

# Sandra Perez

## List of Publications by Citations

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130  
papers

5,907  
citations

45  
h-index

75  
g-index

137  
ext. papers

6,556  
ext. citations

7.3  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
130	Fate and toxicity of emerging pollutants, their metabolites and transformation products in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2008</b> , 27, 991-1007	14.6	601
129	Evaluating the biodegradability of sulfamethazine, sulfamethoxazole, sulfathiazole, and trimethoprim at different stages of sewage treatment. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 1361-7	3.8	226
128	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
127	Fully automated determination of 74 pharmaceuticals in environmental and waste waters by online solid phase extraction-liquid chromatography-electrospray-tandem mass spectrometry. <i>Talanta</i> , <b>2010</b> , 83, 410-24	6.2	174
126	Fate and occurrence of X-ray contrast media in the environment. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 387, 1235-46	4.4	174
125	Degradation of carbamazepine by <i>Trametes versicolor</i> in an air pulsed fluidized bed bioreactor and identification of intermediates. <i>Water Research</i> , <b>2012</b> , 46, 955-64	12.5	156
124	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. <i>Journal of Hydrology</i> , <b>2010</b> , 383, 44-51	6	152
123	Analytical chemistry of metallic nanoparticles in natural environments. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 528-540	14.6	137
122	Concentration and risk of pharmaceuticals in freshwater systems are related to the population density and the livestock units in Iberian Rivers. <i>Science of the Total Environment</i> , <b>2016</b> , 540, 267-77	10.2	125
121	Analysis, behavior and ecotoxicity of carbon-based nanomaterials in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2009</b> , 28, 820-832	14.6	124
120	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
119	Green analytical chemistry in the determination of organic pollutants in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2010</b> , 29, 1347-1362	14.6	112
118	Occurrence and modeling of pharmaceuticals on a sewage-impacted Mediterranean river and their dynamics under different hydrological conditions. <i>Science of the Total Environment</i> , <b>2012</b> , 440, 3-13	10.2	108
117	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> , <b>2012</b> , 1259, 86-99	4.5	108
116	Proposed transformation pathway and evolution profile of diclofenac and ibuprofen transformation products during (sono)photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 147, 1015-1027 <sup>21.8</sup> <sup>1027</sup>		
115	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
114	Application of advanced MS techniques to analysis and identification of human and microbial metabolites of pharmaceuticals in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2007</b> , 26, 494-514	14.6	99

113	Application of ion trap-MS with H/D exchange and QqTOF-MS in the identification of microbial degradates of trimethoprim in nitrifying activated sludge. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 4176-84	7.8	93
112	Quantitative analysis of polycyclic aromatic hydrocarbons in sewage sludge from wastewater treatment plants. <i>Journal of Chromatography A</i> , <b>2001</b> , 938, 57-65	4.5	91
111	Sensors and biosensors in support of EU Directives. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2009</b> , 28, 170-185.6	15.6	90
110	Evidence for the microbially mediated abiotic formation of reversible and non-reversible sulfamethoxazole transformation products during denitrification. <i>Water Research</i> , <b>2012</b> , 46, 2131-9	12.5	86
109	Effects of pesticides and pharmaceuticals on biofilms in a highly impacted river. <i>Environmental Pollution</i> , <b>2013</b> , 178, 220-8	9.3	84
108	Photodegradation of azithromycin in various aqueous systems under simulated and natural solar radiation: kinetics and identification of photoproducts. <i>Chemosphere</i> , <b>2011</b> , 83, 340-8	8.4	84
107	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> , <b>2008</b> , 1210, 142-53	4.5	84
106	Structural characterization of metabolites of the X-ray contrast agent iopromide in activated sludge using ion trap mass spectrometry. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 1866-74	7.8	83
105	Pharmaceuticals and organic pollution mitigation in reclamation osmosis brines by UV/H <sub>2</sub> O <sub>2</sub> and ozone. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 263 Pt 2, 268-74	12.8	82
104	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> , <b>2016</b> , 540, 297-306	10.2	78
103	Transformation products and reaction pathways of carbamazepine during photocatalytic and sonophotocatalytic treatment. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 263 Pt 1, 177-86	12.8	72
102	First evidence for occurrence of hydroxylated human metabolites of diclofenac and aceclofenac in wastewater using QqLIT-MS and QqTOF-MS. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 8135-45	7.8	71
101	Advances in liquid chromatography-high-resolution mass spectrometry for quantitative and qualitative environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 6289-99	4.4	69
100	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> , <b>2012</b> , 430, 167-73	10.2	67
99	Response of biofilm bacterial communities to antibiotic pollutants in a Mediterranean river. <i>Chemosphere</i> , <b>2013</b> , 92, 1126-35	8.4	67
98	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
97	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
96	Metabolism studies of diclofenac and clofibrac acid in activated sludge bioreactors using liquid chromatography with quadrupole time-of-flight mass spectrometry. <i>Journal of Hydrology</i> , <b>2009</b> , 372, 109-117	6	59

95	Investigating the formation and toxicity of nitrogen transformation products of diclofenac and sulfamethoxazole in wastewater treatment plants. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 309, 157-64	12.8	58
94	Ibuprofen exposure in Lemna gibba L.: Evaluation of growth and phytotoxic indicators, detection of ibuprofen and identification of its metabolites in plant and in the medium. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 300, 189-193	12.8	55
93	Simultaneous determination of diclofenac, its human metabolites and microbial nitration/nitrosation transformation products in wastewaters by liquid chromatography/quadrupole-linear ion trap mass spectrometry. <i>Journal of Chromatography A</i> , <b>2014</b> , 1347, 63-71	4.5	55
92	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> , <b>2013</b> , 461-462, 39-48	10.2	54
91	Applications of LC-MS to quantitation and evaluation of the environmental fate of chiral drugs and their metabolites. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2008</b> , 27, 836-846	14.6	54
90	Isolation of priority polycyclic aromatic hydrocarbons from natural sediments and sludge reference materials by an anti-fluorene immunosorbent followed by liquid chromatography and diode array detection. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 4996-5001	7.8	53
89	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> , <b>2011</b> , 45, 4307-14	10.3	51
88	Occurrence of polycyclic aromatic hydrocarbons in sewage sludge and their contribution to its toxicity in the toxalert 100 bioassay. <i>Chemosphere</i> , <b>2001</b> , 45, 705-12	8.4	50
87	LC-HRMS suspect screening for detection-based prioritization of iodinated contrast media photodegradates in surface waters. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 3464-72	10.3	48
86	Combined thermophilic aerobic process and conventional anaerobic digestion: effect on sludge biodegradation and methane production. <i>Bioresource Technology</i> , <b>2010</b> , 101, 2629-36	11	46
85	Degradation of sulfonamides as a microbial resistance mechanism. <i>Water Research</i> , <b>2017</b> , 115, 309-317	12.5	45
84	Recent advances in the sample preparation, liquid chromatography tandem mass spectrometric analysis and environmental fate of microcystins in water. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2005</b> , 24, 658-670	14.6	45
83	Structural characterization of photodegradation products of enalapril and its metabolite enalaprilat obtained under simulated environmental conditions by hybrid quadrupole-linear ion trap-MS and quadrupole-time-of-flight-MS. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 8293-300	7.8	43
82	Response of Lemna gibba L. to high and environmentally relevant concentrations of ibuprofen: Removal, metabolism and morpho-physiological traits for biomonitoring of emerging contaminants. <i>Science of the Total Environment</i> , <b>2017</b> , 584-585, 363-373	10.2	42
81	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
80	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
79	Pharmaceuticals on a sewage impacted section of a Mediterranean River (Llobregat River, NE Spain) and their relationship with hydrological conditions. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 1013-25	5.1	40
78	Pulsed light for a cleaner dyeing industry: Azo dye degradation by an advanced oxidation process driven by pulsed light. <i>Journal of Cleaner Production</i> , <b>2019</b> , 217, 757-766	10.3	36

77	Determination of PAHs in river water samples by ELISA. <i>Analytica Chimica Acta</i> , <b>1998</b> , 376, 49-53	6.6	36
76	Human Metabolite Lamotrigine-N(2)-glucuronide Is the Principal Source of Lamotrigine-Derived Compounds in Wastewater Treatment Plants and Surface Water. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 154-64	10.3	35
75	Trace analysis of polar pharmaceuticals in wastewater by LC-MS-MS: comparison of membrane bioreactor and activated sludge systems. <i>Journal of Chromatographic Science</i> , <b>2009</b> , 47, 19-25	1.4	32
74	Modelling the emerging pollutant diclofenac with the GREAT-ER model: application to the Llobregat River Basin. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 263 Pt 1, 207-13	12.8	29
73	Kinetic and mechanistic studies of the photolysis of metronidazole in simulated aqueous environmental matrices using a mass spectrometric approach. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 421-8	4.4	29
72	Development and validation of an analytical method based on liquid chromatography-tandem mass spectrometry detection for the simultaneous determination of 13 relevant wastewater-derived contaminants in lettuce. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 5375-5387	4.4	28
71	MALDI-TOF MS Imaging evidences spatial differences in the degradation of solid polycaprolactone diol in water under aerobic and denitrifying conditions. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 27-33	10.2	28
70	Pharmaceuticals in a Mediterranean Basin: The influence of temporal and hydrological patterns in environmental risk assessment. <i>Science of the Total Environment</i> , <b>2020</b> , 709, 136205	10.2	28
69	Invertebrate community responses to emerging water pollutants in Iberian river basins. <i>Science of the Total Environment</i> , <b>2015</b> , 503-504, 142-50	10.2	27
68	Hydrological variation modulates pharmaceutical levels and biofilm responses in a Mediterranean river. <i>Science of the Total Environment</i> , <b>2014</b> , 472, 1052-61	10.2	27
67	Sea breeze modulated volatilization of polycyclic aromatic hydrocarbons from the Masnou Harbor (NW Mediterranean Sea). <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 3794-802	10.3	25
66	Development and validation of an analytical method for determination of pharmaceuticals in fish muscle based on QuEChERS extraction and SWATH acquisition using LC-QTOF-MS/MS system. <i>Talanta</i> , <b>2019</b> , 199, 370-379	6.2	25
65	Degradation kinetics and pathways of three calcium channel blockers under UV irradiation. <i>Water Research</i> , <b>2015</b> , 86, 9-16	12.5	24
64	Elucidation of phototransformation reactions of the X-ray contrast medium iopromide under simulated solar radiation using UPLC-ESI-QqTOF-MS. <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 1308-17	2.2	24
63	Assessment of the mutagenic potency of sewage sludges contaminated with polycyclic aromatic hydrocarbons by an Ames sludges for fluctuation assay. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 2576-84	3.8	23
62	Continuous treatment of clofibric acid by <i>Trametes versicolor</i> in a fluidized bed bioreactor: Identification of transformation products and toxicity assessment. <i>Biochemical Engineering Journal</i> , <b>2013</b> , 75, 79-85	4.2	22
61	Evaluation of the phototransformation of the antiviral zanamivir in surface waters through identification of transformation products. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 265, 296-304	12.8	20
60	Priority and emerging organic microcontaminants in three Mediterranean river basins: Occurrence, spatial distribution, and identification of river basin specific pollutants. <i>Science of the Total Environment</i> , <b>2021</b> , 754, 142344	10.2	20

59	Metabolite profiling of carbamazepine and ibuprofen in <i>Solea senegalensis</i> bile using high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 5441-5450	4.4	19
58	Time-of-Flight Mass Spectrometry Versus Orbitrap-Based Mass Spectrometry for the Screening and Identification of Drugs and Metabolites: Is There a Winner?. <i>Comprehensive Analytical Chemistry</i> , <b>2012</b> , 58, 217-272	1.9	19
57	Determination of polycyclic aromatic hydrocarbons in sewage reference sludge by liquid chromatography-atmospheric-pressure chemical-ionization mass spectrometry. <i>Chromatographia</i> , <b>2001</b> , 53, 475-480	2.1	17
56	Biodegradation of fluoroquinolone antibiotics and the climbazole fungicide by <i>Trichoderma</i> species. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 23331-23341	5.1	16
55	Identification of phototransformation products of sildenafil (Viagra) and its N-demethylated human metabolite under simulated sunlight. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 701-11	2.2	16
54	Evaluation of anti-pyrene and anti-fluorene immunosorbent clean-up for PAHs from sludge and sediment reference materials followed by liquid chromatography and diode array detection. <i>Analyst, The</i> , <b>2000</b> , 125, 1273-1279	5	16
53	Development and application of a QuEChERS method with liquid chromatography-quadrupole time of flight-mass spectrometry for the determination of 50 wastewater-borne pollutants in earthworms exposed through treated wastewater. <i>Chemosphere</i> , <b>2021</b> , 263, 128222	8.4	15
52	4-nitroso-sulfamethoxazole generation in soil under denitrifying conditions: Field observations versus laboratory results. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 334, 185-192	12.8	14
51	Treatment Technologies for Wastewater Reuse: Fate of Contaminants of Emerging Concern. <i>Handbook of Environmental Chemistry</i> , <b>2015</b> , 5-37	0.8	12
50	Transcriptomic, biochemical and individual markers in transplanted <i>Daphnia magna</i> to characterize impacts in the field. <i>Science of the Total Environment</i> , <b>2015</b> , 503-504, 200-12	10.2	12
49	Application of bioassay panel for assessing the impact of advanced oxidation processes on the treatment of reverse osmosis brine. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 1168-1174	3.5	12
48	The response patterns of stream biofilms to urban sewage change with exposure time and dilution. <i>Science of the Total Environment</i> , <b>2019</b> , 674, 401-411	10.2	11
47	Biodegradation of Pharmaceuticals by Fungi and Metabolites Identification. <i>Handbook of Environmental Chemistry</i> , <b>2012</b> , 165-213	0.8	11
46	Abiotic amidine and guanidine hydrolysis of lamotrigine-N2-glucuronide and related compounds in wastewater: The role of pH and N2-substitution on reaction kinetics. <i>Water Research</i> , <b>2016</b> , 100, 466-475	12.5	11
45	Characterization of glutathione conjugates of chloroacetanilide pesticides using ultra-performance liquid chromatography/quadrupole time-of-flight mass spectrometry and liquid chromatography/ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 4017-22	2.2	10
44	Comparison of high resolution mrm and sequential window acquisition of all theoretical fragment-ion acquisition modes for the quantitation of 48 wastewater-borne pollutants in lettuce. <i>Journal of Chromatography A</i> , <b>2020</b> , 1631, 461566	4.5	9
43	Boosting pharmaceutical removal through aeration in constructed wetlands. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 412, 125231	12.8	9
42	Analysis and fate of 14 relevant wastewater-derived organic pollutants in long-term exposed soil. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 2687-2696	4.4	8



41	Suspect Screening of Pharmaceuticals and Related Bioactive Compounds, Their Metabolites and Their Transformation Products in the Aquatic Environment, Biota and Humans Using LC-HR-MS Techniques. <i>Comprehensive Analytical Chemistry</i> , <b>2016</b> , 357-378	1.9	8
40	The in vitro interference of synthetic progestogens with carp steroidogenic enzymes. <i>Aquatic Toxicology</i> , <b>2014</b> , 155, 314-21	5.1	8
39	Using MALDI-TOF MS imaging and LC-HRMS for the investigation of the degradation of polycaprolactone diol exposed to different wastewater treatments. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 5401-5411	4.4	8
38	Structure elucidation of phototransformation products of unapproved analogs of the erectile dysfunction drug sildenafil in artificial freshwater with UPLC-Q Exactive-MS. <i>Journal of Mass Spectrometry</i> , <b>2014</b> , 49, 1279-89	2.2	8
37	Removal and toxicity evaluation of a diverse group of drugs from water by a cyclodextrin polymer/pulsed light system. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 402, 123504	12.8	8
36	Preliminary results on the uptake and biochemical response to water-exposure of Tamiflu <sup>®</sup> (oseltamivir phosphate) in two marine bivalves. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2019</b> , 82, 75-85	3.2	7
35	Combining quantitative and qualitative approaches using Sequential Window Acquisition of All Theoretical Fragment-Ion methodology for the detection of pharmaceuticals and related compounds in river fish extracted using a sample miniaturized method. <i>Journal of Chromatography A</i> , <b>2020</b> , 1620, 461009	4.5	7
34	Impact of long-term irrigation with municipal reclaimed wastewater on the uptake and degradation of organic contaminants in lettuce and leek. <i>Science of the Total Environment</i> , <b>2021</b> , 765, 142742	10.2	6
33	Determination of the antimicrobial growth promoter moenomycin-A in chicken litter. <i>Journal of Chromatography A</i> , <b>2007</b> , 1175, 234-41	4.5	5
32	Retrospective mass spectrometric analysis of wastewater-fed mesocosms to assess the degradation of drugs and their human metabolites. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 408, 124984	12.8	5
31	Ecotoxicological impact of the antihypertensive valsartan on earthworms, extracellular enzymes and soil bacterial communities. <i>Environmental Pollution</i> , <b>2021</b> , 275, 116647	9.3	5
30	HRMS Approaches for Evaluating Transformations of Pharmaceuticals in the Aquatic Environment. <i>ACS Symposium Series</i> , <b>2016</b> , 25-44	0.4	5
29	Using a polymer probe characterized by MALDI-TOF/MS to assess river ecosystem functioning: From polymer selection to field tests. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 532-540	10.2	5
28	Elimination of persistent anthropogenic pollutants by micro-mesoporous carbon xerogels. Natural organic matter on surface water and textural properties influences. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104885	6.8	5
27	Fate of pharmaceutically active compounds in a pilot-scale A2O integrated fixed-film activated sludge (IFAS) process treating municipal wastewater. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105398	6.8	5
26	Ecotoxicological risk assessment of wastewater irrigation on soil microorganisms: Fate and impact of wastewater-borne micropollutants in lettuce-soil system. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 223, 112595	7	5
25	Analysis of pharmaceuticals in fish using ultrasound extraction and dispersive SPE clean-up on que Z-Sep/C18 followed by LC-QToF-MS detection. <i>MethodsX</i> , <b>2020</b> , 7, 101010	1.9	4
24	Conventional and Advanced Processes for the Removal of Pharmaceuticals and Their Human Metabolites from Wastewater. <i>ACS Symposium Series</i> , <b>2018</b> , 15-67	0.4	4

23	Insights into the removal of pharmaceutically active compounds from sewage sludge by two-stage mesophilic anaerobic digestion. <i>Science of the Total Environment</i> , <b>2021</b> , 789, 147869	10.2	4
22	Environmental analysis: Emerging pollutants <b>2017</b> , 451-477		3
21	Fragmentation studies on the antibiotic avilamycin A using ion trap mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2004</b> , 39, 1541-53	2.2	3
20	Effect of the pharmaceuticals diclofenac and lamotrigine on stress responses and stress gene expression in lettuce ( <i>Lactuca sativa</i> ) at environmentally relevant concentrations. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123881	12.8	3
19	Biomarker responses and metabolism in <i>Lumbricus terrestris</i> exposed to drugs of environmental concern, an <i>in vivo</i> and <i>in vitro</i> approach. <i>Chemosphere</i> , <b>2021</b> , 277, 130283	8.4	3
18	Liquid Chromatography-Mass Spectrometry: Quantification and Confirmation Aspects <b>2015</b> , 347-377		2
17	Pollutants of Emerging Concern in Rivers of Catalonia: Occurrence, Fate, and Risk. <i>Handbook of Environmental Chemistry</i> , <b>2015</b> , 283-320	0.8	2
16	The Journey of Human Drugs from Their Design at the Bench to Their Fate in Crops. <i>Handbook of Environmental Chemistry</i> , <b>2020</b> , 3	0.8	2
15	Methods for Elucidation of Transformation Pathways: Identification of Intermediate Products, Chiral, and Isotope-Ratio Mass Spectrometry Analysis. <i>Comprehensive Analytical Chemistry</i> , <b>2013</b> , 62, 593-610	1.9	2
14	Wastewater Reuse in the Llobregat: The Experience at the Prat de Llobregat Treatment Plant. <i>Handbook of Environmental Chemistry</i> , <b>2012</b> , 327-346	0.8	2
13	One-step extraction and analysis of 45 contaminants of emerging concern using QuEChERS methodology and HR-MS in radish leaves and roots. <i>MethodsX</i> , <b>2021</b> , 8, 101308	1.9	2
12	Conclusions and Future Research Needs. <i>Comprehensive Analytical Chemistry</i> , <b>2013</b> , 62, 705-718	1.9	1
11	Wastewater Reuse in the Mediterranean Area of Catalonia, Spain: Case Study of Reuse of Tertiary Effluent from a Wastewater Treatment Plant at el Prat de Llobregat (Barcelona). <i>Handbook of Environmental Chemistry</i> , <b>2010</b> , 249-294	0.8	1
10	Analyzing transformation products of synthetic chemicals. <i>Handbook of Environmental Chemistry</i> , <b>2008</b> , 43-81	0.8	1
9	A modified recombinering protocol for the genetic manipulation of gene clusters in <i>Aspergillus fumigatus</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e111875	3.7	1
8	Perfluorinated Compounds in Food. <i>Handbook of Environmental Chemistry</i> , <b>2012</b> , 127-153	0.8	1
7	Nitrosation and nitration of diclofenac and structurally related nonsteroidal anti-inflammatory drugs (NSAIDs) in nitrifying activated sludge. <i>Science of the Total Environment</i> , <b>2022</b> , 807, 150533	10.2	1
6	Fate and impact of wastewater-borne micropollutants in lettuce and the root-associated bacteria.. <i>Science of the Total Environment</i> , <b>2022</b> , 154674	10.2	1



5	Multilayered solid phase extraction and ultra performance liquid chromatographic method for suspect screening of halogenated pharmaceuticals and photo-transformation products in freshwater - comparison between data-dependent and data-independent acquisition mass spectrometry.. <i>Journal of Chromatography A</i> , <b>2021</b> , 1663, 462760	4.5	o
4	Metabolism of Pharmaceuticals in Plants and Their Associated Microbiota. <i>Handbook of Environmental Chemistry</i> , <b>2020</b> , 221-264	0.8	o
3	Development of a USE/d-SPE and targeted DIA-Orbitrap-MS acquisition methodology for the analysis of wastewater-derived organic pollutants in fish tissues and body fluids.. <i>MethodsX</i> , <b>2022</b> , 9, 101705	1.9	o
2	Application of Biosensors for Environmental Analysis <b>2011</b> , 413-438		
1	Removal of diclofenac by a local bacterial consortium: UHPLC-ESI-MS/MS analysis of metabolites and ecotoxicity assessment. <i>Brazilian Journal of Microbiology</i> , <b>2021</b> , 52, 749-759	2.2	