DamiÃ¡ BarcelÃ³

List of Publications by Year
in descending order

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630	52,266	902 116	3312 184
papers	citations	h-index	g-index

649	649	649	34289
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Occurrence of antibiotics and antibiotic resistance genes in hospital and urban wastewaters and their impact on the receiving river. Water Research, 2015, 69, 234-242.	5.3	1,187
2	Fate and distribution of pharmaceuticals in wastewater and sewage sludge of the conventional activated sludge (CAS) and advanced membrane bioreactor (MBR) treatment. Water Research, 2009, 43, 831-841.	5.3	979
3	Occurrence, partition and removal of pharmaceuticals in sewage water and sludge during wastewater treatment. Water Research, 2011, 45, 1165-1176.	5.3	802
4	Development of a multi-residue analytical methodology based on liquid chromatographyâ€“tandem mass spectrometry (LCâ€“MS/MS) for screening and trace level determination of pharmaceuticals in surface and wastewaters. Talanta, 2006, 70, 678-690.	2.9	633
5	Increased plastic pollution due to COVID-19 pandemic: Challenges and recommendations. Chemical Engineering Journal, 2021, 405, 126683.	6.6	552
6	Liquid chromatographyâ€“tandem mass spectrometry for the analysis of pharmaceutical residues in environmental samples: a review. Journal of Chromatography A, 2005, 1067, 1-14.	1.8	535
7	Contribution of hospital effluents to the load of pharmaceuticals in urban wastewaters: Identification of ecologically relevant pharmaceuticals. Science of the Total Environment, 2013, 461-462, 302-316.	3.9	469
8	Fast and comprehensive multi-residue analysis of a broad range of human and veterinary pharmaceuticals and some of their metabolites in surface and treated waters by ultra-high-performance liquid chromatography coupled to quadrupole-linear ion trap tandem mass spectrometry. Journal of Chromatography A, 2012, 1248, 104-121.	1.8	457
9	Analysis of pharmaceuticals in wastewater and removal using a membrane bioreactor. Analytical and Bioanalytical Chemistry, 2007, 387, 1365-1377.	1.9	444
10	Human exposure to endocrine disrupting compounds: Their role in reproductive systems, metabolic syndrome and breast cancer. A review. Environmental Research, 2016, 151, 251-264.	3.7	438
11	Determination of pharmaceuticals of various therapeutic classes by solid-phase extraction and liquid chromatographyâ€“tandem mass spectrometry analysis in hospital effluent wastewaters. Journal of Chromatography A, 2006, 1114, 224-233.	1.8	424
12	Accumulation of perfluoroalkyl substances in human tissues. Environment International, 2013, 59, 354-362.	4.8	401
13	Response of soil enzyme activities and bacterial communities to the accumulation of microplastics in an acid cropped soil. Science of the Total Environment, 2020, 707, 135634.	3.9	396
14	Microplastics in agricultural soils on the coastal plain of Hangzhou Bay, east China: Multiple sources other than plastic mulching film. Journal of Hazardous Materials, 2020, 388, 121814.	6.5	378
15	Biosensors as useful tools for environmental analysis and monitoring. Analytical and Bioanalytical Chemistry, 2006, 386, 1025-1041.	1.9	374
16	Polar Pollutants Entry into the Water Cycle by Municipal Wastewater:Â A European Perspective. Environmental Science & Technology, 2006, 40, 5451-5458.	4.6	373
17	Environmental risk assessment of pharmaceuticals in rivers: Relationships between hazard indexes and aquatic macroinvertebrate diversity indexes in the Llobregat River (NE Spain). Environment International, 2010, 36, 153-162.	4.8	350
18	Occurrence of 95 pharmaceuticals and transformation products in urban groundwaters underlying the metropolis of Barcelona, Spain. Environmental Pollution, 2013, 174, 305-315.	3.7	347

#	Article	IF	Citations
19	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
20	Illicit drug consumption estimations derived from wastewater analysis: A critical review. Science of the Total Environment, 2011, 409, 3564-3577.	3.9	335
21	Rethinking and optimising plastic waste management under COVID-19 pandemic: Policy solutions based on redesign and reduction of single-use plastics and personal protective equipment. Science of the Total Environment, 2020, 742, 140565.	3.9	331
22	Rapid analysis of multiclass antibiotic residues and some of their metabolites in hospital, urban wastewater and river water by ultra-high-performance liquid chromatography coupled to quadrupole-linear ion trap tandem mass spectrometry. Journal of Chromatography A, 2013, 1292, 173-188.	1.8	322
23	Emerging organic contaminants in groundwater in Spain: A review of sources, recent occurrence and fate in a European context. Science of the Total Environment, 2012, 440, 82-94.	3.9	321
24	Occurrence and distribution of pharmaceuticals in surface water, suspended solids and sediments of the Ebro river basin, Spain. Chemosphere, 2011, 85, 1331-1339.	4.2	320
25	Wastewater treatment plants as a pathway for aquatic contamination by pharmaceuticals in the Ebro river basin (Northeast Spain). Environmental Toxicology and Chemistry, 2007, 26, 1553-1562.	2.2	318
26	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,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.3	318
27	Tracing Pharmaceutical Residues of Different Therapeutic Classes in Environmental Waters by Using Liquid Chromatography/Quadrupole-Linear Ion Trap Mass Spectrometry and Automated Library Searching. Analytical Chemistry, 2009, 81, 898-912.	3.2	297
28	Estrogenicity Determination in Sewage Treatment Plants and Surface Waters from the Catalonian Area (NE Spain). Environmental Science & Technology, 2000, 34, 5076-5083.	4.6	296
29	Identification and determination of metabolites and degradation products of sulfonamide antibiotics. TrAC - Trends in Analytical Chemistry, 2008, 27, 1008-1022.	5.8	293
30	Exploring the links between antibiotic occurrence, antibiotic resistance, and bacterial communities in water supply reservoirs. Science of the Total Environment, 2013, 456-457, 161-170.	3.9	288
31	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. Journal of Chromatography A, 2007, 1152, 97-115.	1.8	287
32	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. Environment International, 2010, 36, 75-84.	4.8	282
33	Occurrence and behavior of pesticides in wastewater treatment plants and their environmental impact. Science of the Total Environment, 2013, 458-460, 466-476.	3.9	282
34	Pesticides in the Ebro River basin: Occurrence and risk assessment. Environmental Pollution, 2016, 211, 414-424.	3.7	279
35	Impact of pesticides used in agriculture and vineyards to surface and groundwater quality (North) Tj ETQq1 1 0.784314 rgBT /Overlock	5.3	277
36	Multi-residue analysis of pharmaceuticals in wastewater by ultra-performance liquid chromatographyâ€“quadrupoleâ€“time-of-flight mass spectrometry. Journal of Chromatography A, 2006, 1124, 68-81.	1.8	261

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37	Strengths and limitations of immunoassays for effective and efficient use for pesticide analysis in water samples: A review. Analytica Chimica Acta, 1998, 362, 3-34.	2.6	249
38	Occurrence and fate of emerging wastewater contaminants in Western Balkan Region. Science of the Total Environment, 2008, 399, 66-77.	3.9	247
39	Determination of 81 pharmaceutical drugs by high performance liquid chromatography coupled to mass spectrometry with hybrid triple quadrupoleâ€“linear ion trap in different types of water in Serbia. Science of the Total Environment, 2014, 468-469, 415-428.	3.9	221
40	Multivariate curve resolution applied to liquid chromatographyâ€”diode array detection. TrAC - Trends in Analytical Chemistry, 1993, 12, 319-327.	5.8	220
41	Adsorption of perfluoroalkyl substances on microplastics under environmental conditions. Environmental Pollution, 2018, 235, 680-691.	3.7	220
42	Recent trends in the liquid chromatographyâ€“mass spectrometry analysis of organic contaminants in environmental samples. Journal of Chromatography A, 2010, 1217, 4004-4017.	1.8	216
43	Occurrence and Bioavailability of Polybrominated Diphenyl Ethers and Hexabromocyclododecane in Sediment and Fish from the Cinca River, a Tributary of the Ebro River (Spain). Environmental Science & Technology, 2004, 38, 2603-2608.	4.6	213
44	Occurrence of sulfonamide residues along the Ebro river basinRemoval in wastewater treatment plants and environmental impact assessment. Environment International, 2011, 37, 462-473.	4.8	210
45	Multi-residue method for trace level determination of pharmaceuticals in solid samples using pressurized liquid extraction followed by liquid chromatography/quadrupole-linear ion trap mass spectrometry. Talanta, 2009, 80, 363-371.	2.9	208
46	Analysis and Prevention of Microplastics Pollution in Water: Current Perspectives and Future Directions. ACS Omega, 2019, 4, 6709-6719.	1.6	208
47	Choosing between Atmospheric Pressure Chemical Ionization and Electrospray Ionization Interfaces for the HPLC/MS Analysis of Pesticides. Analytical Chemistry, 2001, 73, 5441-5449.	3.2	203
48	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
49	Analysis and assessment of the occurrence, the fate and the behavior of nanomaterials in the environment. TrAC - Trends in Analytical Chemistry, 2011, 30, 517-527.	5.8	203
50	Liquid chromatographyâ€“(tandem) mass spectrometry of selected emerging pollutants (steroid sex) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Chromatography A, 2003, 1000, 503-526.	1.8	200
51	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 Chromatographyâ^'Electrospray-Tandem Mass Spectrometry. Analytical Chemistry, 2008, 80, 3123-3134.	3.2	199
52	Multi-residue analytical methods using LC-tandem MS for the determination of pharmaceuticals in environmental and wastewater samples: a review. Analytical and Bioanalytical Chemistry, 2006, 386, 941-952.	1.9	198
53	Analysis and environmental levels of endocrine-disrupting compounds in freshwater sediments. TrAC - Trends in Analytical Chemistry, 2001, 20, 637-648.	5.8	192
54	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

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55	Degradation of pharmaceuticals in non-sterile urban wastewater by Trametes versicolor in a fluidized bed bioreactor. Water Research, 2013, 47, 5200-5210.	5.3	190
56	Highly sensitive simultaneous determination of sulfonamide antibiotics and one metabolite in environmental waters by liquid chromatographyâ€“quadrupole linear ion trapâ€“mass spectrometry. Journal of Chromatography A, 2008, 1193, 50-59.	1.8	184
57	Occurrence of halogenated and organophosphate flame retardants in sediment and fish samples from three European river basins. Science of the Total Environment, 2017, 586, 782-791.	3.9	180
58	Degradation of carbamazepine by Trametes versicolor in an air pulsed fluidized bed bioreactor and identification of intermediates. Water Research, 2012, 46, 955-964.	5.3	178
59	Synthetic organic compounds and their transformation products in groundwater: Occurrence, fate and mitigation. Science of the Total Environment, 2015, 503-504, 32-47.	3.9	176
60	Anthropogenic contaminants of high concern: Existence in water resources and their adverse effects. Science of the Total Environment, 2019, 690, 1068-1088.	3.9	176
61	Persistence of pesticides-based contaminants in the environment and their effective degradation using laccase-assisted biocatalytic systems. Science of the Total Environment, 2019, 695, 133896.	3.9	175
62	An environmental and health perspective for COVID-19 outbreak: Meteorology and air quality influence, sewage epidemiology indicator, hospitals disinfection, drug therapies and recommendations. Journal of Environmental Chemical Engineering, 2020, 8, 104006.	3.3	171
63	Determination of 19 sulfonamides in environmental water samples by automated on-line solid-phase extraction-liquid chromatographyâ€“tandem mass spectrometry (SPE-LCâ€“MS/MS). Talanta, 2010, 81, 355-366.	2.9	169
64	Trace organic chemicals contamination in ground water recharge. Chemosphere, 2008, 72, 333-342.	4.2	166
65	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.	2.2	166
66	First determination of C60 and C70 fullerenes and N-methylfulleropyrrolidine C60 on the suspended material of wastewater effluents by liquid chromatography hybrid quadrupole linear ion trap tandem mass spectrometry. Journal of Hydrology, 2010, 383, 44-51.	2.3	166
67	Nano- and microplastic analysis: Focus on their occurrence in freshwater ecosystems and remediation technologies. TrAC - Trends in Analytical Chemistry, 2019, 113, 409-425.	5.8	165
68	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.	3.9	163
69	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.	3.2	161
70	Comprehensive study of ibuprofen and its metabolites in activated sludge batch experiments and aquatic environment. Science of the Total Environment, 2012, 438, 404-413.	3.9	161
71	Managing the effects of multiple stressors on aquatic ecosystems under water scarcity. The GLOBAQUA project. Science of the Total Environment, 2015, 503-504, 3-9.	3.9	161
72	Self-reduction bimetallic nanoparticles on ultrathin MXene nanosheets as functional platform for pesticide sensing. Journal of Hazardous Materials, 2020, 384, 121358.	6.5	160

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73	Municipal Solid Waste Landfills: An Underestimated Source of Pharmaceutical and Personal Care Products in the Water Environment. Environmental Science & Technology, 2020, 54, 9757-9768.	4.6	157
74	Ecotoxicological effects of carbon based nanomaterials in aquatic organisms. Science of the Total Environment, 2018, 619-620, 328-337.	3.9	154
75	Analytical chemistry of metallic nanoparticles in natural environments. TrAC - Trends in Analytical Chemistry, 2011, 30, 528-540.	5.8	152
76	Occurrence of pharmaceutical, recreational and psychotropic drug residues in surface water on the northern Antarctic Peninsula region. Environmental Pollution, 2017, 229, 241-254.	3.7	151
77	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.	1.8	150
78	Occurrence of polybrominated diphenylethers, polychlorinated dibenzo-p-dioxins, dibenzofurans and biphenyls in coastal sediments from Spain. Environmental Pollution, 2005, 136, 493-501.	3.7	150
79	Biocatalytic degradation/redefining â€œremovalâ€•fate of pharmaceutically active compounds and antibiotics in the aquatic environment. Science of the Total Environment, 2019, 691, 1190-1211.	3.9	150
80	Triclosan persistence through wastewater treatment plants and its potential toxic effects on river biofilms. Aquatic Toxicology, 2010, 100, 346-353.	1.9	149
81	Pesticide monitoring in the basin of Llobregat River (Catalonia, Spain) and comparison with historical data. Science of the Total Environment, 2015, 503-504, 58-68.	3.9	149
82	UV filters bioaccumulation in fish from Iberian river basins. Science of the Total Environment, 2015, 518-519, 518-525.	3.9	148
83	Distribution of endocrine disruptors in the Llobregat River basin (Catalonia, NE Spain). Chemosphere, 2005, 61, 1710-1719.	4.2	146
84	Solar photocatalytic degradation of persistent pharmaceuticals at pilot-scale: Kinetics and characterization of major intermediate products. Applied Catalysis B: Environmental, 2009, 89, 255-264.	10.8	145
85	Performance of a microalgal photobioreactor treating toilet wastewater: Pharmaceutically active compound removal and biomass harvesting. Science of the Total Environment, 2017, 592, 1-11.	3.9	143
86	Analysis and distribution of estrogens and progestogens in sewage sludge, soils and sediments. TrAC - Trends in Analytical Chemistry, 2004, 23, 790-798.	5.8	142
87	Biosensors for environmental monitoring of endocrine disruptors: a review article. Analytical and Bioanalytical Chemistry, 2004, 378, 588-598.	1.9	141
88	Review of analytical methods for the determination of estrogens and progestogens in waste waters. Fresenius' Journal of Analytical Chemistry, 2001, 371, 437-447.	1.5	139
89	Effect-Directed Analysis of Key Toxicants in European River Basins. A Review (9 pp). Environmental Science and Pollution Research, 2007, 14, 30-38.	2.7	139
90	Effect of sewage sludges contaminated with polybrominated diphenylethers on agricultural soils. Chemosphere, 2008, 71, 1079-1086.	4.2	139

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91	Simultaneous occurrence of nitrates and sulfonamide antibiotics in two ground water bodies of Catalonia (Spain). Journal of Hydrology, 2010, 383, 93-101.	2.3	138
92	Primary and complex stressors in polluted mediterranean rivers: Pesticide effects on biological communities. Journal of Hydrology, 2010, 383, 52-61.	2.3	138
93	Floating macrolitter leaked from Europe into the ocean. Nature Sustainability, 2021, 4, 474-483.	11.5	137
94	Determination of 39 polybrominated diphenyl ether congeners in sediment samples using fast selective pressurized liquid extraction and purification. Journal of Chromatography A, 2003, 1021, 165-173.	1.8	135
95	Evaluation of drugs of abuse use and trends in a prison through wastewater analysis. Environment International, 2011, 37, 49-55.	4.8	135
96	First report of pyrethroid bioaccumulation in wild river fish: A case study in Iberian river basins (Spain). Environment International, 2015, 75, 110-116.	4.8	134
97	Occurrence, distribution and partitioning of nonionic surfactants and pharmaceuticals in the urbanized Long Island Sound Estuary (NY). Marine Pollution Bulletin, 2014, 85, 710-719.	2.3	133
98	Effects of low concentrations of the phenylurea herbicide diuron on biofilm algae and bacteria. Chemosphere, 2009, 76, 1392-1401.	4.2	131
99	Risk assessment based prioritization of 200 organic micropollutants in 4 Iberian rivers. Science of the Total Environment, 2015, 503-504, 289-299.	3.9	131
100	Pharmaceuticals, pesticides, personal care products and microplastics contamination assessment of Al-Hassa irrigation network (Saudi Arabia) and its shallow lakes. Science of the Total Environment, 2020, 701, 135021.	3.9	131
101	Emerging food contaminants: a review. Analytical and Bioanalytical Chemistry, 2010, 398, 2413-2427.	1.9	130
102	Fully automated determination of nine ultraviolet filters and transformation products in natural waters and wastewaters by on-line solid phase extractionâ€“liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2013, 1294, 106-116.	1.8	130
103	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
104	Early SARS-CoV-2 outbreak detection by sewage-based epidemiology. Science of the Total Environment, 2020, 732, 139298.	3.9	130
105	Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol. Analytica Chimica Acta, 2001, 426, 185-195.	2.6	128
106	Pilot survey of a broad range of priority pollutants in sediment and fish from the Ebro river basin (NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.7	127
107	Biodegradation of sulfamethazine by Trametes versicolor: Removal from sewage sludge and identification of intermediate products by UPLCâ€“QqTOF-MS. Science of the Total Environment, 2011, 409, 5505-5512.	3.9	127
108	Achievements and future trends in the analysis of emerging organic contaminants in environmental samples by mass spectrometry and bioanalytical techniques. Journal of Chromatography A, 2012, 1259, 86-99.	1.8	127

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109	Occurrence and analysis of estrogens and progestogens in river sediments by liquid chromatography-electrospray-mass spectrometry. Analyst, The, 2002, 127, 1299-1304.	1.7	126
110	Cytostatic drugs and metabolites in municipal and hospital wastewaters in Spain: Filtration, occurrence, and environmental risk. Science of the Total Environment, 2014, 497-498, 68-77.	3.9	126
111	Analysis of perfluoroalkyl substances in waters from Germany and Spain. Science of the Total Environment, 2012, 431, 139-150.	3.9	125
112	Chemical and toxicological characterisation of anticancer drugs in hospital and municipal wastewaters from Slovenia and Spain. Environmental Pollution, 2016, 219, 275-287.	3.7	125
113	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. Journal of Chromatography A, 2007, 1160, 166-175.	1.8	124
114	Occurrence and modeling of pharmaceuticals on a sewage-impacted Mediterranean river and their dynamics under different hydrological conditions. Science of the Total Environment, 2012, 440, 3-13.	3.9	124
115	Analysis of UV filters in tap water and other clean waters in Spain. Analytical and Bioanalytical Chemistry, 2012, 402, 2325-2333.	1.9	123
116	Removal of a broad range of surfactants from municipal wastewater â€“ Comparison between membrane bioreactor and conventional activated sludge treatment. Chemosphere, 2007, 67, 335-343.	4.2	121
117	Pharmaceuticals as chemical markers of wastewater contamination in the vulnerable area of the Ebro Delta (Spain). Science of the Total Environment, 2019, 652, 952-963.	3.9	121
118	Environmental applications of analytical biosensors. Measurement Science and Technology, 1996, 7, 1547-1562.	1.4	120
119	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. TrAC - Trends in Analytical Chemistry, 2008, 27, 1053-1069.	5.8	120
120	Combining chemical analysis and ecotoxicity to determine environmental exposure and to assess risk from sulfonamides. TrAC - Trends in Analytical Chemistry, 2009, 28, 804-819.	5.8	120
121	Green analytical chemistry in the determination of organic pollutants in the aquatic environment. TrAC - Trends in Analytical Chemistry, 2010, 29, 1347-1362.	5.8	118
122	Occurrence of multiclass UV filters in treated sewage sludge from wastewater treatment plants. Chemosphere, 2011, 84, 1158-1165.	4.2	118
123	Pyrolysis gas chromatography-mass spectrometry in environmental analysis: Focus on organic matter and microplastics. TrAC - Trends in Analytical Chemistry, 2020, 130, 115964.	5.8	118
124	Occurrence and fate of alkylphenols and alkylphenol ethoxylates in sewage treatment plants and impact on receiving waters along the Ter River (Catalonia, NE Spain). Environmental Pollution, 2008, 153, 384-392.	3.7	116
125	Infant exposure of perfluorinated compounds: Levels in breast milk and commercial baby food. Environment International, 2010, 36, 584-592.	4.8	115
126	Multi-residue analytical method for the determination of endocrine disruptors and related compounds in river and waste water using dual column liquid chromatography switching system coupled to mass spectrometry. Journal of Chromatography A, 2013, 1295, 57-66.	1.8	115

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127	Contamination sources and distribution patterns of pharmaceuticals and personal care products in Alpine rivers strongly affected by tourism. Science of the Total Environment, 2017, 590-591, 484-494.	3.9	115
128	Assessment of full-scale tertiary wastewater treatment by UV-C based-AOPs: Removal or persistence of antibiotics and antibiotic resistance genes?. Science of the Total Environment, 2019, 652, 1051-1061.	3.9	115
129	Monitoring Long-Chain Intermediate Products from the Degradation of Linear Alkylbenzene Sulfonates in the Marine Environment by Solid-Phase Extraction Followed by Liquid Chromatography/Ionspray Mass Spectrometry. Environmental Science & Technology, 1997, 31, 504-510.	4.6	114
130	Comparison of sulfonated and other micropollutants removal in membrane bioreactor and conventional wastewater treatment. Water Research, 2007, 41, 935-945.	5.3	113
131	Hexabromocyclododecane in Human Breast Milk: Levels and Enantiomeric Patterns. Environmental Science & Technology, 2009, 43, 1940-1946.	4.6	112
132	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. Chemosphere, 2010, 80, 1337-1344.	4.2	112
133	Development of a liquid chromatographyâ€“tandem mass spectrometry procedure for determination of endocrine disrupting compounds in fish from Mediterranean rivers. Journal of Chromatography A, 2013, 1306, 44-58.	1.8	112
134	Chemical and biological analysis of endocrineâ€disrupting hormones and estrogenic activity in an advanced sewage treatment plant. Environmental Toxicology and Chemistry, 2008, 27, 1649-1658.	2.2	111
135	Pharmaceuticals and pesticides in reclaimed water: Efficiency assessment of a microfiltrationâ€“reverse osmosis (MFâ€“RO) pilot plant. Journal of Hazardous Materials, 2015, 282, 165-173.	6.5	110
136	Urban groundwater contamination by residues of UV filters. Journal of Hazardous Materials, 2014, 271, 141-149.	6.5	109
137	The expanding role of LC-MS in analyzing metabolites and degradation products of food contaminants. TrAC - Trends in Analytical Chemistry, 2008, 27, 821-835.	5.8	108
138	Polybromodiphenyl Ether Flame Retardants in Fish from Lakes in European High Mountains and Greenland. Environmental Science & Technology, 2004, 38, 2338-2344.	4.6	107
139	Environmental analysis of fluorinated alkyl substances by liquid chromatographyâ€“(tandem) mass spectrometry: a review. Analytical and Bioanalytical Chemistry, 2006, 386, 953-972.	1.9	107
140	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. Journal of Chromatography A, 2013, 1280, 64-74.	1.8	107
141	COMBINED USE OF BIOMARKERS AND IN SITU BIOASSAYS IN DAPHNIA MAGNA TO MONITOR ENVIRONMENTAL HAZARDS OF PESTICIDES IN THE FIELD. Environmental Toxicology and Chemistry, 2007, 26, 370.	2.2	106
142	LCâ€“MS2 trace analysis of antimicrobials in water, sediment and soil. TrAC - Trends in Analytical Chemistry, 2005, 24, 645-657.	5.8	105
143	Determination of antimicrobial residues and metabolites in the aquatic environment by liquid chromatography tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2006, 386, 973-985.	1.9	105
144	Determination of mono- and disulphonated azo dyes by liquid chromatographyâ€“atmospheric pressure ionization mass spectrometry. Journal of Chromatography A, 1997, 777, 177-192.	1.8	104

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145	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. Talanta, 2008, 75, 390-401.	2.9	104
146	Effects of human-driven water stress on river ecosystems: a meta-analysis. Scientific Reports, 2018, 8, 11462.	1.6	104
147	Mitigation of bisphenol A using an array of laccase-based robust bio-catalytic cues â€“ A review. Science of the Total Environment, 2019, 689, 160-177.	3.9	103
148	Occurrence of linear and cyclic volatile methylsiloxanes in wastewater, surface water and sediments from Catalonia. Science of the Total Environment, 2013, 443, 530-538.	3.9	102
149	Survey of organotin compounds in rivers and coastal environments in Portugal 1999â€“2000. Environmental Pollution, 2005, 136, 525-536.	3.7	101
150	Liquid chromatographyâ€“tandem mass spectrometric analysis and regulatory issues of polar pesticides in natural and treated waters. Journal of Chromatography A, 2009, 1216, 520-529.	1.8	101
151	Photodegradation of azithromycin in various aqueous systems under simulated and natural solar radiation: Kinetics and identification of photoproducts. Chemosphere, 2011, 83, 340-348.	4.2	101
152	Dechlorane Plus and Related Compounds in Peregrine Falcon (Falco peregrinus)Eggs from Canada and Spain. Environmental Science & Technology, 2011, 45, 1284-1290.	4.6	100
153	Pressurized liquid extraction followed by liquid chromatographyâ€“mass spectrometry for the determination of alkylphenolic compounds in river sediment. Journal of Chromatography A, 2002, 959, 15-23.	1.8	99
154	Removal of estrogens through water disinfection processes and formation of by-products. Chemosphere, 2011, 82, 789-799.	4.2	99
155	Ecotoxicity evaluation and removal of sulfonamides and their acetylated metabolites during conventional wastewater treatment. Science of the Total Environment, 2012, 437, 403-412.	3.9	99
156	Occurrence of hydrophobic organic pollutants (BFRs and UV-filters) in sediments from South America. Chemosphere, 2013, 92, 309-316.	4.2	99
157	A survey of emerging contaminants in the estuarine receiving environment around Auckland, New Zealand. Science of the Total Environment, 2014, 468-469, 202-210.	3.9	99
158	Broad Spectrum Analysis of 109 Priority Compounds Listed in the 76/464/CEE Council Directive Using Solid-Phase Extraction and GC/EI/MS. Analytical Chemistry, 2000, 72, 1430-1440.	3.2	98
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