

# Marta Llorca

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

4,185  
citations

109137

35  
h-index

128067

60  
g-index

65  
all docs

65  
docs citations

65  
times ranked

5336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. <i>Environment International</i> , 2020, 140, 105733.	4.8	338
2	Adsorption of perfluoroalkyl substances on microplastics under environmental conditions. <i>Environmental Pollution</i> , 2018, 235, 680-691.	3.7	220
3	Organic UV filters and their photodegradates, metabolites and disinfection by-products in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 873-887.	5.8	203
4	Hospital wastewater treatment by fungal bioreactor: Removal efficiency for pharmaceuticals and endocrine disruptor compounds. <i>Science of the Total Environment</i> , 2014, 493, 365-376.	3.9	192
5	Determination of glyphosate in groundwater samples using an ultrasensitive immunoassay and confirmation by on-line solid-phase extraction followed by liquid chromatography coupled to tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2335-2345.	1.9	146
6	Emerging food contaminants: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2413-2427.	1.9	130
7	Microalgae cultivation on wastewater digestate: $17\beta$ -estradiol and $17\alpha$ -ethynylestradiol degradation and transformation products identification. <i>Journal of Environmental Management</i> , 2015, 155, 106-113.	3.8	130
8	Perfluoroalkyl substances assessment in drinking waters from Brazil, France and Spain. <i>Science of the Total Environment</i> , 2016, 539, 143-152.	3.9	127
9	Analysis of perfluoroalkyl substances in waters from Germany and Spain. <i>Science of the Total Environment</i> , 2012, 431, 139-150.	3.9	125
10	Analysis of UV filters in tap water and other clean waters in Spain. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2325-2333.	1.9	123
11	Assessment of perfluoroalkyl substances in food items at global scale. <i>Environmental Research</i> , 2014, 135, 181-189.	3.7	116
12	Infant exposure of perfluorinated compounds: Levels in breast milk and commercial baby food. <i>Environment International</i> , 2010, 36, 584-592.	4.8	115
13	Design and optimization of an enzymatic membrane reactor for tetracycline degradation. <i>Catalysis Today</i> , 2014, 236, 146-152.	2.2	107
14	Pharmaceuticals removal and microbial community assessment in a continuous fungal treatment of non-sterile real hospital wastewater after a coagulation-flocculation pretreatment. <i>Water Research</i> , 2017, 116, 65-75.	5.3	99
15	Characterization of metoprolol biodegradation and its transformation products generated in activated sludge batch experiments and in full scale WWTPs. <i>Water Research</i> , 2014, 63, 21-32.	5.3	98
16	Development and validation of a pressurized liquid extraction liquid chromatography-tandem mass spectrometry method for perfluorinated compounds determination in fish. <i>Journal of Chromatography A</i> , 2009, 1216, 7195-7204.	1.8	91
17	Antibiotic resistance along an urban river impacted by treated wastewaters. <i>Science of the Total Environment</i> , 2018, 628-629, 453-466.	3.9	91
18	Trace analysis of polystyrene microplastics in natural waters. <i>Chemosphere</i> , 2019, 236, 124321.	4.2	91

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19	Microplastics in Mediterranean coastal area: toxicity and impact for the environment and human health. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 27, e00090.	5.3	91
20	Perfluorinated Compounds in Food: A Global Perspective. <i>Critical Reviews in Food Science and Nutrition</i> , 2011, 51, 605-625.	5.4	85
21	Wastewater reuse in Mediterranean semi-arid areas: The impact of discharges of tertiary treated sewage on the load of polar micro pollutants in the Llobregat river (NE Spain). <i>Chemosphere</i> , 2011, 82, 670-678.	4.2	80
22	Combination of nanofiltration and ozonation for the remediation of real municipal wastewater effluents: Acute and chronic toxicity assessment. <i>Journal of Hazardous Materials</i> , 2017, 323, 442-451.	6.5	79
23	Identification of new transformation products during enzymatic treatment of tetracycline and erythromycin antibiotics at laboratory scale by an on-line turbulent flow liquid-chromatography coupled to a high resolution mass spectrometer LTQ-Orbitrap. <i>Chemosphere</i> , 2015, 119, 90-98.	4.2	78
24	Development of an extraction and purification method for the determination of multi-class pharmaceuticals and endocrine disruptors in freshwater invertebrates. <i>Talanta</i> , 2015, 132, 373-381.	2.9	73
25	Seasonal variations in the occurrence of perfluoroalkyl substances in water, sediment and fish samples from Ebro Delta (Catalonia, Spain). <i>Science of the Total Environment</i> , 2017, 607-608, 933-943.	3.9	73
26	Removal of pharmaceuticals, polybrominated flame retardants and UV-filters from sludge by the fungus <i>Trametes versicolor</i> in bioslurry reactor. <i>Journal of Hazardous Materials</i> , 2012, 233-234, 235-243.	6.5	70
27	Solid-phase treatment with the fungus <i>Trametes versicolor</i> substantially reduces pharmaceutical concentrations and toxicity from sewage sludge. <i>Bioresource Technology</i> , 2011, 102, 5602-5608.	4.8	69
28	Occurrence and persistence of carbapenemases genes in hospital and wastewater treatment plants and propagation in the receiving river. <i>Journal of Hazardous Materials</i> , 2018, 358, 33-43.	6.5	68
29	Analysis of perfluorinated compounds in sewage sludge by pressurized solvent extraction followed by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 4840-4846.	1.8	65
30	Levels and fate of perfluoroalkyl substances in beached plastic pellets and sediments collected from Greece. <i>Marine Pollution Bulletin</i> , 2014, 87, 286-291.	2.3	65
31	Automated analysis of perfluorinated compounds in human hair and urine samples by turbulent flow chromatography coupled to tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2369-2378.	1.9	64
32	Fungal treatment of metoprolol and its recalcitrant metabolite metoprolol acid in hospital wastewater: Biotransformation, sorption and ecotoxicological impact. <i>Water Research</i> , 2019, 152, 171-180.	5.3	52
33	Review of emerging contaminants in aquatic biota from Latin America: 2002-2016. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1716-1727.	2.2	51
34	Fate of a broad spectrum of perfluorinated compounds in soils and biota from Tierra del Fuego and Antarctica. <i>Environmental Pollution</i> , 2012, 163, 158-166.	3.7	49
35	Priority and emerging organic microcontaminants in three Mediterranean river basins: Occurrence, spatial distribution, and identification of river basin specific pollutants. <i>Science of the Total Environment</i> , 2021, 754, 142344.	3.9	42
36	Sample preservation for the analysis of antibiotics in water. <i>Journal of Chromatography A</i> , 2014, 1369, 43-51.	1.8	39

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37	Adsorption and Desorption Behaviour of Polychlorinated Biphenyls onto Microplastics™ Surfaces in Water/Sediment Systems. <i>Toxics</i> , 2020, 8, 59.	1.6	38
38	Screening of suspected micro(nano)plastics in the Ebro Delta (Mediterranean Sea). <i>Journal of Hazardous Materials</i> , 2021, 404, 124022.	6.5	35
39	Suspect screening of emerging pollutants and their major transformation products in wastewaters treated with fungi by liquid chromatography coupled to a high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1439, 124-136.	1.8	32
40	Delivery of unprecedented amounts of perfluoroalkyl substances towards the deep-sea. <i>Science of the Total Environment</i> , 2015, 526, 41-48.	3.9	31
41	Metabolic Responses of <i>Mytilus galloprovincialis</i> to Fullerenes in Mesocosm Exposure Experiments. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1002-1013.	4.6	29
42	Combining an effect-based methodology with chemical analysis for antibiotics determination in wastewater and receiving freshwater and marine environment. <i>Environmental Pollution</i> , 2021, 271, 116313.	3.7	29
43	Current Insights into Potential Effects of Micro-Nanoplastics on Human Health by in-vitro Tests. <i>Frontiers in Toxicology</i> , 2021, 3, 752140.	1.6	28
44	An automated on-line turbulent flow liquid-chromatography technology coupled to a high resolution mass spectrometer LTQ-Orbitrap for suspect screening of antibiotic transformation products during microalgae wastewater treatment. <i>Journal of Chromatography A</i> , 2018, 1568, 57-68.	1.8	27
45	Levels of regulated POPs in fish samples from the Sava River Basin. Comparison to legislated quality standard values. <i>Science of the Total Environment</i> , 2019, 647, 20-28.	3.9	24
46	Study of the performance of three LC-MS/MS platforms for analysis of perfluorinated compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1145-1159.	1.9	23
47	Photolysis of the antidepressants amisulpride and desipramine in wastewaters: Identification of transformation products formed and their fate. <i>Science of the Total Environment</i> , 2015, 530-531, 434-444.	3.9	23
48	Polymers of micro(nano) plastic in household tap water of the Barcelona Metropolitan Area. <i>Water Research</i> , 2022, 220, 118645.	5.3	23
49	Fungal treatment for the removal of endocrine disrupting compounds from reverse osmosis concentrate: Identification and monitoring of transformation products of benzotriazoles. <i>Chemosphere</i> , 2017, 184, 1054-1070.	4.2	20
50	Volatile dimethylsiloxanes in market seafood and freshwater fish from the Xàquer River, Spain. <i>Science of the Total Environment</i> , 2016, 545-546, 236-243.	3.9	18
51	Fungal biodegradation of the N-nitrosodimethylamine precursors venlafaxine and O-desmethylvenlafaxine in water. <i>Environmental Pollution</i> , 2019, 246, 346-356.	3.7	18
52	Analysis of perfluoroalkyl substances in cord blood by turbulent flow chromatography coupled to tandem mass spectrometry. <i>Science of the Total Environment</i> , 2012, 433, 151-160.	3.9	17
53	Screening and Quantification of Micro(Nano)Plastics and Plastic Additives in the Seawater of Mar Menor Lagoon. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	10
54	Sample treatment procedures for environmental sensing and biosensing. <i>Current Opinion in Biotechnology</i> , 2017, 45, 170-174.	3.3	7

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55	Perfluoroalkyl phosphonic acids adsorption behaviour and removal by wastewater organisms. Science of the Total Environment, 2018, 636, 273-281.	3.9	5
56	Perfluorinated Compoundsâ€™ Analysis, Environmental Fate and Occurrence: The Llobregat River as Case Study. Handbook of Environmental Chemistry, 2012, , 193-237.	0.2	3
57	Environmental risks of sewage sludge reuse in agriculture. Advances in Chemical Pollution, Environmental Management and Protection, 2020, , 137-180.	0.3	3
58	A fast and simple procedure for determination of perfluoroalkyl substances in food and feed: a method verification by an interlaboratory study. Analytical and Bioanalytical Chemistry, 2013, 405, 7817-7827.	1.9	2
59	Perfluorinated Compounds in Food. Handbook of Environmental Chemistry, 2012, , 127-153.	0.2	2
60	Perfluorinated Compounds in Drinking Water, Food and Human Samples. Handbook of Environmental Chemistry, 2012, , 337-373.	0.2	1
61	Response to Letter to the Editor regarding â€œDetermination of glyphosate in groundwater samples using an ultrasensitive immunoassay and confirmation by on-line solid phase extraction followed by liquid chromatography coupled to tandem mass spectrometryâ€. Analytical and Bioanalytical Chemistry, 2012, 404, 615-616.	1.9	0
62	Metabolomics strategies and analytical techniques for the investigation of contaminants of industrial origin. , 2020, , 195-233.		0
63	PERFLUORINATED CHEMICALS AND ANOGENITAL DISTANCE: PRELIMINARY APPROACH. ISEE Conference Abstracts, 2011, 2011, .	0.0	0