

# Rosa Montes

## List of Publications by Year in Descending Order

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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	Neuroendocrine pathways at risk? Simvastatin induces inter and transgenerational disruption in the keystone amphipod <i>Gammarus locusta</i> .. <i>Aquatic Toxicology</i> , <b>2022</b> , 244, 106095	5.1	1
59	Tracking pollutants in a municipal sewage network impairing the operation of a wastewater treatment plant.. <i>Science of the Total Environment</i> , <b>2022</b> , 817, 152518	10.2	1
58	Transformation products of the high-volume production chemicals 1-vinyl-2-pyrrolidinone and 2-piperazin-1-ylethanamine formed by UV photolysis. <i>Chemosphere</i> , <b>2022</b> , 287, 132394	8.4	
57	Functionalized mesoporous silicas SBA-15 for heterogeneous photocatalysis towards CECs removal from secondary urban wastewater. <i>Chemosphere</i> , <b>2022</b> , 287, 132023	8.4	3
56	Use of illicit drugs, alcohol and tobacco in Spain and Portugal during the COVID-19 crisis in 2020 as measured by wastewater-based epidemiology.. <i>Science of the Total Environment</i> , <b>2022</b> , 155697	10.2	1
55	The embodiment of wastewater data for the estimation of illicit drug consumption in Spain. <i>Science of the Total Environment</i> , <b>2021</b> , 772, 144794	10.2	7
54	Assessing population exposure to phthalate plasticizers in thirteen Spanish cities through the analysis of wastewater. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123272	12.8	15
53	Proteomic analysis and biochemical alterations in marine mussel gills after exposure to the organophosphate flame retardant TDCPP. <i>Aquatic Toxicology</i> , <b>2021</b> , 230, 105688	5.1	6
52	Source identification of amphetamine-like stimulants in Spanish wastewater through enantiomeric profiling. <i>Water Research</i> , <b>2021</b> , 206, 117719	12.5	2
51	First nation-wide estimation of tobacco consumption in Spain using wastewater-based epidemiology. <i>Science of the Total Environment</i> , <b>2020</b> , 741, 140384	10.2	12
50	Applicability of mixed-mode chromatography for the simultaneous analysis of C-C perfluoroalkylated substances. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 4849-4856	4.4	6
49	Spatio-temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. <i>Addiction</i> , <b>2020</b> , 115, 109-120	4.6	88
48	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> , <b>2020</b> , 385, 121590	12.8	15
47	Environmental applications (water) <b>2020</b> , 609-645		
46	Assessing alcohol consumption through wastewater-based epidemiology: Spain as a case study. <i>Drug and Alcohol Dependence</i> , <b>2020</b> , 215, 108241	4.9	12
45	Transgenerational inheritance of chemical-induced signature: A case study with simvastatin. <i>Environment International</i> , <b>2020</b> , 144, 106020	12.9	9
44	Transcriptomic data on the transgenerational exposure of the keystone amphipod to simvastatin. <i>Data in Brief</i> , <b>2020</b> , 32, 106248	1.2	2

43	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> , <b>2020</b> , 208, 120470	6.2	18
42	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> , <b>2019</b> , 11,	6.7	15
41	Determination of Persistent and Mobile Organic Contaminants (PMOCs) in Water by Mixed-Mode Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 5176-5183	7.8	17
40	An innovative photoreactor, FluHelik, to promote UVC/HO photochemical reactions: Tertiary treatment of an urban wastewater. <i>Science of the Total Environment</i> , <b>2019</b> , 667, 197-207	10.2	20
39	Polyethylene microplastics do not increase bioaccumulation or toxicity of nonylphenol and 4-MBC to marine zooplankton. <i>Science of the Total Environment</i> , <b>2019</b> , 692, 1-9	10.2	41
38	Linking chemical exposure to lipid homeostasis: A municipal waste water treatment plant influent is obesogenic for zebrafish larvae. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 182, 109406	7	13
37	Sample Preparation Strategies for Analytical Determinations <b>2019</b> , 1-132		
36	Occurrence of emerging persistent and mobile organic contaminants in European water samples. <i>Water Research</i> , <b>2019</b> , 153, 80-90	12.5	78
35	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> , <b>2018</b> , 37, 149-156	5.9	14
34	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> , <b>2018</b> , 1569, 91-100	4.5	28
33	Chronic environmentally relevant levels of simvastatin disrupt embryonic development, biochemical and molecular responses in zebrafish ( <i>Danio rerio</i> ). <i>Aquatic Toxicology</i> , <b>2018</b> , 201, 47-57	5.1	17
32	Study of bioconcentration of oxybenzone in gill-head bream and characterization of its by-products. <i>Chemosphere</i> , <b>2018</b> , 208, 399-407	8.4	11
31	Plasticizers <b>2018</b> , 309-309		
30	Relation between plasma antioxidant vitamin levels, adiposity and cardio-metabolic profile in adolescents: Effects of a multidisciplinary obesity programme. <i>Clinical Nutrition</i> , <b>2017</b> , 36, 209-217	5.9	14
29	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> , <b>2017</b> , 580, 540-549	10.2	17
28	Liquid chromatography quadrupole time-of-flight mass spectrometry identification and determination of tri- and hexaaryl chloro imidazoles in sewage sludge. <i>Journal of Mass Spectrometry</i> , <b>2017</b> , 52, 69-77	2.2	
27	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> , <b>2017</b> , 72, 606-611	3.2	33
26	Screening for Polar Chemicals in Water by Trifunctional Mixed-Mode Liquid Chromatography-High Resolution Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6250-6259	10.3	46

25	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> , <b>2017</b> , 1508, 158-162	4.5	6
24	Association of maternal weight with FADS and ELOVL genetic variants and fatty acid levels- The PREOBE follow-up. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179135	3.7	16
23	Improving wastewater-based epidemiology to estimate cannabis use: focus on the initial aspects of the analytical procedure. <i>Analytica Chimica Acta</i> , <b>2017</b> , 988, 27-33	6.6	45
22	Chronic effects of triclocarban in the amphipod <i>Gammarus locusta</i> : Behavioural and biochemical impairment. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 135, 276-283	7	23
21	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> , <b>2015</b> , 66, 936-42	3.7	3
20	Fast determination of virgin olive oil phenolic metabolites in human high-density lipoproteins. <i>Biomedical Chromatography</i> , <b>2015</b> , 29, 1035-41	1.7	11
19	Determination of the cardiac drug amiodarone and its N-desethyl metabolite in sludge samples. <i>Journal of Chromatography A</i> , <b>2015</b> , 1394, 62-70	4.5	11
18	Elaidic, vaccenic, and rumenic acid status during pregnancy: association with maternal plasmatic LC-PUFAs and atopic manifestations in infants. <i>Pediatric Research</i> , <b>2014</b> , 76, 470-6	3.2	12
17	Vitamins, fatty acids, and antioxidant capacity stability during storage of freeze-dried human milk. <i>International Journal of Food Sciences and Nutrition</i> , <b>2014</b> , 65, 703-7	3.7	15
16	Olive oil polyphenols enhance high-density lipoprotein function in humans: a randomized controlled trial. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2115-9	9.4	100
15	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> , <b>2013</b> , 67, 658-63	5.2	30
14	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> , <b>2013</b> , 8, e78245	3.7	17
13	Effect of pork fat addition on the volatile compounds of foal dry-cured sausage. <i>Meat Science</i> , <b>2012</b> , 91, 506-12	6.4	45
12	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> , <b>2012</b> , 92, 1311-7	4.3	21
11	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> , <b>2010</b> , 673, 47-53	6.6	33
10	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> , <b>2010</b> , 1217, 14-21	4.5	15
9	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> , <b>2009</b> , 395, 2601-10	4.4	14
8	Dispersive liquid-liquid microextraction applied to the simultaneous derivatization and concentration of triclosan and methyltriclosan in water samples. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 205-10	4.5	86

7	Solid-phase extraction followed by dispersive liquid-liquid microextraction for the sensitive determination of selected fungicides in wine. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 5459-66	4.5	116
6	Pressurized liquid extraction followed by gas chromatography with atomic emission detection for the determination of fenbutatin oxide in soil samples. <i>Talanta</i> , <b>2009</b> , 79, 598-602	6.2	10
5	Suitability of polypropylene microporous membranes for liquid- and solid-phase extraction of halogenated anisoles from water samples. <i>Journal of Chromatography A</i> , <b>2008</b> , 1198-1199, 21-6	4.5	27
4	Suitability of polydimethylsiloxane rods for the headspace sorptive extraction of polybrominated diphenyl ethers from water samples. <i>Journal of Chromatography A</i> , <b>2007</b> , 1143, 41-7	4.5	15
3	Alternative sorptive extraction method for gas chromatography determination of halogenated anisoles in water and wine samples. <i>Analytica Chimica Acta</i> , <b>2007</b> , 599, 84-91	6.6	18
2	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> , <b>2006</b> , 1124, 43-50	4.5	22
1	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> , <b>2005</b> , 1072, 83-91	4.5	54