

# Mira Petrovic

## List of Publications by Year in descending order

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265  
papers

23,715  
citations

5248

83  
h-index

8138

148  
g-index

271  
all docs

271  
docs citations

271  
times ranked

16663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fate and distribution of pharmaceuticals in wastewater and sewage sludge of the conventional activated sludge (CAS) and advanced membrane bioreactor (MBR) treatment. <i>Water Research</i> , 2009, 43, 831-841.	5.3	979
2	Occurrence, partition and removal of pharmaceuticals in sewage water and sludge during wastewater treatment. <i>Water Research</i> , 2011, 45, 1165-1176.	5.3	802
3	Removal of pharmaceuticals during wastewater treatment and environmental risk assessment using hazard indexes. <i>Environment International</i> , 2010, 36, 15-26.	4.8	747
4	Hospital effluents as a source of emerging pollutants: An overview of micropollutants and sustainable treatment options. <i>Journal of Hydrology</i> , 2010, 389, 416-428.	2.3	635
5	Development of a multi-residue analytical methodology based on liquid chromatography-tandem mass spectrometry (LC-MS/MS) for screening and trace level determination of pharmaceuticals in surface and wastewaters. <i>Talanta</i> , 2006, 70, 678-690.	2.9	633
6	Analysis and removal of emerging contaminants in wastewater and drinking water. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 685-696.	5.8	625
7	Rejection of pharmaceuticals in nanofiltration and reverse osmosis membrane drinking water treatment. <i>Water Research</i> , 2008, 42, 3601-3610.	5.3	600
8	Liquid chromatography-tandem mass spectrometry for the analysis of pharmaceutical residues in environmental samples: a review. <i>Journal of Chromatography A</i> , 2005, 1067, 1-14.	1.8	535
9	Hospital effluent: Investigation of the concentrations and distribution of pharmaceuticals and environmental risk assessment. <i>Science of the Total Environment</i> , 2012, 430, 109-118.	3.9	475
10	Analysis of pharmaceuticals in wastewater and removal using a membrane bioreactor. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1365-1377.	1.9	444
11	Determination of pharmaceuticals of various therapeutic classes by solid-phase extraction and liquid chromatography-tandem mass spectrometry analysis in hospital effluent wastewaters. <i>Journal of Chromatography A</i> , 2006, 1114, 224-233.	1.8	424
12	Polar Pollutants Entry into the Water Cycle by Municipal Wastewater: A European Perspective. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5451-5458.	4.6	373
13	Occurrence of 95 pharmaceuticals and transformation products in urban groundwaters underlying the metropolis of Barcelona, Spain. <i>Environmental Pollution</i> , 2013, 174, 305-315.	3.7	347
14	Occurrence and distribution of pharmaceuticals in surface water, suspended solids and sediments of the Ebro river basin, Spain. <i>Chemosphere</i> , 2011, 85, 1331-1339.	4.2	320
15	Wastewater treatment plants as a pathway for aquatic contamination by pharmaceuticals in the Ebro river basin (Northeast Spain). <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1553-1562.	2.2	318
16	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). <i>Journal of Environmental Monitoring</i> , 2009, 11, 105-112.	2.0	310
17	Monitoring release of pharmaceutical compounds: Occurrence and environmental risk assessment of two WWTP effluents and their receiving bodies in the Po Valley, Italy. <i>Science of the Total Environment</i> , 2012, 438, 15-25.	3.9	309
18	Endocrine disruptors in sewage treatment plants, receiving river waters, and sediments: Integration of chemical analysis and biological effects on feral carp. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2146-2156.	2.2	300

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19	Tracing Pharmaceutical Residues of Different Therapeutic Classes in Environmental Waters by Using Liquid Chromatography/Quadrupole-Linear Ion Trap Mass Spectrometry and Automated Library Searching. <i>Analytical Chemistry</i> , 2009, 81, 898-912.	3.2	297
20	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.	1.9	280
21	Multi-residue analysis of pharmaceuticals in wastewater by ultra-performance liquid chromatographyâ€“quadrupoleâ€“time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1124, 68-81.	1.8	261
22	Occurrence and fate of emerging wastewater contaminants in Western Balkan Region. <i>Science of the Total Environment</i> , 2008, 399, 66-77.	3.9	247
23	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. <i>Science of the Total Environment</i> , 2014, 468-469, 415-428.	3.9	221
24	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.	1.8	216
25	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. <i>Talanta</i> , 2009, 80, 363-371.	2.9	208
26	Determination of Anionic and Nonionic Surfactants, Their Degradation Products, and Endocrine-Disrupting Compounds in Sewage Sludge by Liquid Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2000, 72, 4560-4567.	3.2	202
27	Liquid chromatographyâ€“(tandem) mass spectrometry of selected emerging pollutants (steroid sex) Tj ETQq1 1 0.784314 rgBT /Over <i>Chromatography A</i> , 2003, 1000, 503-526.	1.8	200
28	Multi-residue analytical methods using LC-tandem MS for the determination of pharmaceuticals in environmental and wastewater samples: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 941-952.	1.9	198
29	Occurrence and distribution of multi-class pharmaceuticals and their active metabolites and transformation products in the Ebro River basin (NE Spain). <i>Science of the Total Environment</i> , 2012, 440, 280-289.	3.9	197
30	Recent advances in the mass spectrometric analysis related to endocrine disrupting compounds in aquatic environmental samples. <i>Journal of Chromatography A</i> , 2002, 974, 23-51.	1.8	196
31	Analysis and environmental levels of endocrine-disrupting compounds in freshwater sediments. <i>TrAC - Trends in Analytical Chemistry</i> , 2001, 20, 637-648.	5.8	192
32	Hospital wastewater treatment by fungal bioreactor: Removal efficiency for pharmaceuticals and endocrine disruptor compounds. <i>Science of the Total Environment</i> , 2014, 493, 365-376.	3.9	192
33	Fully automated determination of 74 pharmaceuticals in environmental and waste waters by online solid phase extractionâ€“liquid chromatography-electrosprayâ€“tandem mass spectrometry. <i>Talanta</i> , 2010, 83, 410-424.	2.9	186
34	Degradation of carbamazepine by <i>Trametes versicolor</i> in an air pulsed fluidized bed bioreactor and identification of intermediates. <i>Water Research</i> , 2012, 46, 955-964.	5.3	178
35	Towards the understanding of antibiotic occurrence and transport in groundwater: Findings from the Baix FluviÀ alluvial aquifer (NE Catalonia, Spain). <i>Science of the Total Environment</i> , 2018, 612, 1387-1406.	3.9	175
36	Balancing the health benefits and environmental risks of pharmaceuticals: Diclofenac as an example. <i>Environment International</i> , 2015, 85, 327-333.	4.8	171

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37	Analysis and occurrence of endocrine-disrupting compounds and estrogenic activity in the surface waters of Central Spain. <i>Science of the Total Environment</i> , 2014, 466-467, 939-951.	3.9	162
38	Occurrence and distribution of nonionic surfactants, their degradation products, and linear alkylbenzene sulfonates in coastal waters and sediments in Spain. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 37-46.	2.2	161
39	Managing the effects of multiple stressors on aquatic ecosystems under water scarcity. The GLOBAQUA project. <i>Science of the Total Environment</i> , 2015, 503-504, 3-9.	3.9	161
40	Determination of pharmaceuticals in sewage sludge by pressurized liquid extraction (PLE) coupled to liquid chromatography-tandem mass spectrometry (LC-MS/MS). <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1685-1695.	1.9	153
41	Analysis of selected emerging contaminants in sewage sludge. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 1263-1275.	5.8	153
42	Integrated procedure for determination of endocrine-disrupting activity in surface waters and sediments by use of the biological technique recombinant yeast assay and chemical analysis by LC-ESI-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 697-708.	1.9	152
43	Occurrence and spatial distribution of EDCs and related compounds in waters and sediments of Iberian rivers. <i>Science of the Total Environment</i> , 2015, 503-504, 69-86.	3.9	146
44	Solar photocatalytic degradation of persistent pharmaceuticals at pilot-scale: Kinetics and characterization of major intermediate products. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 255-264.	10.8	145
45	Simultaneous Determination of Halogenated Derivatives of Alkylphenol Ethoxylates and Their Metabolites in Sludges, River Sediments, and Surface, Drinking, and Wastewaters by Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 5886-5895.	3.2	143
46	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.	1.6	140
47	Occurrence, distribution and partitioning of nonionic surfactants and pharmaceuticals in the urbanized Long Island Sound Estuary (NY). <i>Marine Pollution Bulletin</i> , 2014, 85, 710-719.	2.3	133
48	Risk assessment based prioritization of 200 organic micropollutants in 4 Iberian rivers. <i>Science of the Total Environment</i> , 2015, 503-504, 289-299.	3.9	131
49	Equilibrium and kinetic studies of the adsorption of antibiotics from aqueous solutions onto powdered zeolites. <i>Chemosphere</i> , 2018, 205, 137-146.	4.2	130
50	Ultrasonic solvent extraction of pesticides from soil. <i>Journal of Chromatography A</i> , 1998, 823, 3-9.	1.8	127
51	Achievements and future trends in the analysis of emerging organic contaminants in environmental samples by mass spectrometry and bioanalytical techniques. <i>Journal of Chromatography A</i> , 2012, 1259, 86-99.	1.8	127
52	Comparison of measured and predicted concentrations of selected pharmaceuticals in wastewater and surface water: A case study of a catchment area in the Po Valley (Italy). <i>Science of the Total Environment</i> , 2014, 470-471, 844-854.	3.9	127
53	Analysis, occurrence and fate of anthelmintics and their transformation products in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 31, 61-84.	5.8	126
54	Removal of a broad range of surfactants from municipal wastewater – Comparison between membrane bioreactor and conventional activated sludge treatment. <i>Chemosphere</i> , 2007, 67, 335-343.	4.2	121

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55	Pharmaceuticals as chemical markers of wastewater contamination in the vulnerable area of the Ebro Delta (Spain). <i>Science of the Total Environment</i> , 2019, 652, 952-963.	3.9	121
56	Proposed transformation pathway and evolution profile of diclofenac and ibuprofen transformation products during (sono)photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 1015-1027.	10.8	120
57	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. <i>Journal of Chromatography A</i> , 2013, 1295, 57-66.	1.8	115
58	Contamination sources and distribution patterns of pharmaceuticals and personal care products in Alpine rivers strongly affected by tourism. <i>Science of the Total Environment</i> , 2017, 590-591, 484-494.	3.9	115
59	Pharmaceuticals and personal care products (PPCPs) in the environment. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1141-1142.	1.9	112
60	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.	4.2	112
61	Recently developed GC/MS and LC/MS methods for determining NSAIDs in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1203-1214.	1.9	111
62	Trace-level determination of pharmaceutical residues by LC-MS/MS in natural and treated waters. A pilot-survey study. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 985-991.	1.9	109
63	Removal of selected pharmaceuticals from domestic wastewater in an activated sludge system followed by a horizontal subsurface flow bed â€” Analysis of their respective contributions. <i>Science of the Total Environment</i> , 2013, 454-455, 411-425.	3.9	109
64	Development of a fast instrumental method for the analysis of pharmaceuticals in environmental and wastewaters based on ultra high performance liquid chromatography (UHPLC)â€“tandem mass spectrometry (MS/MS). <i>Chemosphere</i> , 2011, 85, 1390-1399.	4.2	107
65	LC-MS for identifying photodegradation products of pharmaceuticals in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 486-493.	5.8	106
66	Ecotoxicity of sediments in rivers: Invertebrate community, toxicity bioassays and the toxic unit approach as complementary assessment tools. <i>Science of the Total Environment</i> , 2016, 540, 297-306.	3.9	102
67	River ecosystem processes: A synthesis of approaches, criteria of use and sensitivity to environmental stressors. <i>Science of the Total Environment</i> , 2017, 596-597, 465-480.	3.9	102
68	Contaminants of emerging concern in freshwater fish from four Spanish Rivers. <i>Science of the Total Environment</i> , 2019, 659, 1186-1198.	3.9	101
69	Veterinary pharmaceuticals and antibiotics in manure and slurry and their fate in amended agricultural soils: Findings from an experimental field site (Baix Empord�, NE Catalonia). <i>Science of the Total Environment</i> , 2019, 654, 1337-1349.	3.9	101
70	Low nanogram per liter determination of halogenated nonylphenols, nonylphenol carboxylates, and their non-halogenated precursors in water and sludge by liquid chromatography electrospray tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 516-527.	1.2	100
71	Pressurized liquid extraction followed by liquid chromatographyâ€“mass spectrometry for the determination of alkylphenolic compounds in river sediment. <i>Journal of Chromatography A</i> , 2002, 959, 15-23.	1.8	99
72	Prioritization of chemicals in the aquatic environment based on risk assessment: Analytical, modeling and regulatory perspective. <i>Science of the Total Environment</i> , 2012, 440, 236-252.	3.9	99

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73	A survey of emerging contaminants in the estuarine receiving environment around Auckland, New Zealand. <i>Science of the Total Environment</i> , 2014, 468-469, 202-210.	3.9	99
74	Occurrence and in-stream attenuation of wastewater-derived pharmaceuticals in Iberian rivers. <i>Science of the Total Environment</i> , 2015, 503-504, 133-141.	3.9	99
75	Challenges and achievements of LC-MS in environmental analysis: 25 years on. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 2-11.	5.8	98
76	Advanced mass spectrometric methods applied to the study of fate and removal of pharmaceuticals in wastewater treatment. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 1132-1144.	5.8	97
77	Oxidation of atenolol, propranolol, carbamazepine and clofibric acid by a biological Fenton-like system mediated by the white-rot fungus <i>Trametes versicolor</i> . <i>Water Research</i> , 2010, 44, 521-532.	5.3	94
78	Combined scenarios of chemical and ecological quality under water scarcity in Mediterranean rivers. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1269-1278.	5.8	91
79	Occurrence and Removal of Estrogenic Short-Chain Ethoxy Nonylphenolic Compounds and Their Halogenated Derivatives during Drinking Water Production. <i>Environmental Science &amp; Technology</i> , 2003, 37, 4442-4448.	4.6	90
80	Identification and structural characterization of biodegradation products of atenolol and glibenclamide by liquid chromatography coupled to hybrid quadrupole time-of-flight and quadrupole ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1210, 142-153.	1.8	90
81	Simultaneous extraction and fate of linear alkylbenzene sulfonates, coconut diethanol amides, nonylphenol ethoxylates and their degradation products in wastewater treatment plants, receiving coastal waters and sediments in the Catalanian area (NE Spain). <i>Journal of Chromatography A</i> , 2004, 1052, 111-120.	1.8	89
82	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> , 2008, 1189, 374-384.	1.8	87
83	Attenuation of pharmaceuticals and their transformation products in a wastewater treatment plant and its receiving river ecosystem. <i>Water Research</i> , 2016, 100, 126-136.	5.3	86
84	Tracing pharmaceuticals in a municipal plant for integrated wastewater and organic solid waste treatment. <i>Science of the Total Environment</i> , 2012, 433, 352-361.	3.9	84
85	Transformation products and reaction pathways of carbamazepine during photocatalytic and sonophotocatalytic treatment. <i>Journal of Hazardous Materials</i> , 2013, 263, 177-186.	6.5	84
86	Column-switching system with restricted access pre-column packing for an integrated sample cleanup and liquid chromatographic-mass spectrometric analysis of alkylphenolic compounds and steroid sex hormones in sediment. <i>Journal of Chromatography A</i> , 2002, 971, 37-45.	1.8	83
87	Application of liquid chromatography/quadrupole time-of-flight mass spectrometry (LC-QqTOF-MS) in the environmental analysis. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1259-1267.	0.7	83
88	Solar photocatalytic treatment of trimethoprim in four environmental matrices at a pilot scale: Transformation products and ecotoxicity evaluation. <i>Science of the Total Environment</i> , 2012, 430, 167-173.	3.9	83
89	Mass spectrometry for identifying pharmaceutical biotransformation products in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 1076-1085.	5.8	80
90	Assessment of the acute toxicity of triclosan and methyl triclosan in wastewater based on the bioluminescence inhibition of <i>Vibrio fischeri</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1999-2007.	1.9	80

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91	Wastewater reuse in Mediterranean semi-arid areas: The impact of discharges of tertiary treated sewage on the load of polar micro pollutants in the Llobregat river (NE Spain). <i>Chemosphere</i> , 2011, 82, 670-678.	4.2	80
92	Pollution-induced community tolerance to non-steroidal anti-inflammatory drugs (NSAIDs) in fluvial biofilm communities affected by WWTP effluents. <i>Chemosphere</i> , 2014, 112, 185-193.	4.2	80
93	Removal of sulfamethoxazole by electrochemically activated sulfate: Implications of chloride addition. <i>Journal of Hazardous Materials</i> , 2017, 333, 242-249.	6.5	79
94	Advanced liquid chromatography-mass spectrometry (LC-MS) methods applied to wastewater removal and the fate of surfactants in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 116-124.	5.8	76
95	Multi-residue enantiomeric analysis of pharmaceuticals and their active metabolites in the Guadalquivir River basin (South Spain) by chiral liquid chromatography coupled with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5859-5873.	1.9	76
96	Evaluation of emerging contaminants in a drinking water treatment plant using electro dialysis reversal technology. <i>Journal of Hazardous Materials</i> , 2016, 309, 192-201.	6.5	76
97	Light-induced catalytic transformation of ofloxacin by solar Fenton in various water matrices at a pilot plant: Mineralization and characterization of major intermediate products. <i>Science of the Total Environment</i> , 2013, 461-462, 39-48.	3.9	74
98	Ecotoxicological risk assessment of chemical pollution in four Iberian river basins and its relationship with the aquatic macroinvertebrate community status. <i>Science of the Total Environment</i> , 2016, 540, 324-333.	3.9	71
99	Removal of pharmaceuticals, polybrominated flame retardants and UV-filters from sludge by the fungus <i>Trametes versicolor</i> in bioslurry reactor. <i>Journal of Hazardous Materials</i> , 2012, 233-234, 235-243.	6.5	70
100	Biodegradation studies of selected priority acidic pesticides and diclofenac in different bioreactors. <i>Environmental Pollution</i> , 2006, 144, 926-932.	3.7	69
101	Analysis of biologically active compounds in water by ultra-performance liquid chromatography quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 41-51.	0.7	69
102	Solid-phase treatment with the fungus <i>Trametes versicolor</i> substantially reduces pharmaceutical concentrations and toxicity from sewage sludge. <i>Bioresource Technology</i> , 2011, 102, 5602-5608.	4.8	69
103	Liquid chromatography-mass spectrometry in the analysis of emerging environmental contaminants. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 422-424.	1.9	68
104	Analysis of ethoxylated nonionic surfactants and their metabolites by liquid chromatography/atmospheric pressure ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001, 36, 1173-1185.	0.7	66
105	Direct analysis of pharmaceuticals, their metabolites and transformation products in environmental waters using on-line TurboFlow, HPLC chromatography-liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1252, 115-129.	1.8	66
106	Analysis of anthelmintics in surface water by ultra high performance liquid chromatography coupled to quadrupole linear ion trap tandem mass spectrometry. <i>Chemosphere</i> , 2014, 99, 224-232.	4.2	66
107	Metabolism studies of diclofenac and clofibric acid in activated sludge bioreactors using liquid chromatography with quadrupole time-of-flight mass spectrometry. <i>Journal of Hydrology</i> , 2009, 372, 109-117.	2.3	64
108	Shared effects of organic microcontaminants and environmental stressors on biofilms and invertebrates in impaired rivers. <i>Environmental Pollution</i> , 2016, 210, 303-314.	3.7	63

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109	Aquatic Insects Transfer Pharmaceuticals and Endocrine Disruptors from Aquatic to Terrestrial Ecosystems. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3736-3746.	4.6	63
110	Presence of surfactants and their degradation intermediates in sediment cores and grabs from the Cadiz Bay area. <i>Environmental Pollution</i> , 2006, 144, 483-491.	3.7	62
111	Photofate of Oseltamivir (Tamiflu) and Oseltamivir Carboxylate under Natural and Simulated Solar Irradiation: Kinetics, Identification of the Transformation Products, and Environmental Occurrence. <i>Environmental Science &amp; Technology</i> , 2011, 45, 4307-4314.	4.6	61
112	Fate of pharmaceuticals and antibiotic resistance genes in a full-scale on-farm livestock waste treatment plant. <i>Journal of Hazardous Materials</i> , 2019, 378, 120716.	6.5	61
113	Evidencing Generation of Persistent Ozonation Products of Antibiotics Roxithromycin and Trimethoprim. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6808-6815.	4.6	60
114	Occurrence and Elimination of Pharmaceuticals During Conventional Wastewater Treatment. <i>Handbook of Environmental Chemistry</i> , 2012, , 1-23.	0.2	60
115	Existence of Pharmaceutical Compounds in Tertiary Treated Urban Wastewater that is Utilized for Reuse Applications. <i>Water Resources Management</i> , 2011, 25, 1183-1193.	1.9	59
116	Complementary mass spectrometry and bioassays for evaluating pharmaceutical-transformation products in treatment of drinking water and wastewater. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 562-580.	5.8	57
117	Analysis of endocrine disruptors and related compounds in sediments and sewage sludge using on-line turbulent flow chromatographyâ€“liquid chromatographyâ€“tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1352, 29-37.	1.8	57
118	Identification of toxic compounds in wastewater treatment plants during a field experiment. <i>Analytica Chimica Acta</i> , 2002, 456, 19-30.	2.6	56
119	Triclosan and methyl-triclosan monitoring study in the northeast of Spain using a magnetic particle enzyme immunoassay and confirmatory analysis by gas chromatographyâ€“mass spectrometry. <i>Journal of Hydrology</i> , 2008, 361, 1-9.	2.3	56
120	First interlaboratory exercise on non-steroidal anti-inflammatory drugs analysis in environmental samples. <i>Talanta</i> , 2008, 76, 580-590.	2.9	56
121	Occurrence and assessment of environmental risks of endocrine disrupting compounds in drinking, surface and wastewaters in Serbia. <i>Environmental Pollution</i> , 2020, 262, 114344.	3.7	55
122	Membrane Bioreactor (MBR) as an Advanced Wastewater Treatment Technology. <i>Handbook of Environmental Chemistry</i> , 2008, , 37-101.	0.2	55
123	Trace analysis of antidepressants in environmental waters by molecularly imprinted polymer-based solid-phase extraction followed by ultra-performance liquid chromatography coupled to triple quadrupole mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 825-837.	1.9	52
124	Presence of endocrine disruptors in freshwater in the northern Antarctic Peninsula region. <i>Environmental Research</i> , 2016, 147, 179-192.	3.7	52
125	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.	2.7	51
126	Bioaugmentation of Sewage Sludge with <i>Trametes versicolor</i> in Solid-Phase Biopiles Produces Degradation of Pharmaceuticals and Affects Microbial Communities. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12012-12020.	4.6	50



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127	Sulfate-mediated electrooxidation of X-ray contrast media on boron-doped diamond anode. <i>Water Research</i> , 2016, 94, 128-135.	5.3	50
128	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.	2.3	49
129	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.	4.2	46
130	Assessing and forecasting the impacts of global change on Mediterranean rivers. The SCARCE Consolider project on Iberian basins. <i>Environmental Science and Pollution Research</i> , 2012, 19, 918-933.	2.7	46
131	Monitoring endocrine disrupting compounds and estrogenic activity in tap water from Central Spain. <i>Environmental Science and Pollution Research</i> , 2014, 21, 9297-9310.	2.7	46
132	Occurrence of pharmaceuticals and UV filters in swimming pools and spas. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14431-14441.	2.7	46
133	Second interlaboratory exercise on non-steroidal anti-inflammatory drug analysis in environmental aqueous samples. <i>Talanta</i> , 2010, 81, 1189-1196.	2.9	45
134	Contamination patterns and attenuation of pharmaceuticals in a temporary Mediterranean river. <i>Science of the Total Environment</i> , 2019, 647, 561-569.	3.9	45
135	Occurrence of carbamazepine and five metabolites in an urban aquifer. <i>Chemosphere</i> , 2014, 115, 47-53.	4.2	44
136	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.	4.2	44
137	Extended suspect screening to identify contaminants of emerging concern in riverine and coastal ecosystems and assessment of environmental risks. <i>Journal of Hazardous Materials</i> , 2021, 404, 124102.	6.5	44
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