

# Sara Castiglioni

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146  
papers

9,765  
citations

50  
h-index

98  
g-index

152  
ext. papers

11,013  
ext. citations

8.4  
avg, IF

6.16  
L-index

#	Paper	IF	Citations
146	SARS-CoV-2 RNA in urban wastewater samples to monitor the COVID-19 pandemic in Lombardy, Italy (March-June 2020). <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150816	10.2	3
145	Evaluation of Pre-Analytical and Analytical Methods for Detecting SARS-CoV-2 in Municipal Wastewater Samples in Northern Italy. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 833	3	1
144	Association Between SARS-CoV-2 Viral Load in Wastewater and Reported Cases, Hospitalizations, and Vaccinations in Milan, March 2020 to November 2021.. <i>JAMA - Journal of the American Medical Association</i> , <b>2022</b> ,	27.4	1
143	A Taste for New Psychoactive Substances: Wastewater Analysis Study of 10 Countries. <i>Environmental Science and Technology Letters</i> , <b>2022</b> , 9, 57-63	11	5
142	New Psychoactive Substances <b>2022</b> , 127-149		
141	International snapshot of new psychoactive substance use: Case study of eight countries over the 2019/2020 new year period. <i>Water Research</i> , <b>2021</b> , 193, 116891	12.5	12
140	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. <i>Water Research</i> , <b>2021</b> , 195, 116983	12.5	14
139	Perspectives and challenges associated with the determination of new psychoactive substances in urine and wastewater - A tutorial. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1145, 132-147	6.6	6
138	Making Waves: Collaboration in the time of SARS-CoV-2 - rapid development of an international co-operation and wastewater surveillance database to support public health decision-making. <i>Water Research</i> , <b>2021</b> , 199, 117167	12.5	24
137	First comprehensive study of alcohol consumption in Italy using wastewater-based epidemiology. <i>Science of the Total Environment</i> , <b>2021</b> , 776, 145863	10.2	4
136	Changes in drug use in European cities during early COVID-19 lockdowns - A snapshot from wastewater analysis. <i>Environment International</i> , <b>2021</b> , 153, 106540	12.9	15
135	Carbamazepine Levels Related to the Demographic Indicators in Groundwater of Densely Populated Area. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 2539	3	0
134	Wastewater-based epidemiology as a novel tool to evaluate human exposure to pesticides: Triazines and organophosphates as case studies. <i>Science of the Total Environment</i> , <b>2021</b> , 793, 148618	10.2	5
133	A multi-residue analytical method for extraction and analysis of pharmaceuticals and other selected emerging contaminants in sewage sludge. <i>Analytical Methods</i> , <b>2021</b> , 13, 526-535	3.2	6
132	Pharmaceuticals and other contaminants in waters and sediments from Augusta Bay (southern Italy). <i>Science of the Total Environment</i> , <b>2020</b> , 739, 139827	10.2	15
131	Testing urban wastewater to assess compliance with prescription data through wastewater-based epidemiology: First case study in Italy. <i>Science of the Total Environment</i> , <b>2020</b> , 739, 139741	10.2	13
130	Enantiomeric profiling of quinolones and quinolones resistance gene qnrS in European wastewaters. <i>Water Research</i> , <b>2020</b> , 175, 115653	12.5	13

129	Methamphetamine exposure modulated oxidative status and altered the reproductive output in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 721, 137728	10.2	7
128	Monitoring psychoactive substance use at six European festivals through wastewater and pooled urine analysis. <i>Science of the Total Environment</i> , <b>2020</b> , 725, 138376	10.2	27
127	Environmental risk classification of emerging contaminants in an alpine stream influenced by seasonal tourism. <i>Ecological Indicators</i> , <b>2020</b> , 115, 106428	5.8	3
126	Wastewater-based epidemiology to assess the occurrence of new psychoactive substances and alcohol consumption in Slovakia. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 200, 110762	7	13
125	Spatio-temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. <i>Addiction</i> , <b>2020</b> , 115, 109-120	4.6	88
124	Physiological and Transcriptional Effects of Mixtures of Environmental Estrogens, Androgens, Progestins, and Glucocorticoids in Zebrafish. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 1092-1101	10.3	10
123	Monitoring caffeine and nicotine use in a nationwide study in Italy using wastewater-based epidemiology. <i>Science of the Total Environment</i> , <b>2020</b> , 747, 141331	10.2	10
122	Use of legal and illegal substances in Malé (Republic of Maldives) assessed by wastewater analysis. <i>Science of the Total Environment</i> , <b>2020</b> , 698, 134207	10.2	17
121	Wastewater-based epidemiology for tracking human exposure to mycotoxins. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 382, 121108	12.8	22
120	Micropollutants in Lake Como water in the context of circular economy: A snapshot of water cycle contamination in a changing pollution scenario. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121441	12.8	20
119	Assessment of human exposure to selected pesticides in Norway by wastewater analysis. <i>Science of the Total Environment</i> , <b>2020</b> , 723, 138132	10.2	15
118	Simultaneous determination of new psychoactive substances and illicit drugs in sewage: Potential of micro-liquid chromatography tandem mass spectrometry in wastewater-based epidemiology. <i>Journal of Chromatography A</i> , <b>2019</b> , 1602, 300-309	4.5	23
117	Risk assessment of a mixture of emerging contaminants in surface water in a highly urbanized area in Italy. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 361, 103-110	12.8	79
116	Drug Use by Music Festival Attendees: A Novel Triangulation Approach Using Self-Reported Data and Test Results of Oral Fluid and Pooled Urine Samples. <i>Substance Use and Misuse</i> , <b>2019</b> , 54, 2317-2327 <sup>2.2</sup>	2.2	3
115	Flexible high resolution-mass spectrometry approach for screening new psychoactive substances in urban wastewater. <i>Science of the Total Environment</i> , <b>2019</b> , 689, 679-690	10.2	22
114	Biochemical and behavioral effects induced by cocaine exposure to <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , <b>2019</b> , 689, 141-148	10.2	14
113	Illicit drugs in drinking water. <i>Current Opinion in Environmental Science and Health</i> , <b>2019</b> , 7, 92-97	8.1	15
112	Comparison of phosphodiesterase type V inhibitors use in eight European cities through analysis of urban wastewater. <i>Environment International</i> , <b>2018</b> , 115, 279-284	12.9	20

111	Data on occurrence and fate of emerging contaminants in a urbanised area. <i>Data in Brief</i> , <b>2018</b> , 17, 533-543	11.3	13
110	Monitoring emerging contaminants in the drinking water of Milan and assessment of the human risk. <i>International Journal of Hygiene and Environmental Health</i> , <b>2018</b> , 221, 451-457	6.9	71
109	Mass balance of emerging contaminants in the water cycle of a highly urbanized and industrialized area of Italy. <i>Water Research</i> , <b>2018</b> , 131, 287-298	12.5	65
108	Illicit drugs and pharmaceuticals in swimming pool waters. <i>Science of the Total Environment</i> , <b>2018</b> , 635, 956-963	10.2	15
107	Recent advances in analytical methods for the determination of 4-alkylphenols and bisphenol A in solid environmental matrices: A critical review. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1024, 39-51	6.6	32
106	Personal care products in surface, ground and wastewater of a complex aquifer system, a potential planning tool for contemporary urban settings. <i>Journal of Environmental Management</i> , <b>2018</b> , 214, 76-85	7.9	12
105	Multi-year inter-laboratory exercises for the analysis of illicit drugs and metabolites in wastewater: Development of a quality control system. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 103, 34-43	14.6	62
104	Mass spectrometric strategies for the investigation of biomarkers of illicit drug use in wastewater. <i>Mass Spectrometry Reviews</i> , <b>2018</b> , 37, 258-280	11	57
103	Benzoylcegonine exposure induced oxidative stress and altered swimming behavior and reproduction in <i>Daphnia magna</i> . <i>Environmental Pollution</i> , <b>2018</b> , 232, 236-244	9.3	45
102	Quasi-SMILES as a tool to predict removal rates of pharmaceuticals and dyes in sewage. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 118, 227-233	5.5	9
101	Exposure of an urban population to pesticides assessed by wastewater-based epidemiology in a Caribbean island. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 129-136	10.2	19
100	Wastewater-Based Epidemiology as a Novel Biomonitoring Tool to Evaluate Human Exposure To Pollutants. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10224-10226	10.3	32
99	Wastewater Analysis for Community-Wide Drugs Use Assessment. <i>Handbook of Experimental Pharmacology</i> , <b>2018</b> , 252, 543-566	3.2	12
98	Enantiomeric profiling of chiral illicit drugs in a pan-European study. <i>Water Research</i> , <b>2018</b> , 130, 151-160	12.5	69
97	Monitoring MDMA metabolites in urban wastewater as novel biomarkers of consumption. <i>Water Research</i> , <b>2017</b> , 115, 1-8	12.5	15
96	Wastewater-based epidemiology to assess human exposure to pyrethroid pesticides. <i>Environment International</i> , <b>2017</b> , 99, 213-220	12.9	50
95	Wastewater-based epidemiology to assess pan-European pesticide exposure. <i>Water Research</i> , <b>2017</b> , 121, 270-279	12.5	75
94	Monitoring a large number of pesticides and transformation products in water samples from Spain and Italy. <i>Environmental Research</i> , <b>2017</b> , 156, 31-38	7.9	53

93	Measuring biomarkers in wastewater as a new source of epidemiological information: Current state and future perspectives. <i>Environment International</i> , <b>2017</b> , 99, 131-150	12.9	141
92	Estimation of caffeine intake from analysis of caffeine metabolites in wastewater. <i>Science of the Total Environment</i> , <b>2017</b> , 609, 1582-1588	10.2	66
91	Illicit drug consumption in school populations measured by wastewater analysis. <i>Drug and Alcohol Dependence</i> , <b>2017</b> , 178, 285-290	4.9	16
90	Liquid chromatography-tandem mass spectrometry determination of synthetic cathinones and phenethylamines in influent wastewater of eight European cities. <i>Chemosphere</i> , <b>2017</b> , 168, 1032-1041	8.4	60
89	Increase in cannabis use may indirectly affect the health status of a freshwater species. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 472-479	3.8	13
88	Water-borne pharmaceuticals reduce phenotypic diversity and response capacity of natural phytoplankton communities. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174207	3.7	10
87	Amphetamine exposure imbalanced antioxidant activity in the bivalve <i>Dreissena polymorpha</i> causing oxidative and genetic damage. <i>Chemosphere</i> , <b>2016</b> , 144, 207-13	8.4	29
86	Monitoring population exposure to pesticides based on liquid chromatography-tandem mass spectrometry measurement of their urinary metabolites in urban wastewater: A novel biomonitoring approach. <i>Science of the Total Environment</i> , <b>2016</b> , 571, 1349-57	10.2	49
85	Wastewater-based epidemiological evaluation of the effect of air pollution on short-acting beta-agonist consumption for acute asthma treatment. <i>Environmental Research</i> , <b>2016</b> , 150, 106-111	7.9	18
84	Genotoxic effects induced by the exposure to an environmental mixture of illicit drugs to the zebra mussel. <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 132, 26-30	7	18
83	Comparative measurement and quantitative risk assessment of alcohol consumption through wastewater-based epidemiology: An international study in 20 cities. <i>Science of the Total Environment</i> , <b>2016</b> , 565, 977-983	10.2	70
82	Illicit drug consumption estimated by wastewater analysis in different districts of Milan: A case study. <i>Drug and Alcohol Review</i> , <b>2016</b> , 35, 128-32	3.2	6
81	Assessing geographical differences in illicit drug consumption--A comparison of results from epidemiological and wastewater data in Germany and Switzerland. <i>Drug and Alcohol Dependence</i> , <b>2016</b> , 161, 189-99	4.9	45
80	Population surveys compared with wastewater analysis for monitoring illicit drug consumption in Italy in 2010-2014. <i>Drug and Alcohol Dependence</i> , <b>2016</b> , 161, 178-88	4.9	44
79	A nuanced picture of illicit drug use in 17 Italian cities through functional principal component analysis of temporal wastewater data. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , <b>2016</b> , 24, 165-174	1.4	1
78	High resolution mass spectrometry to investigate omeprazole and venlafaxine metabolites in wastewater. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 302, 332-340	12.8	28
77	Toxicokinetics of new psychoactive substances: plasma protein binding, metabolic stability, and human phase I metabolism of the synthetic cannabinoid WIN 55,212-2 studied using in vitro tools and LC-HR-MS/MS. <i>Drug Testing and Analysis</i> , <b>2016</b> , 8, 1039-1048	3.5	20
76	Comparison of pharmaceutical, illicit drug, alcohol, nicotine and caffeine levels in wastewater with sale, seizure and consumption data for 8 European cities. <i>BMC Public Health</i> , <b>2016</b> , 16, 1035	4.1	93

75	Increased levels of the oxidative stress biomarker 8-iso-prostaglandin F in wastewater associated with tobacco use. <i>Scientific Reports</i> , <b>2016</b> , 6, 39055	4.9	46
74	Drugs of abuse and alcohol consumption among different groups of population on the Greek Island of Lesbos through sewage-based epidemiology. <i>Science of the Total Environment</i> , <b>2016</b> , 563-564, 633-40	10.2	47
73	Source discrimination of drug residues in wastewater: The case of salbutamol. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1023-1024, 62-7	3.2	14
72	Screening new psychoactive substances in urban wastewater using high resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 4297-309	4.4	37
71	Investigation of agreement between wastewater-based epidemiology and survey data on alcohol and nicotine use in a community. <i>Drug and Alcohol Dependence</i> , <b>2016</b> , 162, 170-5	4.9	41
70	Refining correction factors for back-calculation of illicit drug use. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 1648-1659	10.2	77
69	Wastewater-Based Epidemiology To Monitor Synthetic Cathinones Use in Different European Countries. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 10089-96	10.3	66
68	Alcohol and cocaine co-consumption in two European cities assessed by wastewater analysis. <i>Science of the Total Environment</i> , <b>2015</b> , 536, 91-98	10.2	64
67	Environmental Progestins Progesterone and Drospirenone Alter the Circadian Rhythm Network in Zebrafish ( <i>Danio rerio</i> ). <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 10155-64	10.3	40
66	Synthetic progestins medroxyprogesterone acetate and dydrogesterone and their binary mixtures adversely affect reproduction and lead to histological and transcriptional alterations in zebrafish ( <i>Danio rerio</i> ). <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 4636-45	10.3	74
65	Wastewater analysis to monitor spatial and temporal patterns of use of two synthetic recreational drugs, ketamine and mephedrone, in Italy. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 5563-70	10.3	54
64	Screening of pharmaceuticals and illicit drugs in wastewater and surface waters of Spain and Italy by high resolution mass spectrometry using UHPLC-QTOF MS and LC-LTQ-Orbitrap MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 8979-88	4.4	50
63	Prioritization and analysis of pharmaceuticals for human use contaminating the aquatic ecosystem in Italy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 106, 71-8	3.5	30
62	A novel approach for monitoring tobacco use in local communities by wastewater analysis. <i>Tobacco Control</i> , <b>2015</b> , 24, 38-42	5.3	97
61	Sources and fate of perfluorinated compounds in the aqueous environment and in drinking water of a highly urbanized and industrialized area in Italy. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 282, 51-60	12.8	117
60	Wastewater analysis to monitor use of caffeine and nicotine and evaluation of their metabolites as biomarkers for population size assessment. <i>Water Research</i> , <b>2015</b> , 74, 23-33	12.5	109
59	Realistic mixture of illicit drugs impaired the oxidative status of the zebra mussel ( <i>Dreissena polymorpha</i> ). <i>Chemosphere</i> , <b>2015</b> , 128, 96-102	8.4	29
58	Spatial differences and temporal changes in illicit drug use in Europe quantified by wastewater analysis. <i>Addiction</i> , <b>2014</b> , 109, 1338-52	4.6	265



57	Transcriptional and physiological responses induced by binary mixtures of drospirenone and progesterone in zebrafish ( <i>Danio rerio</i> ). <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 3523-31	10.3	79
56	Testing wastewater to detect illicit drugs: state of the art, potential and research needs. <i>Science of the Total Environment</i> , <b>2014</b> , 487, 613-20	10.2	129
55	Special Issue. Testing the waters: a selection of papers from the first international multidisciplinary conference on detecting illicit drugs in wastewater. <i>Science of the Total Environment</i> , <b>2014</b> , 487, 611-2	10.2	
54	Presence of Illicit Drugs in the Sarno River (Campania Region, Italy). <i>Pharmacology &amp; Pharmacy</i> , <b>2014</b> , 05, 755-761	0.3	1
53	Sewage-based Epidemiology Requires a Truly Transdisciplinary Approach. <i>Gaia</i> , <b>2014</b> , 23, 266-268	1.4	7
52	The biofiltration process by the bivalve <i>D. polymorpha</i> for the removal of some pharmaceuticals and drugs of abuse from civil wastewaters. <i>Ecological Engineering</i> , <b>2014</b> , 71, 710-721	3.9	30
51	Progesterone alters global transcription profiles at environmental concentrations in brain and ovary of female zebrafish ( <i>Danio rerio</i> ). <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 12548-56	10.3	55
50	Effects of low concentrations of the antiprogesterin mifepristone (RU486) in adults and embryos of zebrafish ( <i>Danio rerio</i> ): 1. Reproductive and early developmental effects. <i>Aquatic Toxicology</i> , <b>2013</b> , 144-145, 83-95	5.1	47
49	Evaluation of uncertainties associated with the determination of community drug use through the measurement of sewage drug biomarkers. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 1452-60	10.3	257
48	Progestins and antiprogesterins affect gene expression in early development in zebrafish ( <i>Danio rerio</i> ) at environmental concentrations. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5183-92	10.3	84
47	Comparing illicit drug use in 19 European cities through sewage analysis. <i>Science of the Total Environment</i> , <b>2012</b> , 432, 432-9	10.2	353
46	Presence and Removal of Illicit Drugs in Conventional Drinking Water Treatment Plants <b>2011</b> , 203-222		
45	Psychotropic Substances in Urban Airborne Particulates <b>2011</b> , 233-249		
44	Illicit Drugs and the Environment <b>2011</b> , 1-27		2
43	Determination of Illicit Drugs in the Water Cycle by LC-Orbitrap MS <b>2011</b> , 87-114		4
42	Occurrence of Illicit Drugs in Wastewater and Surface Water in Italy <b>2011</b> , 137-151		2
41	On the Frontier: Analytical Chemistry and the Occurrence of Illicit Drugs into Surface Waters in the United States <b>2011</b> , 171-188		1
40	Drug Addiction Potential of a New Approach to Monitoring Drug Consumption <b>2011</b> , 275-290		

39	Cocaine and Metabolites in Wastewater as a Tool to Calculate Local and National Cocaine Consumption Prevalence in Belgium <b>2011</b> , 305-319		
38	Conclusions and Future Perspectives <b>2011</b> , 333-338		
37	Metabolism and Excretion of Illicit Drugs in Humans <b>2011</b> , 29-52		3
36	Wide-Scope Screening of Illicit Drugs in Urban Wastewater by UHPLC-TOF MS <b>2011</b> , 69-85		
35	Occurrence of Illicit Drugs in Wastewater in Spain <b>2011</b> , 115-136		
34	Occurrence of Illicit Drugs in Surface Water and Wastewater in the UK <b>2011</b> , 153-170		
33	Monitoring Nonprescription Drugs in Surface Water in Nebraska (USA) <b>2011</b> , 189-201		
32	Measurement of Illicit Drug Consumption in Small Populations: Prognosis for Noninvasive Drug Testing of Student Populations <b>2011</b> , 321-331		14
31	Assessing Illicit Drug Consumption by Wastewater Analysis: History, Potential, and Limitation of a Novel Approach <b>2011</b> , 291-304		3
30	Illicit Drugs in the Environment: Implication for Ecotoxicology <b>2011</b> , 251-274		
29	Analysis of Illicit Drugs in Water Using Direct-Injection Liquid Chromatography-Tandem Mass Spectrometry <b>2011</b> , 223-232		
28	Effects of a complex mixture of therapeutic drugs on unicellular algae <i>Pseudokirchneriella subcapitata</i> . <i>Aquatic Toxicology</i> , <b>2011</b> , 101, 459-65	5.1	77
27	Changes in illicit drug consumption patterns in 2009 detected by wastewater analysis. <i>Drug and Alcohol Dependence</i> , <b>2011</b> , 118, 464-9	4.9	85
26	Identification of cocaine and its metabolites in urban wastewater and comparison with the human excretion profile in urine. <i>Water Research</i> , <b>2011</b> , 45, 5141-50	12.5	80
25	Wiley-Interscience Series in Mass Spectrometry <b>2011</b> , 347-347		
24	Illicit drug consumption estimations derived from wastewater analysis: a critical review. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 3564-77	10.2	294
23	Analytical Methods for the Detection of Illicit Drugs in Wastewaters and Surface Waters <b>2011</b> , 53-67		
22	Second interlaboratory exercise on non-steroidal anti-inflammatory drug analysis in environmental aqueous samples. <i>Talanta</i> , <b>2010</b> , 81, 1189-96	6.2	41



21	Illicit Drugs as Emerging Contaminants. <i>ACS Symposium Series</i> , <b>2010</b> , 119-136	0.4	2
20	Illicit drugs in the environment: Emerging contaminants and indicators of drug abuse. <i>Integrated Environmental Assessment and Management</i> , <b>2010</b> , 6, 186-7	2.5	7
19	Source, occurrence and fate of antibiotics in the Italian aquatic environment. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 179, 1042-8	12.8	367
18	Illicit drugs in the environment. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2009</b> , 367, 3965-78	3	87
17	Illicit drugs, a novel group of environmental contaminants. <i>Water Research</i> , <b>2008</b> , 42, 961-8	12.5	244
16	Novel homologs of the multiple resistance regulator marA in antibiotic-contaminated environments. <i>Water Research</i> , <b>2008</b> , 42, 4271-80	12.5	45
15	Estimating community drug abuse by wastewater analysis. <i>Environmental Health Perspectives</i> , <b>2008</b> , 116, 1027-32	8.4	423
14	Mass spectrometric analysis of illicit drugs in wastewater and surface water. <i>Mass Spectrometry Reviews</i> , <b>2008</b> , 27, 378-94	11	115
13	Gene expression profiles in zebrafish ( <i>Danio rerio</i> ) liver cells exposed to a mixture of pharmaceuticals at environmentally relevant concentrations. <i>Chemosphere</i> , <b>2007</b> , 70, 65-73	8.4	51
12	Removal of pharmaceuticals in sewage treatment plants in Italy. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 357-63	10.3	626
11	Effects of a complex mixture of therapeutic drugs at environmental levels on human embryonic cells. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 2442-7	10.3	372
10	Identification and measurement of illicit drugs and their metabolites in urban wastewater by liquid chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 8421-9	7.8	349
9	Pharmaceuticals in the environment in Italy: causes, occurrence, effects and control. <i>Environmental Science and Pollution Research</i> , <b>2006</b> , 13, 15-21	5.1	189
8	Cocaine in surface waters: a new evidence-based tool to monitor community drug abuse. <i>Environmental Health</i> , <b>2005</b> , 4, 14	6	354
7	Identification of the pharmaceuticals for human use contaminating the Italian aquatic environment. <i>Journal of Hazardous Materials</i> , <b>2005</b> , 122, 205-9	12.8	296
6	A multiresidue analytical method using solid-phase extraction and high-pressure liquid chromatography tandem mass spectrometry to measure pharmaceuticals of different therapeutic classes in urban wastewaters. <i>Journal of Chromatography A</i> , <b>2005</b> , 1092, 206-15	4.5	315
5	Preliminary investigation on the environmental occurrence and effects of antibiotics used in aquaculture in Italy. <i>Chemosphere</i> , <b>2004</b> , 54, 661-8	8.4	213
4	Screening the leaching tendency of pesticides applied in the Amu Darya Basin (Uzbekistan). <i>Water Research</i> , <b>2004</b> , 38, 3485-94	12.5	35

3	Methodological approaches for studying pharmaceuticals in the environment by comparing predicted and measured concentrations in River Po, Italy. <i>Regulatory Toxicology and Pharmacology</i> , <b>2004</b> , 39, 25-32	3-4	74
2	Strategic Survey of Therapeutic Drugs in the Rivers Po and Lambro in Northern Italy. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 1241-1248	10-3	516
1	SARS-CoV-2 RNA in urban wastewater samples to monitor the COVID-19 epidemic in Lombardy, Italy (March - June 2020)		2