of Mass Spectrometry*, **2017**, 52, 69-77 2.2
- 4 Sample Preparation Strategies for Analytical Determinations **2019**, 1-132
- 3 Environmental applications (water) **2020**, 609-645
- 2 Plasticizers **2018**, 309-309
- 1 Transformation products of the high-volume production chemicals 1-vinyl-2-pyrrolidinone and 2-piperazin-1-ylethylamine formed by UV photolysis. *Chemosphere*, **2022**, 287, 132394 8.4