Marta Llorca

List of Publications by Year
in descending order

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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	Polymers of micro(nano) plastic in household tap water of the Barcelona Metropolitan Area. Water Research, 2022, 220, 118645.	5.3	23
2	Priority and emerging organic microcontaminants in three Mediterranean river basins: Occurrence, spatial distribution, and identification of river basin specific pollutants. Science of the Total Environment, 2021, 754, 142344.	3.9	42
3	Screening of suspected micro(nano)plastics in the Ebro Delta (Mediterranean Sea). Journal of Hazardous Materials, 2021, 404, 124022.	6.5	35
4	Combining an effect-based methodology with chemical analysis for antibiotics determination in wastewater and receiving freshwater and marine environment. Environmental Pollution, 2021, 271, 116313.	3.7	29
5	Current Insights into Potential Effects of Micro-Nanoplastics on Human Health by in-vitro Tests. Frontiers in Toxicology, 2021, 3, 752140.	1.6	28
6	Screening and Quantification of Micro(Nano)Plastics and Plastic Additives in the Seawater of Mar Menor Lagoon. Frontiers in Marine Science, 2021, 8, .	1.2	10
7	Adsorption and Desorption Behaviour of Polychlorinated Biphenyls onto Microplasticsâ€™ Surfaces in Water/Sediment Systems. Toxics, 2020, 8, 59.	1.6	38
8	Environmental risks of sewage sludge reuse in agriculture. Advances in Chemical Pollution, Environmental Management and Protection, 2020, , 137-180.	0.3	3
9	Microplastics in Mediterranean coastal area: toxicity and impact for the environment and human health. Trends in Environmental Analytical Chemistry, 2020, 27, e00090.	5.3	91
10	Metabolomics strategies and analytical techniques for the investigation of contaminants of industrial origin. , 2020, , 195-233.		0
11	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. Environment International, 2020, 140, 105733.	4.8	338
12	Levels of regulated POPs in fish samples from the Sava River Basin. Comparison to legislated quality standard values. Science of the Total Environment, 2019, 647, 20-28.	3.9	24
13	Trace analysis of polystyrene microplastics in natural waters. Chemosphere, 2019, 236, 124321.	4.2	91
14	Fungal treatment of metoprolol and its recalcitrant metabolite metoprolol acid in hospital wastewater: Biotransformation, sorption and ecotoxicological impact. Water Research, 2019, 152, 171-180.	5.3	52
15	Fungal biodegradation of the N-nitrosodimethylamine precursors venlafaxine and O-desmethylvenlafaxine in water. Environmental Pollution, 2019, 246, 346-356.	3.7	18
16	Antibiotic resistance along an urban river impacted by treated wastewaters. Science of the Total Environment, 2018, 628-629, 453-466.	3.9	91
17	Adsorption of perfluoroalkyl substances on microplastics under environmental conditions. Environmental Pollution, 2018, 235, 680-691.	3.7	220
18	Perfluoroalkyl phosphonic acids adsorption behaviour and removal by wastewater organisms. Science of the Total Environment, 2018, 636, 273-281.	3.9	5

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19	Metabolic Responses of Mytilus galloprovincialis to Fullerenes in Mesocosm Exposure Experiments. Environmental Science & Technology, 2018, 52, 1002-1013.	4.6	29
20	Occurrence and persistence of carbapenemases genes in hospital and wastewater treatment plants and propagation in the receiving river. Journal of Hazardous Materials, 2018, 358, 33-43.	6.5	68
21	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. Journal of Chromatography A, 2018, 1568, 57-68.	1.8	27
22	Combination of nanofiltration and ozonation for the remediation of real municipal wastewater effluents: Acute and chronic toxicity assessment. Journal of Hazardous Materials, 2017, 323, 442-451.	6.5	79
23	Pharmaceuticals removal and microbial community assessment in a continuous fungal treatment of non-sterile real hospital wastewater after a coagulation-flocculation pretreatment. Water Research, 2017, 116, 65-75.	5.3	99
24	Sample treatment procedures for environmental sensing and biosensing. Current Opinion in Biotechnology, 2017, 45, 170-174.	3.3	7
25	Fungal treatment for the removal of endocrine disrupting compounds from reverse osmosis concentrate: Identification and monitoring of transformation products of benzotriazoles. Chemosphere, 2017, 184, 1054-1070.	4.2	20
26	Seasonal variations in the occurrence of perfluoroalkyl substances in water, sediment and fish samples from Ebro Delta (Catalonia, Spain). Science of the Total Environment, 2017, 607-608, 933-943.	3.9	73
27	Review of emerging contaminants in aquatic biota from Latin America: 2002â€“2016. Environmental Toxicology and Chemistry, 2017, 36, 1716-1727.	2.2	51
28	Volatile dimethylsiloxanes in market seafood and freshwater fish from the XÃºquer River, Spain. Science of the Total Environment, 2016, 545-546, 236-243.	3.9	18
29	Perfluoroalkyl substances assessment in drinking waters from Brazil, France and Spain. Science of the Total Environment, 2016, 539, 143-152.	3.9	127
30	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. Journal of Chromatography A, 2016, 1439, 124-136.	1.8	32
31	Photolysis of the antidepressants amisulpride and desipramine in wastewaters: Identification of transformation products formed and their fate. Science of the Total Environment, 2015, 530-531, 434-444.	3.9	23
32	Delivery of unprecedented amounts of perfluoroalkyl substances towards the deep-sea. Science of the Total Environment, 2015, 526, 41-48.	3.9	31
33	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. Chemosphere, 2015, 119, 90-98.	4.2	78
34	Microalgae cultivation on wastewater digestate: Î²-estradiol and 17Î±-ethynylestradiol degradation and transformation products identification. Journal of Environmental Management, 2015, 155, 106-113.	3.8	130
35	Development of an extraction and purification method for the determination of multi-class pharmaceuticals and endocrine disruptors in freshwater invertebrates. Talanta, 2015, 132, 373-381.	2.9	73
36	Design and optimization of an enzymatic membrane reactor for tetracycline degradation. Catalysis Today, 2014, 236, 146-152.	2.2	107

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37	Sample preservation for the analysis of antibiotics in water. Journal of Chromatography A, 2014, 1369, 43-51.	1.8	39
38	Hospital wastewater treatment by fungal bioreactor: Removal efficiency for pharmaceuticals and endocrine disruptor compounds. Science of the Total Environment, 2014, 493, 365-376.	3.9	192
39	Levels and fate of perfluoroalkyl substances in beached plastic pellets and sediments collected from Greece. Marine Pollution Bulletin, 2014, 87, 286-291.	2.3	65
40	Characterization of metoprolol biodegradation and its transformation products generated in activated sludge batch experiments and in full scale WWTPs. Water Research, 2014, 63, 21-32.	5.3	98
41	Assessment of perfluoroalkyl substances in food items at global scale. Environmental Research, 2014, 135, 181-189.	3.7	116
42	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
43	Perfluorinated Compoundsâ€™ Analysis, Environmental Fate and Occurrence: The Llobregat River as Case Study. Handbook of Environmental Chemistry, 2012, , 193-237.	0.2	3
44	Perfluorinated Compounds in Drinking Water, Food and Human Samples. Handbook of Environmental Chemistry, 2012, , 337-373.	0.2	1
45	Removal of pharmaceuticals, polybrominated flame retardants and UV-filters from sludge by the fungus Trametes versicolor in bioslurry reactor. Journal of Hazardous Materials, 2012, 233-234, 235-243.	6.5	70
46	Analysis of UV filters in tap water and other clean waters in Spain. Analytical and Bioanalytical Chemistry, 2012, 402, 2325-2333.	1.9	123
47	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
48	Fate of a broad spectrum of perfluorinated compounds in soils and biota from Tierra del Fuego and Antarctica. Environmental Pollution, 2012, 163, 158-166.	3.7	49
49	Analysis of perfluoroalkyl substances in waters from Germany and Spain. Science of the Total Environment, 2012, 431, 139-150.	3.9	125
50	Analysis of perfluoroalkyl substances in cord blood by turbulent flow chromatography coupled to tandem mass spectrometry. Science of the Total Environment, 2012, 433, 151-160.	3.9	17
51	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. Analytical and Bioanalytical Chemistry, 2012, 402, 2335-2345.	1.9	146
52	Automated analysis of perfluorinated compounds in human hair and urine samples by turbulent flow chromatography coupled to tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 402, 2369-2378.	1.9	64
53	Perfluorinated Compounds in Food. Handbook of Environmental Chemistry, 2012, , 127-153.	0.2	2
54	Perfluorinated Compounds in Food: A Global Perspective. Critical Reviews in Food Science and Nutrition, 2011, 51, 605-625.	5.4	85

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55	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). Chemosphere, 2011, 82, 670-678.	4.2	80
56	Solid-phase treatment with the fungus Trametes versicolor substantially reduces pharmaceutical concentrations and toxicity from sewage sludge. Bioresource Technology, 2011, 102, 5602-5608.	4.8	69
57	Analysis of perfluorinated compounds in sewage sludge by pressurized solvent extraction followed by liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2011, 1218, 4840-4846.	1.8	65
58	PERFLUORINATED CHEMICALS AND ANOGENITAL DISTANCE: PRELIMINARY APPROACH. ISEE Conference Abstracts, 2011, 2011, .	0.0	0
59	Study of the performance of three LC-MS/MS platforms for analysis of perfluorinated compounds. Analytical and Bioanalytical Chemistry, 2010, 398, 1145-1159.	1.9	23
60	Emerging food contaminants: a review. Analytical and Bioanalytical Chemistry, 2010, 398, 2413-2427.	1.9	130
61	Infant exposure of perfluorinated compounds: Levels in breast milk and commercial baby food. Environment International, 2010, 36, 584-592.	4.8	115
62	Development and validation of a pressurized liquid extraction liquid chromatographyâ€“tandem mass spectrometry method for perfluorinated compounds determination in fish. Journal of Chromatography A, 2009, 1216, 7195-7204.	1.8	91
63	Organic UV filters and their photodegradates, metabolites and disinfection by-products in the aquatic environment. TrAC - Trends in Analytical Chemistry, 2008, 27, 873-887.	5.8	203