

# Miren Lopez de Alda

## List of Publications by Citations

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216  
papers

14,596  
citations

71  
h-index

114  
g-index

218  
ext. papers

15,968  
ext. citations

7.3  
avg, IF

6.56  
L-index

#	Paper	IF	Citations
216	Comparing illicit drug use in 19 European cities through sewage analysis. <i>Science of the Total Environment</i> , <b>2012</b> , 432, 432-9	10.2	353
215	Environmental behavior and analysis of veterinary and human drugs in soils, sediments and sludge. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2003</b> , 22, 340-351	14.6	346
214	Biosensors as useful tools for environmental analysis and monitoring. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 386, 1025-41	4.4	327
213	Human exposure to endocrine disrupting compounds: Their role in reproductive systems, metabolic syndrome and breast cancer. A review. <i>Environmental Research</i> , <b>2016</b> , 151, 251-264	7.9	314
212	Monitoring of estrogens, pesticides and bisphenol A in natural waters and drinking water treatment plants by solid-phase extraction-liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2004</b> , 1045, 85-92	4.5	307
211	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> , <b>2010</b> , 36, 153-62	12.9	306
210	Illicit drug consumption estimations derived from wastewater analysis: a critical review. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 3564-77	10.2	294
209	Analysis and occurrence of pharmaceuticals, estrogens, progestogens and polar pesticides in sewage treatment plant effluents, river water and drinking water in the Llobregat river basin (Barcelona, Spain). <i>Journal of Hydrology</i> , <b>2008</b> , 358, 112-123	6	293
208	Estrogenicity Determination in Sewage Treatment Plants and Surface Waters from the Catalanian Area (NE Spain). <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 5076-5083	10.3	273
207	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> , <b>2010</b> , 36, 75-84	12.9	260
206	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> , <b>2012</b> , 440, 82-94	10.2	258
205	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> , <b>2004</b> , 378, 549-62	4.4	254
204	Advantages and limitations of on-line solid phase extraction coupled to liquid chromatography-mass spectrometry technologies versus biosensors for monitoring of emerging contaminants in water. <i>Journal of Chromatography A</i> , <b>2007</b> , 1152, 97-115	4.5	243
203	Occurrence and behavior of pesticides in wastewater treatment plants and their environmental impact. <i>Science of the Total Environment</i> , <b>2013</b> , 458-460, 466-76	10.2	232
202	Future water quality monitoring--adapting tools to deal with mixtures of pollutants in water resource management. <i>Science of the Total Environment</i> , <b>2015</b> , 512-513, 540-551	10.2	198
201	Recent trends in the liquid chromatography-mass spectrometry analysis of organic contaminants in environmental samples. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 4004-17	4.5	187
200	Liquid chromatography-(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment. <i>Journal of Chromatography A</i> , <b>2003</b> , 1000, 503-26	4.5	182

199	Study of pharmaceuticals in surface and wastewater from Cuernavaca, Morelos, Mexico: Occurrence and environmental risk assessment. <i>Science of the Total Environment</i> , <b>2018</b> , 613-614, 1263-1274	10.2	179
198	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. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 3123-34	7.8	178
197	Recent advances in the mass spectrometric analysis related to endocrine disrupting compounds in aquatic environmental samples. <i>Journal of Chromatography A</i> , <b>2002</b> , 974, 23-51	4.5	175
196	Analysis and environmental levels of endocrine-disrupting compounds in freshwater sediments. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2001</b> , 20, 637-648	14.6	175
195	Biosensors for environmental monitoring A global perspective. <i>Talanta</i> , <b>2005</b> , 65, 291-7	6.2	167
194	Biosensors for environmental applications: Future development trends. <i>Pure and Applied Chemistry</i> , <b>2004</b> , 76, 723-752	2.1	160
193	Determination of steroid sex hormones and related synthetic compounds considered as endocrine disrupters in water by liquid chromatography-diode array detection-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2000</b> , 892, 391-406	4.5	158
192	Bridging levels of pharmaceuticals in river water with biological community structure in the Llobregat River basin (northeast Spain). <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 2706-14	3.8	155
191	The SOLUTIONS project: challenges and responses for present and future emerging pollutants in land and water resources management. <i>Science of the Total Environment</i> , <b>2015</b> , 503-504, 22-31	10.2	149
190	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. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 6998-7006	7.8	143
189	Analysis of selected emerging contaminants in sewage sludge. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2009</b> , 28, 1263-1275	14.6	133
188	Determination of estrogens and progestogens by mass spectrometric techniques (GC/MS, LC/MS and LC/MS/MS). <i>Journal of Mass Spectrometry</i> , <b>2003</b> , 38, 917-23	2.2	133
187	Primary and complex stressors in polluted mediterranean rivers: Pesticide effects on biological communities. <i>Journal of Hydrology</i> , <b>2010</b> , 383, 52-61	6	130
186	Use of solid-phase extraction in various of its modalities for sample preparation in the determination of estrogens and progestogens in sediment and water. <i>Journal of Chromatography A</i> , <b>2001</b> , 938, 145-53	4.5	130
185	Effect-directed analysis of key toxicants in European river basins a review. <i>Environmental Science and Pollution Research</i> , <b>2007</b> , 14, 30-8	5.1	129
184	Analysis and distribution of estrogens and progestogens in sewage sludge, soils and sediments. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2004</b> , 23, 790-798	14.6	129
183	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. <i>Journal of Chromatography A</i> , <b>2001</b> , 911, 203-10	4.5	129
182	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> , <b>2009</b> , 367, 3979-4003	3	126

181	Monitoring of endocrine disruptors in surface waters by the yeast recombinant assay. <i>Environmental Toxicology and Chemistry</i> , <b>2001</b> , 20, 1152-1158	3.8	125
180	Biosensors for environmental monitoring of endocrine disruptors: a review article. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 378, 588-98	4.4	124
179	Review of analytical methods for the determination of estrogens and progestogens in waste waters. <i>Fresenius Journal of Analytical Chemistry</i> , <b>2001</b> , 371, 437-47		120
178	Pharmaceuticals and iodinated contrast media in a hospital wastewater: A case study to analyse their presence and characterise their environmental risk and hazard. <i>Environmental Research</i> , <b>2015</b> , 140, 225-41	7.9	116
177	Effects of low concentrations of the phenylurea herbicide diuron on biofilm algae and bacteria. <i>Chemosphere</i> , <b>2009</b> , 76, 1392-401	8.4	110
176	Occurrence and analysis of estrogens and progestogens in river sediments by liquid chromatography-electrospray-mass spectrometry. <i>Analyst, The</i> , <b>2002</b> , 127, 1299-304	5	110
175	Comparative study of an estradiol enzyme-linked immunosorbent assay kit, liquid chromatography-tandem mass spectrometry, and ultra performance liquid chromatography-quadrupole time of flight mass spectrometry for part-per-trillion analysis of estrogens in water samples. <i>Journal of Chromatography A</i> , <b>2007</b> , 1160, 166-75	4.5	109
174	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> , <b>2008</b> , 27, 1053-1069	14.6	108
173	Evaluation of drugs of abuse use and trends in a prison through wastewater analysis. <i>Environment International</i> , <b>2011</b> , 37, 49-55	12.9	107
172	Cytostatic drugs and metabolites in municipal and hospital wastewaters in Spain: filtration, occurrence, and environmental risk. <i>Science of the Total Environment</i> , <b>2014</b> , 497-498, 68-77	10.2	105
171	Chemical and biological analysis of endocrine-disrupting hormones and estrogenic activity in an advanced sewage treatment plant. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 1649	3.8	105
170	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> , <b>2004</b> , 19, 633-40	11.8	102
169	Occurrence of pharmaceutical, recreational and psychotropic drug residues in surface water on the northern Antarctic Peninsula region. <i>Environmental Pollution</i> , <b>2017</b> , 229, 241-254	9.3	99
168	On-line solid phase extraction-liquid chromatography-tandem mass spectrometry for the determination of 17 cytostatics and metabolites in waste, surface and ground water samples. <i>Journal of Chromatography A</i> , <b>2013</b> , 1280, 64-74	4.5	98
167	Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. <i>Environmental Sciences Europe</i> , <b>2019</b> , 31,	5	96
166	Advanced monitoring of pharmaceuticals and estrogens in the Llobregat River basin (Spain) by liquid chromatography-triple quadrupole-tandem mass spectrometry in combination with ultra performance liquid chromatography-time of flight-mass spectrometry. <i>Chemosphere</i> , <b>2010</b> , 80, 1337-44	8.4	95
165	Liquid chromatography-tandem mass spectrometric analysis and regulatory issues of polar pesticides in natural and treated waters. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 520-9	4.5	94
164	Chemical and toxicological characterisation of anticancer drugs in hospital and municipal wastewaters from Slovenia and Spain. <i>Environmental Pollution</i> , <b>2016</b> , 219, 275-287	9.3	93

163	Combined use of biomarkers and in situ bioassays in <i>Daphnia magna</i> to monitor environmental hazards of pesticides in the field. <i>Environmental Toxicology and Chemistry</i> , <b>2007</b> , 26, 370-9	3.8	93
162	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 chromatography-tandem mass spectrometry. <i>Talanta</i> , <b>2008</b> , 75, 390-401	6.2	90
161	Removal of estrogens through water disinfection processes and formation of by-products. <i>Chemosphere</i> , <b>2011</b> , 82, 789-99	8.4	88
160	Environmental analysis of fluorinated alkyl substances by liquid chromatography-(tandem) mass spectrometry: a review. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 386, 953-72	4.4	88
159	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
158	Pharmaceuticals and pesticides in reclaimed water: Efficiency assessment of a microfiltration-reverse osmosis (MF-RO) pilot plant. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 282, 165-73	12.8	87
157	Analysis and occurrence of selected medium to highly polar pesticides in groundwater of Catalonia (NE Spain): An approach based on on-line solid phase extraction-liquid chromatography-electrospray-tandem mass spectrometry detection. <i>Journal of Hydrology</i> , <b>2010</b> , 383, 83-92	6	87
156	Trace level determination of beta-blockers in waste waters by highly selective molecularly imprinted polymers extraction followed by liquid chromatography-quadrupole-linear ion trap mass spectrometry. <i>Journal of Chromatography A</i> , <b>2008</b> , 1189, 374-84	4.5	85
155	Combined scenarios of chemical and ecological quality under water scarcity in Mediterranean rivers. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 1269-1278	14.6	82
154	Fully automated analysis of beta-lactams in bovine milk by online solid phase extraction-liquid chromatography-electrospray-tandem mass spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 4285-95	7.8	81
153	Integrated ecotoxicological and chemical approach for the assessment of pesticide pollution in the Ebro River delta (Spain). <i>Journal of Hydrology</i> , <b>2010</b> , 383, 73-82	6	79
152	Four-year advanced monitoring program of polar pesticides in groundwater of Catalonia (NE-Spain). <i>Science of the Total Environment</i> , <b>2014</b> , 470-471, 1087-98	10.2	76
151	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> , <b>2009</b> , 35, 545-51	12.9	76
150	Automated water analyser computer supported system (AWACSS) Part I: Project objectives, basic technology, immunoassay development, software design and networking. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1499-508	11.8	76
149	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> , <b>2014</b> , 468-469, 715-23	10.2	71
148	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> , <b>2014</b> , 70, 76-87	12.9	71
147	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> , <b>2017</b> , 609, 916-926	10.2	71
146	Analysis of phytoestrogens, progestogens and estrogens in environmental waters from Rio de Janeiro (Brazil). <i>Environment International</i> , <b>2009</b> , 35, 997-1003	12.9	71

145	Gas chromatographic retention behavior of polycyclic aromatic sulfur heterocyclic compounds, (dibenzothiophene, naphtho[b]thiophenes, benzo[b]naphthothiophenes and alkyl-substituted derivatives) on stationary phases of different selectivity. <i>Journal of Chromatography A</i> , <b>1999</b> , 841, 207-228	4.5	71
144	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> , <b>2016</b> , 565, 977-983	10.2	70
143	Automated Water Analyser Computer Supported System (AWACSS) Part II: Intelligent, remote-controlled, cost-effective, on-line, water-monitoring measurement system. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1509-19	11.8	70
142	Analysis of bisphenol A in natural waters by means of an optical immunosensor. <i>Water Research</i> , <b>2005</b> , 39, 5071-9	12.5	69
141	Fully automated multianalyte determination of different classes of pesticides, at picogram per litre levels in water, by on-line solid-phase extraction-liquid chromatography-electrospray-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 382, 1815-25	4.4	68
140	Assessment of toxicity and genotoxicity of low doses of 5-fluorouracil in zebrafish ( <i>Danio rerio</i> ) two-generation study. <i>Water Research</i> , <b>2015</b> , 77, 201-212	12.5	67
139	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> , <b>2012</b> , 41, 35-43	12.9	67
138	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> , <b>2011</b> , 82, 670-8	8.4	67
137	Analysis of pesticides in water by liquid chromatography-tandem mass spectrometric techniques. <i>Mass Spectrometry Reviews</i> , <b>2006</b> , 25, 900-16	11	67
136	Analysis of the occurrence and risk assessment of polar pesticides in the Llobregat River Basin (NE Spain). <i>Chemosphere</i> , <b>2012</b> , 86, 8-16	8.4	64
135	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> , <b>2018</b> , 103, 34-43	14.6	62
134	Determination of antimicrobials in sludge from infiltration basins at two artificial recharge plants by pressurized liquid extraction-liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2006</b> , 1130, 72-82	4.5	62
133	Formation of diclofenac and sulfamethoxazole reversible transformation products in aquifer material under denitrifying conditions: batch experiments. <i>Science of the Total Environment</i> , <b>2012</b> , 426, 256-63	10.2	61
132	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> , <b>2010</b> , 396, 1301-9	4.4	60
131	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> , <b>2013</b> , 116, 290-9	6.2	59
130	Drugs of abuse in urban groundwater. A case study: Barcelona. <i>Science of the Total Environment</i> , <b>2012</b> , 424, 280-8	10.2	58
129	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> , <b>2004</b> , 378, 599-609	4.4	57
128	MODELKEY. Models for assessing and forecasting the impact of environmental key pollutants on freshwater and marine ecosystems and biodiversity. <i>Environmental Science and Pollution Research</i> , <b>2005</b> , 12, 252-6	5.1	57

127	Analysis of 52 pesticides in fresh fish muscle by QuEChERS extraction followed by LC-MS/MS determination. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 958-967	10.2	57
126	Determination of drugs of abuse in airborne particles by pressurized liquid extraction and liquid chromatography-electrospray-tandem mass spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 4382-8	7.8	55
125	Biomarkers of Morbid Obesity and Prediabetes by Metabolomic Profiling of Human Discordant Phenotypes. <i>Clinica Chimica Acta</i> , <b>2016</b> , 463, 53-61	6.2	55
124	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> , <b>2008</b> , 361, 1-9	6	50
123	Identification of toxic compounds in wastewater treatment plants during a field experiment. <i>Analytica Chimica Acta</i> , <b>2002</b> , 456, 19-30	6.6	49
122	A case study to identify priority cytostatic contaminants in hospital effluents. <i>Chemosphere</i> , <b>2018</b> , 190, 417-430	8.4	48
121	Elimination of drugs of abuse and their toxicity from natural waters by photo-Fenton treatment. <i>Science of the Total Environment</i> , <b>2015</b> , 520, 198-205	10.2	47
120	Microcosm experiments to control anaerobic redox conditions when studying the fate of organic micropollutants in aquifer material. <i>Journal of Contaminant Hydrology</i> , <b>2011</b> , 126, 330-45	3.9	46
119	Transformation of tamoxifen and its major metabolites during water chlorination: Identification and in silico toxicity assessment of their disinfection byproducts. <i>Water Research</i> , <b>2015</b> , 85, 199-207	12.5	45
118	Particle bound pollutants in rivers: Results from suspended sediment sampling in Globaqua River Basins. <i>Science of the Total Environment</i> , <b>2019</b> , 647, 645-652	10.2	45
117	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> , <b>2014</b> , 1360, 93-9	4.5	45
116	LC-based analysis of drugs of abuse and their metabolites in urine. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2007</b> , 26, 609-624	14.6	45
115	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> , <b>2018</b> , 615, 632-642	10.2	44
114	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> , <b>2010</b> , 383, 102-110	6.10	44
113	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> , <b>2007</b> , 387, 1479-88	4.4	44
112	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> , <b>2016</b> , 86, 107-18	12.9	42
111	Study of the stability of 26 cytostatic drugs and metabolites in wastewater under different conditions. <i>Science of the Total Environment</i> , <b>2014</b> , 482-483, 389-98	10.2	42
110	Identification of new ozonation disinfection byproducts of 17 $\beta$ -estradiol and estrone in water. <i>Chemosphere</i> , <b>2011</b> , 84, 1535-41	8.4	42

109	Fate of selected pesticides, estrogens, progestogens and volatile organic compounds during artificial aquifer recharge using surface waters. <i>Chemosphere</i> , <b>2010</b> , 79, 880-6	8.4	42
108	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> , <b>2006</b> , 69, 377-84	6.2	42
107	Multianalyte determination of different classes of pesticides (acidic, triazines, phenyl ureas, anilines, organophosphates, molinate and propanil) by liquid chromatography-electrospray-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 378, 940-54	4.4	42
106	Ozonation of hospital raw wastewaters for cytostatic compounds removal. Kinetic modelling and economic assessment of the process. <i>Science of the Total Environment</i> , <b>2016</b> , 556, 70-9	10.2	41
105	Illicit and abused drugs in sewage sludge: method optimization and occurrence. <i>Journal of Chromatography A</i> , <b>2013</b> , 1322, 29-37	4.5	41
104	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> , <b>2011</b> , 85, 1548-54	8.4	41
103	Determination of metals and pharmaceutical compounds released in hospital wastewater from Toluca, Mexico, and evaluation of their toxic impact. <i>Environmental Pollution</i> , <b>2018</b> , 240, 330-341	9.3	40
102	Occurrence of drugs of abuse and benzodiazepines in river waters from the Madrid Region (Central Spain). <i>Chemosphere</i> , <b>2014</b> , 95, 247-55	8.4	40
101	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> , <b>2012</b> , 19, 1000-12	5.1	40
100	Two new marine sediment standard reference materials (SRMs) for the determination of organic contaminants. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 378, 1251-64	4.4	40
99	Analysis and occurrence of endocrine-disrupting chemicals in airborne particles. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 66, 45-52	14.6	39
98	Psychoactive pharmaceuticals and illicit drugs in coastal waters of North-Western Spain: Environmental exposure and risk assessment. <i>Chemosphere</i> , <b>2019</b> , 224, 379-389	8.4	36
97	Presence of endocrine disruptors in freshwater in the northern Antarctic Peninsula region. <i>Environmental Research</i> , <b>2016</b> , 147, 179-92	7.9	36
96	Drugs of abuse in airborne particulates in urban environments. <i>Environment International</i> , <b>2010</b> , 36, 527-34.9	14.9	36
95	Solar transformation and photocatalytic treatment of cocaine in water: Kinetics, characterization of major intermediate products and toxicity evaluation. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 104, 37-48	21.8	36
94	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> , <b>2013</b> , 443, 233-44	10.2	35
93	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> , <b>2016</b> , 316, 134-42	12.8	35
92	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> , <b>2013</b> , 1305, 176-87	4.5	34

91	Toxicity of the mixture of selected antineoplastic drugs against aquatic primary producers. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 14780-90	5.1	33
90	Assessment of the effects of a marine urban outfall discharge on caged mussels using chemical and biomarker analysis. <i>Marine Pollution Bulletin</i> , <b>2012</b> , 64, 563-73	6.7	33
89	Identification of disinfection by-products of selected triazines in drinking water by LC-Q-ToF-MS/MS and evaluation of their toxicity. <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 330-7	2.2	33
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