

Sara Rodriguez-Mozaz

List of Publications by Citations

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155
papers

10,467
citations

60
h-index

99
g-index

158
ext. papers

12,236
ext. citations

8.3
avg, IF

6.51
L-index

#	Paper	IF	Citations
155	Occurrence of antibiotics and antibiotic resistance genes in hospital and urban wastewaters and their impact on the receiving river. <i>Water Research</i> , 2015 , 69, 234-242	12.5	844
154	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. <i>Journal of Chromatography A</i> , 2012 , 1248, 104-21	4.5	401
153	Contribution of hospital effluents to the load of pharmaceuticals in urban wastewaters: identification of ecologically relevant pharmaceuticals. <i>Science of the Total Environment</i> , 2013 , 461-462, 302-16	10.2	358
152	Biosensors as useful tools for environmental analysis and monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 1025-41	4.4	327
151	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> , 2004 , 1045, 85-92	4.5	307
150	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. <i>Journal of Chromatography A</i> , 2013 , 1292, 173-88	4.5	252
149	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> , 2007 , 1152, 97-115	4.5	243
148	Exploring the links between antibiotic occurrence, antibiotic resistance, and bacterial communities in water supply reservoirs. <i>Science of the Total Environment</i> , 2013 , 456-457, 161-70	10.2	221
147	Removal of emerging contaminants from municipal wastewater with an integrated membrane system, MBR-RO. <i>Journal of Hazardous Materials</i> , 2012 , 239-240, 64-9	12.8	191
146	Antibiotic resistance in European wastewater treatment plants mirrors the pattern of clinical antibiotic resistance prevalence. <i>Science Advances</i> , 2019 , 5, eaau9124	14.3	184
145	Biosensors for environmental monitoring A global perspective. <i>Talanta</i> , 2005 , 65, 291-7	6.2	167
144	Occurrence of pharmaceuticals and endocrine disrupting compounds in macroalgae, bivalves, and fish from coastal areas in Europe. <i>Environmental Research</i> , 2015 , 143, 56-64	7.9	163
143	Biosensors for environmental applications: Future development trends. <i>Pure and Applied Chemistry</i> , 2004 , 76, 723-752	2.1	160
142	Degradation of pharmaceuticals in non-sterile urban wastewater by <i>Trametes versicolor</i> in a fluidized bed bioreactor. <i>Water Research</i> , 2013 , 47, 5200-10	12.5	158
141	Seasonal distribution of pharmaceuticals in marine water and sediment from a Mediterranean coastal lagoon (SE Spain). <i>Environmental Research</i> , 2015 , 138, 326-44	7.9	151
140	Chronic impact of tetracycline on the biodegradation of an organic substrate mixture under anaerobic conditions. <i>Water Research</i> , 2013 , 47, 2959-69	12.5	145
139	Hospital wastewater treatment by fungal bioreactor: removal efficiency for pharmaceuticals and endocrine disruptor compounds. <i>Science of the Total Environment</i> , 2014 , 493, 365-76	10.2	143

138	Pharmaceuticals occurrence in a WWTP with significant industrial contribution and its input into the river system. <i>Environmental Pollution</i> , 2014 , 185, 202-12	9.3	143
137	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> , 2004 , 76, 6998-7006	7.8	143
136	Comprehensive study of ibuprofen and its metabolites in activated sludge batch experiments and aquatic environment. <i>Science of the Total Environment</i> , 2012 , 438, 404-13	10.2	135
135	Incidence of anticancer drugs in an aquatic urban system: from hospital effluents through urban wastewater to natural environment. <i>Environmental Pollution</i> , 2014 , 193, 216-223	9.3	134
134	Analysis of multi-class pharmaceuticals in fish tissues by ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1288, 63-72	4.5	134
133	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. <i>Environment International</i> , 2020 , 140, 105733	12.9	124
132	Biosensors for environmental monitoring of endocrine disruptors: a review article. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 588-98	4.4	124
131	Pharmaceuticals in biota in the aquatic environment: analytical methods and environmental implications. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2611-24	4.4	111
130	Occurrence and persistence of antibiotic resistance genes in river biofilms after wastewater inputs in small rivers. <i>Environmental Pollution</i> , 2016 , 210, 121-8	9.3	106
129	Determination of a broad spectrum of pharmaceuticals and endocrine disruptors in biofilm from a waste water treatment plant-impacted river. <i>Science of the Total Environment</i> , 2016 , 540, 241-9	10.2	104
128	Development of a UPLC-MS/MS method for the determination of ten anticancer drugs in hospital and urban wastewaters, and its application for the screening of human metabolites assisted by information-dependent acquisition tool (IDA) in sewage samples. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5937-52	4.4	104
127	Performance of a microalgal photobioreactor treating toilet wastewater: Pharmaceutically active compound removal and biomass harvesting. <i>Science of the Total Environment</i> , 2017 , 592, 1-11	10.2	103
126	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, 633-40	11.8	102
125	Effects on activated sludge bacterial community exposed to sulfamethoxazole. <i>Chemosphere</i> , 2013 , 93, 99-106	8.4	101
124	Development of a liquid chromatography-tandem mass spectrometry procedure for determination of endocrine disrupting compounds in fish from Mediterranean rivers. <i>Journal of Chromatography A</i> , 2013 , 1306, 44-58	4.5	99
123	Do pharmaceuticals bioaccumulate in marine molluscs and fish from a coastal lagoon?. <i>Environmental Research</i> , 2016 , 146, 282-98	7.9	97
122	Microalgae cultivation on wastewater digestate: Estradiol and 17 β -ethynylestradiol degradation and transformation products identification. <i>Journal of Environmental Management</i> , 2015 , 155, 106-13	7.9	96
121	Bioaccumulation and trophic magnification of pharmaceuticals and endocrine disruptors in a Mediterranean river food web. <i>Science of the Total Environment</i> , 2016 , 540, 250-9	10.2	94

120	Impact of in-sewer transformation on 43 pharmaceuticals in a pressurized sewer under anaerobic conditions. <i>Water Research</i> , 2015 , 68, 98-108	12.5	87
119	Pharmaceuticals and pesticides in reclaimed water: Efficiency assessment of a microfiltration-reverse osmosis (MF-RO) pilot plant. <i>Journal of Hazardous Materials</i> , 2015 , 282, 165-73	12.8	87
118	Bioaccumulation and bioconcentration of carbamazepine and other pharmaceuticals in fish under field and controlled laboratory experiments. Evidences of carbamazepine metabolism by fish. <i>Science of the Total Environment</i> , 2016 , 557-558, 58-67	10.2	86
117	Removal of antibiotics in wastewater by enzymatic treatment with fungal laccase - Degradation of compounds does not always eliminate toxicity. <i>Bioresource Technology</i> , 2016 , 219, 500-509	11	86
116	Input of pharmaceuticals through coastal surface watercourses into a Mediterranean lagoon (Mar Menor, SE Spain): sources and seasonal variations. <i>Science of the Total Environment</i> , 2014 , 490, 59-72	10.2	85
115	Occurrence and in-stream attenuation of wastewater-derived pharmaceuticals in Iberian rivers. <i>Science of the Total Environment</i> , 2015 , 503-504, 133-41	10.2	83
114	Design and optimization of an enzymatic membrane reactor for tetracycline degradation. <i>Catalysis Today</i> , 2014 , 236, 146-152	5.3	79
113	Characterization of metoprolol biodegradation and its transformation products generated in activated sludge batch experiments and in full scale WWTPs. <i>Water Research</i> , 2014 , 63, 21-32	12.5	77
112	Biodegradation of the X-ray contrast agent iopromide and the fluoroquinolone antibiotic ofloxacin by the white rot fungus <i>Trametes versicolor</i> in hospital wastewaters and identification of degradation products. <i>Water Research</i> , 2014 , 60, 228-241	12.5	76
111	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, 1499-508	11.8	76
110	Pharmaceuticals removal and microbial community assessment in a continuous fungal treatment of non-sterile real hospital wastewater after a coagulation-flocculation pretreatment. <i>Water Research</i> , 2017 , 116, 65-75	12.5	74
109	Sewers as potential reservoirs of antibiotic resistance. <i>Science of the Total Environment</i> , 2017 , 605-606, 1047-1054	10.2	70
108	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> , 2005 , 20, 1509-19	11.8	70
107	Assessment of full-scale tertiary wastewater treatment by UV-C based-AOPs: Removal or persistence of antibiotics and antibiotic resistance genes?. <i>Science of the Total Environment</i> , 2019 , 652, 1051-1061	10.2	70
106	Identification of some factors affecting pharmaceutical active compounds (PhACs) removal in real wastewater. Case study of fungal treatment of reverse osmosis concentrate. <i>Journal of Hazardous Materials</i> , 2015 , 283, 663-71	12.8	69
105	Multi-residue method for the analysis of pharmaceuticals and some of their metabolites in bivalves. <i>Talanta</i> , 2015 , 136, 174-82	6.2	69
104	Analysis of bisphenol A in natural waters by means of an optical immunosensor. <i>Water Research</i> , 2005 , 39, 5071-9	12.5	69
103	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	10.2	66

102	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	12.5	66
101	Automatic High Frequency Monitoring for Improved Lake and Reservoir Management. <i>Environmental Science & Technology</i> , 2016 , 50, 10780-10794	10.3	65
100	Screening and prioritization of micropollutants in wastewaters from on-site sewage treatment facilities. <i>Journal of Hazardous Materials</i> , 2017 , 328, 37-45	12.8	63
99	Characterization of ciprofloxacin-resistant isolates from a wastewater treatment plant and its receiving river. <i>Water Research</i> , 2014 , 61, 67-76	12.5	63
98	Identification of new transformation products during enzymatic treatment of tetracycline and erythromycin antibiotics at laboratory scale by an on-line turbulent flow liquid-chromatography coupled to a high resolution mass spectrometer LTQ-Orbitrap. <i>Chemosphere</i> , 2015 , 119, 90-98	8.4	62
97	Development of an extraction and purification method for the determination of multi-class pharmaceuticals and endocrine disruptors in freshwater invertebrates. <i>Talanta</i> , 2015 , 132, 373-81	6.2	62
96	Biodegradation and reversible inhibitory impact of sulfamethoxazole on the utilization of volatile fatty acids during anaerobic treatment of pharmaceutical industry wastewater. <i>Science of the Total Environment</i> , 2015 , 536, 667-674	10.2	60
95	Non conventional biological treatment based on <i>Trametes versicolor</i> for the elimination of recalcitrant anticancer drugs in hospital wastewater. <i>Chemosphere</i> , 2015 , 136, 9-19	8.4	59
94	Fungal treatment for the removal of antibiotics and antibiotic resistance genes in veterinary hospital wastewater. <i>Chemosphere</i> , 2016 , 152, 301-8	8.4	59
93	Pollution-induced community tolerance to non-steroidal anti-inflammatory drugs (NSAIDs) in fluvial biofilm communities affected by WWTP effluents. <i>Chemosphere</i> , 2014 , 112, 185-93	8.4	57
92	Meeting report: pharmaceuticals in water-an interdisciplinary approach to a public health challenge. <i>Environmental Health Perspectives</i> , 2010 , 118, 1016-20	8.4	57
91	Presence of pharmaceuticals in fish collected from urban rivers in the U.S. EPA 2008-2009 National Rivers and Streams Assessment. <i>Science of the Total Environment</i> , 2018 , 634, 542-549	10.2	56
90	Effects of flow intermittency and pharmaceutical exposure on the structure and metabolism of stream biofilms. <i>Science of the Total Environment</i> , 2015 , 503-504, 159-70	10.2	55
89	Removal of ibuprofen and its transformation products: experimental and simulation studies. <i>Science of the Total Environment</i> , 2012 , 433, 296-301	10.2	54
88	Contaminants of emerging concern in freshwater fish from four Spanish Rivers. <i>Science of the Total Environment</i> , 2019 , 659, 1186-1198	10.2	54
87	The role of sorption processes in the removal of pharmaceuticals by fungal treatment of wastewater. <i>Science of the Total Environment</i> , 2018 , 610-611, 1147-1153	10.2	53
86	Removal of Endocrine Disrupting Chemicals in Wastewater by Enzymatic Treatment with Fungal Laccases. <i>Organic Process Research and Development</i> , 2017 , 21, 480-491	3.9	52
85	Microplastics in Mediterranean coastal area: toxicity and impact for the environment and human health. <i>Trends in Environmental Analytical Chemistry</i> , 2020 , 27, e00090	12	50

84	Effects of water warming and acidification on bioconcentration, metabolization and depuration of pharmaceuticals and endocrine disrupting compounds in marine mussels (<i>Mytilus galloprovincialis</i>). <i>Environmental Pollution</i> , 2018 , 236, 824-834	9.3	49
83	Anti-anxiety drugs and fish behavior: Establishing the link between internal concentrations of oxazepam and behavioral effects. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2782-2790	3.8	45
82	Fate of pharmaceuticals and their transformation products in integrated membrane systems for wastewater reclamation. <i>Chemical Engineering Journal</i> , 2018 , 331, 450-461	14.7	43
81	Study of the effect of the bacterial and fungal communities present in real wastewater effluents on the performance of fungal treatments. <i>Science of the Total Environment</i> , 2017 , 579, 366-377	10.2	43
80	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, 377-84	6.2	42
79	Differential behavioural responses to venlafaxine exposure route, warming and acidification in juvenile fish (<i>Argyrosomus regius</i>). <i>Science of the Total Environment</i> , 2018 , 634, 1136-1147	10.2	39
78	Abundance of antibiotic resistance genes and bacterial community composition in wild freshwater fish species. <i>Chemosphere</i> , 2018 , 196, 115-119	8.4	39
77	Internal exposure dynamics drive the Adverse Outcome Pathways of synthetic glucocorticoids in fish. <i>Scientific Reports</i> , 2016 , 6, 21978	4.9	39
76	Preliminary assessment on the bioaccessibility of contaminants of emerging concern in raw and cooked seafood. <i>Food and Chemical Toxicology</i> , 2017 , 104, 69-78	4.7	38
75	Influencing factors on the removal of pharmaceuticals from water with micro-grain activated carbon. <i>Water Research</i> , 2018 , 144, 402-412	12.5	38
74	Analysis of multiclass antibiotic residues in urban wastewater in Tunisia. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018 , 10, 163-170	3.3	38
73	Multi-residue method for the determination of antibiotics and some of their metabolites in seafood. <i>Food and Chemical Toxicology</i> , 2017 , 104, 3-13	4.7	37
72	Spatial and temporal occurrence of pharmaceuticals in UK estuaries. <i>Science of the Total Environment</i> , 2019 , 678, 74-84	10.2	37
71	Fate of priority pharmaceuticals and their main metabolites and transformation products in microalgae-based wastewater treatment systems. <i>Journal of Hazardous Materials</i> , 2020 , 390, 121771	12.8	36
70	Multiresidue trace analysis of pharmaceuticals, their human metabolites and transformation products by fully automated on-line solid-phase extraction-liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2016 , 158, 330-341	6.2	35
69	<i>Stropharia rugosoannulata</i> and <i>Gymnopilus luteofolius</i> : Promising fungal species for pharmaceutical biodegradation in contaminated water. <i>Journal of Environmental Management</i> , 2018 , 207, 396-404	7.9	35
68	Removal of pharmaceuticals from wastewater by fungal treatment and reduction of hazard quotients. <i>Science of the Total Environment</i> , 2016 , 571, 909-15	10.2	34
67	Elimination study of the chemotherapy drug tamoxifen by different advanced oxidation processes: Transformation products and toxicity assessment. <i>Chemosphere</i> , 2017 , 168, 284-292	8.4	33

66	Fungal treatment of metoprolol and its recalcitrant metabolite metoprolol acid in hospital wastewater: Biotransformation, sorption and ecotoxicological impact. <i>Water Research</i> , 2019 , 152, 171-180	12.5	33
65	UV/H ₂ O ₂ degradation of the antidepressants venlafaxine and O-desmethylvenlafaxine: Elucidation of their transformation pathway and environmental fate. <i>Journal of Hazardous Materials</i> , 2016 , 311, 70-80	12.8	32
64	Re-inoculation strategies enhance the degradation of emerging pollutants in fungal bioaugmentation of sewage sludge. <i>Bioresource Technology</i> , 2014 , 168, 180-9	11	32
63	Review of emerging contaminants in aquatic biota from Latin America: 2002-2016. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 1716-1727	3.8	32
62	Continuous fungal treatment of non-sterile veterinary hospital effluent: pharmaceuticals removal and microbial community assessment. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 2401-15	5.7	30
61	Advanced oxidation of the antibiotic sulfapyridine by UV/H ₂ O ₂ : Characterization of its transformation products and ecotoxicological implications. <i>Chemosphere</i> , 2016 , 147, 451-9	8.4	29
60	Sample preservation for the analysis of antibiotics in water. <i>Journal of Chromatography A</i> , 2014 , 1369, 43-51	4.5	29
59	Pharmaceuticals and endocrine disruptors in raw and cooked seafood from European market: Concentrations and human exposure levels. <i>Environment International</i> , 2018 , 119, 570-581	12.9	29
58	Presence of pharmaceutical compounds, levels of biochemical biomarkers in seafood tissues and risk assessment for human health: Results from a case study in North-Western Spain. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 223, 10-21	6.9	26
57	Suspect screening of emerging pollutants and their major transformation products in wastewaters treated with fungi by liquid chromatography coupled to a high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1439, 124-136	4.5	25
56	An automated on-line turbulent flow liquid-chromatography technology coupled to a high resolution mass spectrometer LTQ-Orbitrap for suspect screening of antibiotic transformation products during microalgae wastewater treatment. <i>Journal of Chromatography A</i> , 2018 , 1568, 57-68	4.5	25
55	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	12.8	25
54	New insights on the combined removal of antibiotics and ARGs in urban wastewater through the use of two configurations of vertical subsurface flow constructed wetlands. <i>Science of the Total Environment</i> , 2021 , 755, 142554	10.2	25
53	Metoprolol and metoprolol acid degradation in UV/H ₂ O ₂ treated wastewaters: An integrated screening approach for the identification of hazardous transformation products. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120851	12.8	23
52	High-quality treated wastewater causes remarkable changes in natural microbial communities and int11 gene abundance. <i>Water Research</i> , 2019 , 167, 114895	12.5	23
51	Chemometrics quality assessment of wastewater treatment plant effluents using physicochemical parameters and UV absorption measurements. <i>Journal of Environmental Management</i> , 2014 , 140, 33-44	7.9	23
50	Human pharmaceuticals in three major fish species from the Uruguay River (South America) with different feeding habits. <i>Environmental Pollution</i> , 2019 , 252, 146-154	9.3	20
49	Degradation of pharmaceuticals from membrane biological reactor sludge with <i>Trametes versicolor</i> . <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 429-40	4.3	20

48	Distribution of antibiotics in water, sediments and biofilm in an urban river (Córdoba, Argentina, LA). <i>Environmental Pollution</i> , 2021 , 269, 116133	9.3	20
47	Differential gene transcription, biochemical responses, and cytotoxicity assessment in Pacific oyster <i>Crassostrea gigas</i> exposed to ibuprofen. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 17375-85	5.1	19
46	Comprehensive study of sulfamethoxazole effects in marine mussels: Bioconcentration, enzymatic activities and metabolomics. <i>Environmental Research</i> , 2019 , 173, 12-22	7.9	17
45	Combining biological processes with UV/H ₂ O ₂ for metoprolol and metoprolol acid removal in hospital wastewater. <i>Chemical Engineering Journal</i> , 2021 , 404, 126482	14.7	17
44	Antidepressants in a changing ocean: Venlafaxine uptake and elimination in juvenile fish (<i>Argyrosomus regius</i>) exposed to warming and acidification conditions. <i>Chemosphere</i> , 2018 , 209, 286-297	8.4	16
43	Fungal treatment for the removal of endocrine disrupting compounds from reverse osmosis concentrate: Identification and monitoring of transformation products of benzotriazoles. <i>Chemosphere</i> , 2017 , 184, 1054-1070	8.4	15
42	Photolysis of the antidepressants amisulpride and desipramine in wastewaters: Identification of transformation products formed and their fate. <i>Science of the Total Environment</i> , 2015 , 530-531, 434-444	10.2	15
41	Impact of fullerenes in the bioaccumulation and biotransformation of venlafaxine, diuron and triclosan in river biofilms. <i>Environmental Research</i> , 2019 , 169, 377-386	7.9	15
40	Combining an effect-based methodology with chemical analysis for antibiotics determination in wastewater and receiving freshwater and marine environment. <i>Environmental Pollution</i> , 2021 , 271, 116313	9.3	14
39	Wastewater-based epidemiology to assess human exposure to personal care and household products [A review of biomarkers, analytical methods, and applications. <i>Trends in Environmental Analytical Chemistry</i> , 2020 , 28, e00103	12	13
38	Identification of markers of cancer in urban sewage through the use of a suspect screening approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 129, 571-580	3.5	13
37	Long-term continuous treatment of non-sterile real hospital wastewater by. <i>Journal of Biological Engineering</i> , 2019 , 13, 47	6.3	12
36	Fluvial biofilms exposed to desiccation and pharmaceutical pollution: New insights using metabolomics. <i>Science of the Total Environment</i> , 2018 , 618, 1382-1388	10.2	12
35	Insights on the metabolization of the antidepressant venlafaxine by meagre (<i>Argyrosomus regius</i>) using a combined target and suspect screening approach. <i>Science of the Total Environment</i> , 2020 , 737, 140226	10.2	11
34	Fullerenes Influence the Toxicity of Organic Micro-Contaminants to River Biofilms. <i>Frontiers in Microbiology</i> , 2018 , 9, 1426	5.7	11
33	Generation of synthetic influent data to perform (micro)pollutant wastewater treatment modelling studies. <i>Science of the Total Environment</i> , 2016 , 569-570, 278-290	10.2	11
32	Fungal biodegradation of the N-nitrosodimethylamine precursors venlafaxine and O-desmethylvenlafaxine in water. <i>Environmental Pollution</i> , 2019 , 246, 346-356	9.3	11
31	Microplastics as vectors of pharmaceuticals in aquatic organisms [An overview of their environmental implications. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021 , 3, 100079	7.5	10

30	Prospects on coupling UV/HO with activated sludge or a fungal treatment for the removal of pharmaceutically active compounds in real hospital wastewater. <i>Science of the Total Environment</i> , 2021 , 773, 145374	10.2	9
29	Effects of subinhibitory ciprofloxacin concentrations on the abundance of qnrS and composition of bacterial communities from water supply reservoirs. <i>Chemosphere</i> , 2016 , 161, 470-474	8.4	8
28	Showcasing the potential of wastewater-based epidemiology to track pharmaceuticals consumption in cities: Comparison against prescription data collected at fine spatial resolution. <i>Environment International</i> , 2021 , 150, 106404	12.9	8
27	Effect-Based Identification of Hazardous Antibiotic Transformation Products after Water Chlorination. <i>Environmental Science & Technology</i> , 2020 , 54, 9062-9073	10.3	7
26	Exposure to single and binary mixtures of fullerenes and triclosan: Reproductive and behavioral effects in the freshwater snail <i>Radix balthica</i> . <i>Environmental Research</i> , 2019 , 176, 108565	7.9	7
25	Biosensors for unattended, cost-effective and continuous monitoring of environmental pollution: Automated Water Analyser Computer Supported System (AWACSS) and River Analyser (RIANA). <i>International Journal of Environmental Analytical Chemistry</i> , 2005 , 85, 837-852	1.8	7
24	Screening water for pollutants: A selective report on the 1st focused workshop (validation of robustness of sensors and bioassays for screening pollutants) of the SWIFT-WFD project held in Mañ Menorca (Balearic Islands), Spain, 2 and 3 December 2004. <i>TrAC - Trends in Analytical Chemistry</i> , 2005 , 24, 155-169	14.6	6
23	Achievements of the RIANA and AWACSS EU Projects: Immunosensors for the Determination of Pesticides, Endocrine Disrupting Chemicals and Pharmaceuticals. <i>Handbook of Environmental Chemistry</i> , 2009 , 33-46	0.8	6
22	Sustainable microalgae-based technology for biotransformation of benzalkonium chloride in oil and gas produced water: A laboratory-scale study. <i>Science of the Total Environment</i> , 2020 , 748, 141526	10.2	6
21	Occurrence and Risks of Contrast Agents, Cytostatics, and Antibiotics in Hospital Effluents. <i>Handbook of Environmental Chemistry</i> , 2017 , 71-100	0.8	5
20	Analysis of Pharmaceutical Compounds in Biota. <i>Comprehensive Analytical Chemistry</i> , 2013 , 62, 169-193	1.9	5
19	Full-Scale Plants for Dedicated Treatment of Hospital Effluents. <i>Handbook of Environmental Chemistry</i> , 2017 , 189-208	0.8	4
18	Exposure to a Subinhibitory Sulfonamide Concentration Promotes the Spread of Antibiotic Resistance in Marine Blue Mussels (<i>Mytilus edulis</i>). <i>Environmental Science and Technology Letters</i> , 2019 , 6, 211-215	11	4
17	Bioaccumulation of Emerging Contaminants in Aquatic Biota: Patterns of Pharmaceuticals in Mediterranean River Networks. <i>Handbook of Environmental Chemistry</i> , 2015 , 121-141	0.8	4
16	(Xeno)metabolomics for the evaluation of aquatic organism exposure to field contaminated water. <i>Trends in Environmental Analytical Chemistry</i> , 2021 , 31, e00132	12	4
15	Insights into removal of antibiotics by selected microalgae (<i>Chlamydomonas reinhardtii</i> , <i>Chlorella sorokiniana</i> , <i>Dunaliella tertiolecta</i> and <i>Pseudokirchneriella subcapitata</i>). <i>Algal Research</i> , 2021 , 61, 102560	5	3
14	Liquid Chromatography-Mass Spectrometry Methods for Analysis of Endocrine-Disrupting Chemicals in Wastewaters. <i>Handbook of Environmental Chemistry</i> , 2009 , 227-271	0.8	3
13	Chapter 2.6 Analysis of steroid estrogens in the environment. <i>Comprehensive Analytical Chemistry</i> , 2007 , 50, 219-264	1.9	2

12	Pharmaceuticals in the Marine Environment 2017 , 268-316		2
11	Unravelling the performance of UV/HO on the removal of pharmaceuticals in real industrial, hospital, grey and urban wastewaters.. <i>Chemosphere</i> , 2021 , 290, 133315	8.4	2
10	Diet quality and NSAIDs promote changes in formation of prostaglandins by an aquatic invertebrate. <i>Chemosphere</i> , 2020 , 257, 126892	8.4	1
9	An Optical Immunosensor for Pesticide Determination in Natural Waters 2006 , 481-489		1
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