

Miren LÃ³pez de Alda

List of Publications by Year in descending order

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215
papers

17,685
citations

7568

77
h-index

15732

125
g-index

219
all docs

219
docs citations

219
times ranked

14973
citing authors

#	ARTICLE	IF	CITATIONS
1	Human exposure to endocrine disrupting compounds: Their role in reproductive systems, metabolic syndrome and breast cancer. A review. <i>Environmental Research</i> , 2016, 151, 251-264.	7.5	438
2	Comparing illicit drug use in 19 European cities through sewage analysis. <i>Science of the Total Environment</i> , 2012, 432, 432-439.	8.0	416
3	Environmental behavior and analysis of veterinary and human drugs in soils, sediments and sludge. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 340-351.	11.4	390
4	Biosensors as useful tools for environmental analysis and monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1025-1041.	3.7	374
5	Environmental risk assessment of pharmaceuticals in rivers: Relationships between hazard indexes and aquatic macroinvertebrate diversity indexes in the Llobregat River (NE Spain). <i>Environment International</i> , 2010, 36, 153-162.	10.0	350
6	Monitoring of estrogens, pesticides and bisphenol A in natural waters and drinking water treatment plants by solid-phase extractionâ€“liquid chromatographyâ€“mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1045, 85-92.	3.7	349
7	Illicit drug consumption estimations derived from wastewater analysis: A critical review. <i>Science of the Total Environment</i> , 2011, 409, 3564-3577.	8.0	335
8	Emerging organic contaminants in groundwater in Spain: A review of sources, recent occurrence and fate in a European context. <i>Science of the Total Environment</i> , 2012, 440, 82-94.	8.0	321
9	Analysis and occurrence of pharmaceuticals, estrogens, progesterones and polar pesticides in sewage treatment plant effluents, river water and drinking water in the Llobregat river basin (Barcelona). <i>Trends in Analytical Chemistry</i> , 2014, 57, 1-14.	10.784314	314
10	Estrogenicity Determination in Sewage Treatment Plants and Surface Waters from the Catalanian Area (NE Spain). <i>Environmental Science & Technology</i> , 2000, 34, 5076-5083.	10.0	296
11	Advantages and limitations of on-line solid phase extraction coupled to liquid chromatographyâ€“mass spectrometry technologies versus biosensors for monitoring of emerging contaminants in water. <i>Journal of Chromatography A</i> , 2007, 1152, 97-115.	3.7	287
12	Drugs of abuse and their metabolites in the Ebro River basin: Occurrence in sewage and surface water, sewage treatment plants removal efficiency, and collective drug usage estimation. <i>Environment International</i> , 2010, 36, 75-84.	10.0	282
13	Occurrence and behavior of pesticides in wastewater treatment plants and their environmental impact. <i>Science of the Total Environment</i> , 2013, 458-460, 466-476.	8.0	282
14	Endocrine disrupting compounds and other emerging contaminants in the environment: A survey on new monitoring strategies and occurrence data. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 549-562.	3.7	280
15	Study of pharmaceuticals in surface and wastewater from Cuernavaca, Morelos, Mexico: Occurrence and environmental risk assessment. <i>Science of the Total Environment</i> , 2018, 613-614, 1263-1274.	8.0	263
16	Future water quality monitoring â€” Adapting tools to deal with mixtures of pollutants in water resource management. <i>Science of the Total Environment</i> , 2015, 512-513, 540-551.	8.0	243
17	Recent trends in the liquid chromatographyâ€“mass spectrometry analysis of organic contaminants in environmental samples. <i>Journal of Chromatography A</i> , 2010, 1217, 4004-4017.	3.7	216
18	Liquid chromatographyâ€“(tandem) mass spectrometry of selected emerging pollutants (steroid sex). <i>Journal of Chromatography A</i> , 2003, 1000, 503-526.	3.7	200

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19	Biosensors for environmental applications: Future development trends. Pure and Applied Chemistry, 2004, 76, 723-752.	1.9	199
20	Fully Automated Determination in the Low Nanogram per Liter Level of Different Classes of Drugs of Abuse in Sewage Water by On-Line Solid-Phase Extraction-Liquid Chromatography-Electrospray-Tandem Mass Spectrometry. Analytical Chemistry, 2008, 80, 3123-3134.	6.5	199
21	Recent advances in the mass spectrometric analysis related to endocrine disrupting compounds in aquatic environmental samples. Journal of Chromatography A, 2002, 974, 23-51.	3.7	196
22	Biosensors for environmental monitoring A global perspective. Talanta, 2005, 65, 291-297.	5.5	194
23	Analysis and environmental levels of endocrine-disrupting compounds in freshwater sediments. TrAC - Trends in Analytical Chemistry, 2001, 20, 637-648.	11.4	192
24	Determination of steroid sex hormones and related synthetic compounds considered as endocrine disrupters in water by liquid chromatography-diode array detection-mass spectrometry. Journal of Chromatography A, 2000, 892, 391-406.	3.7	176
25	Bridging levels of pharmaceuticals in river water with biological community structure in the llobregat river basin (northeast Spain). Environmental Toxicology and Chemistry, 2009, 28, 2706-2714.	4.3	166
26	The SOLUTIONS project: Challenges and responses for present and future emerging pollutants in land and water resources management. Science of the Total Environment, 2015, 503-504, 22-31.	8.0	163
27	Picogram per Liter Level Determination of Estrogens in Natural Waters and Waterworks by a Fully Automated On-Line Solid-Phase Extraction-Liquid Chromatography-Electrospray Tandem Mass Spectrometry Method. Analytical Chemistry, 2004, 76, 6998-7006.	6.5	161
28	Pharmaceuticals and iodinated contrast media in a hospital wastewater: A case study to analyse their presence and characterise their environmental risk and hazard. Environmental Research, 2015, 140, 225-241.	7.5	155
29	Spatio-temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. Addiction, 2020, 115, 109-120.	3.3	154
30	Analysis of selected emerging contaminants in sewage sludge. TrAC - Trends in Analytical Chemistry, 2009, 28, 1263-1275.	11.4	153
31	Occurrence of pharmaceutical, recreational and psychotropic drug residues in surface water on the northern Antarctic Peninsula region. Environmental Pollution, 2017, 229, 241-254.	7.5	151
32	Use of solid-phase extraction in various of its modalities for sample preparation in the determination of estrogens and progestogens in sediment and water. Journal of Chromatography A, 2001, 938, 145-153.	3.7	150
33	Determination of estrogens and progestogens by mass spectrometric techniques (GC/MS, LC/MS and) Tj ETQq1 1 0.784314 1.6 199 /Over	1.6	199
34	Determination of steroid sex hormones and related synthetic compounds considered as endocrine disrupters in water by fully automated on-line solid-phase extraction-liquid chromatography-diode array detection. Journal of Chromatography A, 2001, 911, 203-210.	3.7	144
35	Analysis and distribution of estrogens and progestogens in sewage sludge, soils and sediments. TrAC - Trends in Analytical Chemistry, 2004, 23, 790-798.	11.4	142
36	Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. Environmental Sciences Europe, 2019, 31, .	5.5	142

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37	Biosensors for environmental monitoring of endocrine disruptors: a review article. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 588-598.	3.7	141
38	Fate and removal of pharmaceuticals and illicit drugs in conventional and membrane bioreactor wastewater treatment plants and by riverbank filtration. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3979-4003.	3.4	140
39	Review of analytical methods for the determination of estrogens and progestogens in waste waters. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 437-447.	1.5	139
40	Effect-Directed Analysis of Key Toxicants in European River Basins. A Review (9 pp). <i>Environmental Science and Pollution Research</i> , 2007, 14, 30-38.	5.3	139
41	Primary and complex stressors in polluted mediterranean rivers: Pesticide effects on biological communities. <i>Journal of Hydrology</i> , 2010, 383, 52-61.	5.4	138
42	Monitoring of endocrine disruptors in surface waters by the yeast recombinant assay. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1152-1158.	4.3	137
43	Evaluation of drugs of abuse use and trends in a prison through wastewater analysis. <i>Environment International</i> , 2011, 37, 49-55.	10.0	135
44	Effects of low concentrations of the phenylurea herbicide diuron on biofilm algae and bacteria. <i>Chemosphere</i> , 2009, 76, 1392-1401.	8.2	131
45	Occurrence and analysis of estrogens and progestogens in river sediments by liquid chromatography-electrospray-mass spectrometry. <i>Analyst, The</i> , 2002, 127, 1299-1304.	3.5	126
46	Cytostatic drugs and metabolites in municipal and hospital wastewaters in Spain: Filtration, occurrence, and environmental risk. <i>Science of the Total Environment</i> , 2014, 497-498, 68-77.	8.0	126
47	Chemical and toxicological characterisation of anticancer drugs in hospital and municipal wastewaters from Slovenia and Spain. <i>Environmental Pollution</i> , 2016, 219, 275-287.	7.5	125
48	Comparative study of an estradiol enzyme-linked immunosorbent assay kit, liquid chromatographyâ€“tandem mass spectrometry, and ultra performance liquid chromatographyâ€“quadrupole time of flight mass spectrometry for part-per-trillion analysis of estrogens in water samples. <i>Journal of Chromatography A</i> , 2007, 1160, 166-175.	3.7	124
49	Simultaneous multi-analyte determination of estrone, isoproturon and atrazine in natural waters by the River ANALyser (RIANA), an optical immunosensor. <i>Biosensors and Bioelectronics</i> , 2004, 19, 633-640.	10.1	120
50	Analysis of drugs of abuse and their human metabolites in water by LC-MS2: A non-intrusive tool for drug abuse estimation at the community level. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 1053-1069.	11.4	120
51	Advanced monitoring of pharmaceuticals and estrogens in the Llobregat River basin (Spain) by liquid chromatographyâ€“triple quadrupole-tandem mass spectrometry in combination with ultra performance liquid chromatographyâ€“time of flight-mass spectrometry. <i>Chemosphere</i> , 2010, 80, 1337-1344.	8.2	112
52	Chemical and biological analysis of endocrineâ€“disrupting hormones and estrogenic activity in an advanced sewage treatment plant. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1649-1658.	4.3	111
53	Pharmaceuticals and pesticides in reclaimed water: Efficiency assessment of a microfiltrationâ€“reverse osmosis (MFâ€“RO) pilot plant. <i>Journal of Hazardous Materials</i> , 2015, 282, 165-173.	12.4	110
54	Environmental analysis of fluorinated alkyl substances by liquid chromatographyâ€“(tandem) mass spectrometry: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 953-972.	3.7	107

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55	On-line solid phase extractionâ€“liquid chromatographyâ€“tandem mass spectrometry for the determination of 17 cytostatics and metabolites in waste, surface and ground water samples. <i>Journal of Chromatography A</i> , 2013, 1280, 64-74.	3.7	107
56	COMBINED USE OF BIOMARKERS AND IN SITU BIOASSAYS IN DAPHNIA MAGNA TO MONITOR ENVIRONMENTAL HAZARDS OF PESTICIDES IN THE FIELD. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 370.	4.3	106
57	Analysis of 17 polar to semi-polar pesticides in the Ebro river delta during the main growing season of rice by automated on-line solid-phase extraction-liquid chromatographyâ€“tandem mass spectrometry. <i>Talanta</i> , 2008, 75, 390-401.	5.5	104
58	Liquid chromatographyâ€“tandem mass spectrometric analysis and regulatory issues of polar pesticides in natural and treated waters. <i>Journal of Chromatography A</i> , 2009, 1216, 520-529.	3.7	101
59	Removal of estrogens through water disinfection processes and formation of by-products. <i>Chemosphere</i> , 2011, 82, 789-799.	8.2	99
60	Analysis and occurrence of selected medium to highly polar pesticides in groundwater of Catalonia (NE Spain): An approach based on on-line solid phase extractionâ€“liquid chromatographyâ€“electrospray-tandem mass spectrometry detection. <i>Journal of Hydrology</i> , 2010, 383, 83-92.	5.4	98
61	Assessment of multi-chemical pollution in aquatic ecosystems using toxic units: Compound prioritization, mixture characterization and relationships with biological descriptors. <i>Science of the Total Environment</i> , 2014, 468-469, 715-723.	8.0	92
62	Analysis of 52 pesticides in fresh fish muscle by QuEChERS extraction followed by LC-MS/MS determination. <i>Science of the Total Environment</i> , 2019, 653, 958-967.	8.0	92
63	Fully Automated Analysis of Î²-Lactams in Bovine Milk by Online Solid Phase Extraction-Liquid Chromatography-Electrospray-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 4285-4295.	6.5	91
64	Integrated ecotoxicological and chemical approach for the assessment of pesticide pollution in the Ebro River delta (Spain). <i>Journal of Hydrology</i> , 2010, 383, 73-82.	5.4	91
65	Combined scenarios of chemical and ecological quality under water scarcity in Mediterranean rivers. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1269-1278.	11.4	91
66	Automated Water Analyser Computer Supported System (AWACSS). <i>Biosensors and Bioelectronics</i> , 2005, 20, 1509-1519.	10.1	90
67	Drugs of abuse and benzodiazepines in the Madrid Region (Central Spain): Seasonal variation in river waters, occurrence in tap water and potential environmental and human risk. <i>Environment International</i> , 2014, 70, 76-87.	10.0	88
68	Trace level determination of Î²-blockers in waste waters by highly selective molecularly imprinted polymers extraction followed by liquid chromatographyâ€“quadrupole-linear ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1189, 374-384.	3.7	87
69	Automated Water Analyser Computer Supported System (AWACSS) Part I: Project objectives, basic technology, immunoassay development, software design and networking. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1499-1508.	10.1	86
70	Risk assessment of representative and priority pesticides, in surface water of the Alqueva reservoir (South of Portugal) using on-line solid phase extraction-liquid chromatography-tandem mass spectrometry. <i>Environment International</i> , 2009, 35, 545-551.	10.0	86
71	Four-year advanced monitoring program of polar pesticides in groundwater of Catalonia (NE-Spain). <i>Science of the Total Environment</i> , 2014, 470-471, 1087-1098.	8.0	86
72	Comparative measurement and quantitative risk assessment of alcohol consumption through wastewater-based epidemiology: An international study in 20 cities. <i>Science of the Total Environment</i> , 2016, 565, 977-983.	8.0	85

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73	Multi-year inter-laboratory exercises for the analysis of illicit drugs and metabolites in wastewater: Development of a quality control system. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 34-43.	11.4	85
74	Five-year monitoring of 19 illicit and legal substances of abuse at the inlet of a wastewater treatment plant in Barcelona (NE Spain) and estimation of drug consumption patterns and trends. <i>Science of the Total Environment</i> , 2017, 609, 916-926.	8.0	84
75	Analysis of bisphenol A in natural waters by means of an optical immunosensor. <i>Water Research</i> , 2005, 39, 5071-5079.	11.3	83
76	Analysis of phytoestrogens, progestogens and estrogens in environmental waters from Rio de Janeiro (Brazil). <i>Environment International</i> , 2009, 35, 997-1003.	10.0	81
77	Assessment of toxicity and genotoxicity of low doses of 5-fluorouracil in zebrafish (<i>Danio rerio</i>) two-generation study. <i>Water Research</i> , 2015, 77, 201-212.	11.3	81
78	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.	8.2	80
79	Gas chromatographic retention behavior of polycyclic aromatic sulfur heterocyclic compounds, (dibenzothiophene, naphtho[b]thiophenes, benzo[b]naphthothiophenes and alkyl-substituted) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> 207-228.	3.7	79
80	Analysis of pesticides in water by liquid chromatographyâ€tandem mass spectrometric techniques. <i>Mass Spectrometry Reviews</i> , 2006, 25, 900-916.	5.4	77
81	Analysis of the occurrence and risk assessment of polar pesticides in the Llobregat River Basin (NE) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	8.2	77
82	Particle bound pollutants in rivers: Results from suspended sediment sampling in Globaqua River Basins. <i>Science of the Total Environment</i> , 2019, 647, 645-652.	8.0	77
83	MODELKEY. Models for assessing and forecasting the impact of environmental key pollutants on freshwater and marine ecosystems and biodiversity (5 pp). <i>Environmental Science and Pollution Research</i> , 2005, 12, 252-256.	5.3	76
84	Drugs of abuse in surface and tap waters of the Tagus River basin: Heterogeneous photo-Fenton process is effective in their degradation. <i>Environment International</i> , 2012, 41, 35-43.	10.0	76
85	Fully automated multianalyte determination of different classes of pesticides, at picogram per litre levels in water, by on-line solid-phase extractionâ€liquid chromatographyâ€electrosprayâ€tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1815-1825.	3.7	75
86	Formation of diclofenac and sulfamethoxazole reversible transformation products in aquifer material under denitrifying conditions: Batch experiments. <i>Science of the Total Environment</i> , 2012, 426, 256-263.	8.0	72
87	Biomarkers of Morbid Obesity and Prediabetes by Metabolomic Profiling of Human Discordant Phenotypes. <i>Clinica Chimica Acta</i> , 2016, 463, 53-61.	1.1	71
88	Determination of antimicrobials in sludge from infiltration basins at two artificial recharge plants by pressurized liquid extractionâ€liquid chromatographyâ€tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1130, 72-82.	3.7	69
89	Does the presence of caffeine in the marine environment represent an environmental risk? A regional and global study. <i>Science of the Total Environment</i> , 2018, 615, 632-642.	8.0	69
90	Drugs of abuse in urban groundwater. A case study: Barcelona. <i>Science of the Total Environment</i> , 2012, 424, 280-288.	8.0	66

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91	Determination of metals and pharmaceutical compounds released in hospital wastewater from Toluca, Mexico, and evaluation of their toxic impact. <i>Environmental Pollution</i> , 2018, 240, 330-341.	7.5	66
92	Simultaneous determination of selected endocrine disrupters (pesticides, phenols and phthalates) in water by in-field solid-phase extraction (SPE) using the prototype PROFEXS followed by on-line SPE (PROSPEKT) and analysis by liquid chromatography-atmospheric pressure chemical ionisation-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 599-609.	3.7	65
93	Determination of Drugs of Abuse in Airborne Particles by Pressurized Liquid Extraction and Liquid Chromatography-Electrospray-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 4382-4388.	6.5	65
94	Analysis and occurrence of alkylphenolic compounds and estrogens in a European river basin and an evaluation of their importance as priority pollutants. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1301-1309.	3.7	65
95	A case study to identify priority cytostatic contaminants in hospital effluents. <i>Chemosphere</i> , 2018, 190, 417-430.	8.2	65
96	Psychoactive pharmaceuticals and illicit drugs in coastal waters of North-Western Spain: Environmental exposure and risk assessment. <i>Chemosphere</i> , 2019, 224, 379-389.	8.2	63
97	Multianalyte determination of 24 cytostatics and metabolites by liquid chromatography-electrospray-tandem mass spectrometry and study of their stability and optimum storage conditions in aqueous solution. <i>Talanta</i> , 2013, 116, 290-299.	5.5	61
98	Ozonation of hospital raw wastewaters for cytostatic compounds removal. Kinetic modelling and economic assessment of the process. <i>Science of the Total Environment</i> , 2016, 556, 70-79.	8.0	59
99	Drugs of abuse, cytostatic drugs and iodinated contrast media in tap water from the Madrid region (central Spain):A case study to analyse their occurrence and human health risk characterization. <i>Environment International</i> , 2016, 86, 107-118.	10.0	58
100	Evaluation of the occurrence and fate of pesticides in a typical Mediterranean delta ecosystem (Ebro) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	7.5	58
101	Identification of toxic compounds in wastewater treatment plants during a field experiment. <i>Analytica Chimica Acta</i> , 2002, 456, 19-30.	5.4	56
102	Triclosan and methyl-triclosan monitoring study in the northeast of Spain using a magnetic particle enzyme immunoassay and confirmatory analysis by gas chromatography-mass spectrometry. <i>Journal of Hydrology</i> , 2008, 361, 1-9.	5.4	56
103	Fate of selected pesticides, estrogens, progestogens and volatile organic compounds during artificial aquifer recharge using surface waters. <i>Chemosphere</i> , 2010, 79, 880-886.	8.2	56
104	LC-based analysis of drugs of abuse and their metabolites in urine. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 609-624.	11.4	55
105	Pharmaceuticals in a Mediterranean Basin: The influence of temporal and hydrological patterns in environmental risk assessment. <i>Science of the Total Environment</i> , 2020, 709, 136205.	8.0	55
106	Microcosm experiments to control anaerobic redox conditions when studying the fate of organic micropollutants in aquifer material. <i>Journal of Contaminant Hydrology</i> , 2011, 126, 330-345.	3.3	54
107	Analysis and occurrence of endocrine-disrupting chemicals in airborne particles. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 66, 45-52.	11.4	54
108	Elimination of drugs of abuse and their toxicity from natural waters by photo-Fenton treatment. <i>Science of the Total Environment</i> , 2015, 520, 198-205.	8.0	54

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109	Analysis of ethyl sulfate in raw wastewater for estimation of alcohol consumption and its correlation with drugs of abuse in the city of Barcelona. <i>Journal of Chromatography A</i> , 2014, 1360, 93-99.	3.7	53
110	Transformation of tamoxifen and its major metabolites during water chlorination: Identification and in silico toxicity assessment of their disinfection byproducts. <i>Water Research</i> , 2015, 85, 199-207.	11.3	53
111	Presence of endocrine disruptors in freshwater in the northern Antarctic Peninsula region. <i>Environmental Research</i> , 2016, 147, 179-192.	7.5	52
112	Multiple stressor effects on biodiversity and ecosystem functioning in a Mediterranean temporary river. <i>Science of the Total Environment</i> , 2019, 647, 1179-1187.	8.0	52
113	Assessing the effects of tertiary treated wastewater reuse on the presence emerging contaminants in a Mediterranean river (Llobregat, NE Spain). <i>Environmental Science and Pollution Research</i> , 2012, 19, 1000-1012.	5.3	51
114	Microalgae-based bioremediation of water contaminated by pesticides in peri-urban agricultural areas. <i>Environmental Pollution</i> , 2020, 265, 114579.	7.5	51
115	Multianalyte determination of different classes of pesticides (acidic, triazines, phenyl ureas, anilines,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 940-954.	3.7	50
116	Fast and simultaneous monitoring of organic pollutants in a drinking water treatment plant by a multi-analyte biosensor followed by LC-MS validation. <i>Talanta</i> , 2006, 69, 377-384.	5.5	50
117	Use of chemometric and geostatistical methods to evaluate pesticide pollution in the irrigation and drainage channels of the Ebro river delta during the rice-growing season. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1479-1488.	3.7	49
118	Occurrence and fate of alkylphenol polyethoxylate degradation products and linear alkylbenzene sulfonate surfactants in urban ground water: Barcelona case study. <i>Journal of Hydrology</i> , 2010, 383, 102-110.	5.4	49
119	Illicit and abused drugs in sewage sludge: Method optimization and occurrence. <i>Journal of Chromatography A</i> , 2013, 1322, 29-37.	3.7	49
120	Occurrence of drugs of abuse and benzodiazepines in river waters from the Madrid Region (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.2	49
121	Occurrence of drugs of abuse in surface water from four Spanish river basins: Spatial and temporal variations and environmental risk assessment. <i>Journal of Hazardous Materials</i> , 2016, 316, 134-142.	12.4	49
122	Medium to highly polar pesticides in seawater: Analysis and fate in coastal areas of Catalonia (NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.2	49
123	Are pharmaceuticals more harmful than other pollutants to aquatic invertebrate species: A hypothesis tested using multi-biomarker and multi-species responses in field collected and transplanted organisms. <i>Chemosphere</i> , 2011, 85, 1548-1554.	8.2	46
124	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): letâ€™s cooperate!. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	46
125	Two new marine sediment standard reference materials (SRMs) for the determination of organic contaminants. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1251-1264.	3.7	45
126	Identification of new ozonation disinfection byproducts of 17Î²-estradiol and estrone in water. <i>Chemosphere</i> , 2011, 84, 1535-1541.	8.2	45

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127	Determining the presence of chemicals with suspected endocrine activity in drinking water from the Madrid region (Spain) and assessment of their estrogenic, androgenic and thyroidal activities. <i>Chemosphere</i> , 2018, 201, 388-398.	8.2	44
128	Study of the stability of 26 cytostatic drugs and metabolites in wastewater under different conditions. <i>Science of the Total Environment</i> , 2014, 482-483, 389-398.	8.0	43
129	A fully automated approach for the analysis of 37 psychoactive substances in raw wastewater based on on-line solid phase extraction-liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1576, 80-89.	3.7	43
130	Endocrine disruption in thicklip grey mullet (<i>Chelon labrosus</i>) from the Urdaibai Biosphere Reserve (Bay of Biscay, Southwestern Europe). <i>Science of the Total Environment</i> , 2013, 443, 233-244.	8.0	42
131	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.	8.0	42
132	Toxicity of the mixture of selected antineoplastic drugs against aquatic primary producers. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14780-14790.	5.3	40
133	Drugs of abuse in airborne particulates in urban environments. <i>Environment International</i> , 2010, 36, 527-534.	10.0	39
134	Solar transformation and photocatalytic treatment of cocaine in water: Kinetics, characterization of major intermediate products and toxicity evaluation. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 37-48.	20.2	39
135	Development of a multiresidue method for analysis of pesticides in sediments based on isotope dilution and liquid chromatography-electrospray-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1305, 176-187.	3.7	39
136	Degradation of the anticancer drug erlotinib during water chlorination: Non-targeted approach for the identification of transformation products. <i>Water Research</i> , 2015, 85, 103-113.	11.3	39
137	Assessing population exposure to phthalate plasticizers in thirteen Spanish cities through the analysis of wastewater. <i>Journal of Hazardous Materials</i> , 2021, 401, 123272.	12.4	39
138	Investigative monitoring of pesticide and nitrogen pollution sources in a complex multi-stressed catchment: The lower Llobregat River basin case study (Barcelona, Spain). <i>Science of the Total Environment</i> , 2021, 755, 142377.	8.0	37
139	Evaluation of commercial immunoassays for the detection of estrogens in water by comparison with high-performance liquid chromatography tandem mass spectrometry HPLC-MS/MS (QqQ). <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1001-1011.	3.7	36
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