Ettore Zuccato

List of Publications by Year
in descending order

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117 papers	11,555 citations	38742 50 h-index	30087 103 g-index
146 all docs	146 docs citations	146 times ranked	9486 citing authors

#	Article	IF	Citations
1	Removal of Pharmaceuticals in Sewage Treatment Plants in Italy. Environmental Science & Technology, 2006, 40, 357-363.	10.0	706
2	Presence of therapeutic drugs in the environment. Lancet, The, 2000, 355, 1789-1790.	13.7	582
3	Strategic Survey of Therapeutic Drugs in the Rivers Po and Lambro in Northern Italy. Environmental Science & Technology, 2003, 37, 1241-1248.	10.0	557
4	Estimating Community Drug Abuse by Wastewater Analysis. Environmental Health Perspectives, 2008, 116, 1027-1032.	6.0	514
5	Cocaine in surface waters: a new evidence-based tool to monitor community drug abuse. Environmental Health, 2005, 4, 14.	4.0	445
6	Source, occurrence and fate of antibiotics in the Italian aquatic environment. Journal of Hazardous Materials, 2010, 179, 1042-1048.	12.4	419
7	Effects of a Complex Mixture of Therapeutic Drugs at Environmental Levels on Human Embryonic Cells. Environmental Science & Technology, 2006, 40, 2442-2447.	10.0	417
8	Identification and Measurement of Illicit Drugs and Their Metabolites in Urban Wastewater by Liquid Chromatographyâ^'Tandem Mass Spectrometry. Analytical Chemistry, 2006, 78, 8421-8429.	6.5	392
9	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. Journal of Chromatography A, 2005, 1092, 206-215.	3.7	340
10	Identification of the pharmaceuticals for human use contaminating the Italian aquatic environment. Journal of Hazardous Materials, 2005, 122, 205-209.	12.4	337
11	Illicit drug consumption estimations derived from wastewater analysis: A critical review. Science of the Total Environment, 2011, 409, 3564-3577.	8.0	335
12	Evaluation of Uncertainties Associated with the Determination of Community Drug Use through the Measurement of Sewage Drug Biomarkers. Environmental Science & Technology, 2013, 47, 1452-1460.	10.0	320
13	Antibiotics in the Environment:Â Occurrence in Italian STPs, Fate, and Preliminary Assessment on Algal Toxicity of Amoxicillin. Environmental Science & Technology, 2004, 38, 6832-6838.	10.0	270
14	Illicit drugs, a novel group of environmental contaminants. Water Research, 2008, 42, 961-968.	11.3	257
15	Pharmaceuticals in the Environment in Italy: Causes, Occurrence, Effects and Control. Environmental Science and Pollution Research, 2006, 13, 15-21.	5.3	216
16	Measuring biomarkers in wastewater as a new source of epidemiological information: Current state and future perspectives. Environment International, 2017, 99, 131-150.	10.0	209
17	Effects and Interactions in an Environmentally Relevant Mixture of Pharmaceuticals. Toxicological Sciences, 2008, 102, 129-137.	3.1	180
18	Wastewater analysis to monitor use of caffeine and nicotine and evaluation of their metabolites as biomarkers for population size assessment. Water Research, 2015, 74, 23-33.	11.3	163

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19	Spatioâ€temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. Addiction, 2020, 115, 109-120.	3.3	154
20	Sources and fate of perfluorinated compounds in the aqueous environment and in drinking water of a highly urbanized and industrialized area in Italy. Journal of Hazardous Materials, 2015, 282, 51-60.	12.4	142
21	A novel approach for monitoring tobacco use in local communities by wastewater analysis. Tobacco Control, 2015, 24, 38-42.	3.2	135
22	Risk assessment of a mixture of emerging contaminants in surface water in a highly urbanized area in Italy. Journal of Hazardous Materials, 2019, 361, 103-110.	12.4	129
23	Mass spectrometric analysis of illicit drugs in wastewater and surface water. Mass Spectrometry Reviews, 2008, 27, 378-394.	5.4	127
24	Measurement of urinary 8-epi-prostaglandin f2Î±, a novel index of lipid peroxidation in vivo, by immunoaffinity extraction/gas chromatography-mass spectrometry. Basal levels in smokers and nonsmokers. Free Radical Biology and Medicine, 1996, 20, 619-624.	2.9	112
25	Wastewater-based epidemiology to assess pan-European pesticide exposure. Water Research, 2017, 121, 270-279.	11.3	110
26	Refining correction factors for back-calculation of illicit drug use. Science of the Total Environment, 2016, 573, 1648-1659.	8.0	107
27	Monitoring emerging contaminants in the drinking water of Milan and assessment of the human risk. International Journal of Hygiene and Environmental Health, 2018, 221, 451-457.	4.3	101
28	Illicit drugs in the environment. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3965-3978.	3.4	96
29	Identification of cocaine and its metabolites in urban wastewater and comparison with the human excretion profile in urine. Water Research, 2011, 45, 5141-5150.	11.3	95
30	Mass spectrometric strategies for the investigation of biomarkers of illicit drug use in wastewater. Mass Spectrometry Reviews, 2018, 37, 258-280.	5.4	95
31	Methodological approaches for studying pharmaceuticals in the environment by comparing predicted and measured concentrations in River Po, Italy. Regulatory Toxicology and Pharmacology, 2004, 39, 25-32.	2.7	90
32	Mass balance of emerging contaminants in the water cycle of a highly urbanized and industrialized area of Italy. Water Research, 2018, 131, 287-298.	11.3	89
33	Identification and Measurement of Endogenous Î²-Oxidation Metabolites of 8-epi-Prostaglandin F2Î±. Journal of Biological Chemistry, 1999, 274, 1313-1319.	3.4	88
34	Changes in illicit drug consumption patterns in 2009 detected by wastewater analysis. Drug and Alcohol Dependence, 2011, 118, 464-469.	3.2	88
35	Estimation of caffeine intake from analysis of caffeine metabolites in wastewater. Science of the Total Environment, 2017, 609, 1582-1588.	8.0	87
36	Role of bile acids and metabolic activity of colonic bacteria in increased risk of colon cancer after cholecystectomy. Digestive Diseases and Sciences, 1993, 38, 514-519.	2.3	85

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37	Wastewater-Based Epidemiology To Monitor Synthetic Cathinones Use in Different European Countries. Environmental Science & Technology, 2016, 50, 10089-10096.	10.0	83
38	Enantiomeric profiling of chiral illicit drugs in a pan-European study. Water Research, 2018, 130, 151-160.	11.3	83
39	Liquid chromatography-tandem mass spectrometry determination of synthetic cathinones and phenethylamines in influent wastewater of eight European cities. Chemosphere, 2017, 168, 1032-1041.	8.2	82
40	PCDD/Fs and dioxin-like PCBs in human milk and estimation of infantsâ€™ daily intake: A review. Chemosphere, 2011, 83, 774-782.	8.2	81
41	Alcohol and cocaine co-consumption in two European cities assessed by wastewater analysis. Science of the Total Environment, 2015, 536, 91-98.	8.0	78
42	Monitoring population exposure to pesticides based on liquid chromatography-tandem mass spectrometry measurement of their urinary metabolites in urban wastewater: A novel biomonitoring approach. Science of the Total Environment, 2016, 571, 1349-1357.	8.0	66
43	Monitoring a large number of pesticides and transformation products in water samples from Spain and Italy. Environmental Research, 2017, 156, 31-38.	7.5	66
44	Wastewater-based epidemiology to assess human exposure to pyrethroid pesticides. Environment International, 2017, 99, 213-220.	10.0	65
45	Wastewater Analysis to Monitor Spatial and Temporal Patterns of Use of Two Synthetic Recreational Drugs, Ketamine and Mephedrone, in Italy. Environmental Science & Technology, 2015, 49, 5563-5570.	10.0	63
46	Sewage epidemiology and illicit drug research: The development of ethical research guidelines. Science of the Total Environment, 2014, 472, 550-555.	8.0	62
47	Level, sources and toxicity of polychlorinated biphenyls in the Italian diet. Chemosphere, 1999, 38, 2753-2765.	8.2	60
48	First interlaboratory exercise on non-steroidal anti-inflammatory drugs analysis in environmental samples. Talanta, 2008, 76, 580-590.	5.5	56
49	Gene expression profiles in zebrafish (Danio rerio) liver cells exposed to a mixture of pharmaceuticals at environmentally relevant concentrations. Chemosphere, 2007, 70, 65-73.	8.2	53
50	Population surveys compared with wastewater analysis for monitoring illicit drug consumption in Italy in 2010â€“2014. Drug and Alcohol Dependence, 2016, 161, 178-188.	3.2	53
51	Screening new psychoactive substances in urban wastewater using high resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 4297-4309.	3.7	52
52	Novel homologs of the multiple resistance regulator marA in antibiotic-contaminated environments. Water Research, 2008, 42, 4271-4280.	11.3	50
53	Wastewater-Based Epidemiology as a Novel Biomonitoring Tool to Evaluate Human Exposure To Pollutants. Environmental Science & Technology, 2018, 52, 10224-10226.	10.0	49
54	Polychlorobiphenyls (PCBs), polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) in fruit and vegetables from an industrial area in northern Italy. Chemosphere, 2010, 79, 292-298.	8.2	48

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55	Changes in drug use in European cities during early COVID-19 lockdowns â€“ A snapshot from wastewater analysis. Environment International, 2021, 153, 106540.	10.0	47
56	The effect of waste combustion on the occurrence of polychlorinated dibenzo-p-dioxins (PCDDs), polychlorinated dibenzofurans (PCDFs) and polychlorinated biphenyls (PCBs) in breast milk in Italy. Chemosphere, 2011, 82, 1-8.	8.2	44
57	Prioritization and analysis of pharmaceuticals for human use contaminating the aquatic ecosystem in Italy. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 71-78.	2.8	43
58	Reduction of urinary 8-epi-prostaglandin F2Î± during cyclo-oxygenase inhibition in rats but not in man. British Journal of Pharmacology, 1997, 121, 1770-1774.	5.4	42
59	The biofiltration process by the bivalve D. polymorpha for the removal of some pharmaceuticals and drugs of abuse from civil wastewaters. Ecological Engineering, 2014, 71, 710-721.	3.6	41
60	Recent advances in analytical methods for the determination of 4-alkylphenols and bisphenol A in solid environmental matrices: AÂcritical review. Analytica Chimica Acta, 2018, 1024, 39-51.	5.4	41
61	Simultaneous determination of new psychoactive substances and illicit drugs in sewage: Potential of micro-liquid chromatography tandem mass spectrometry in wastewater-based epidemiology. Journal of Chromatography A, 2019, 1602, 300-309.	3.7	41
62	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. Water Research, 2021, 195, 116983.	11.3	40
63	Micropollutants in Lake Como water in the context of circular economy: A snapshot of water cycle contamination in a changing pollution scenario. Journal of Hazardous Materials, 2020, 384, 121441.	12.4	39
64	Pharmaceuticals and other contaminants in waters and sediments from Augusta Bay (southern Italy). Science of the Total Environment, 2020, 739, 139827.	8.0	39
65	Realistic mixture of illicit drugs impaired the oxidative status of the zebra mussel (Dreissena) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.2	37
66	Wastewater-based epidemiology for tracking human exposure to mycotoxins. Journal of Hazardous Materials, 2020, 382, 121108.	12.4	36
67	Enantiomeric profiling of quinolones and quinolones resistance gene qnrS in European wastewaters. Water Research, 2020, 175, 115653.	11.3	36
68	Flexible high resolution-mass spectrometry approach for screening new psychoactive substances in urban wastewater. Science of the Total Environment, 2019, 689, 679-690.	8.0	35
69	High resolution mass spectrometry to investigate omeprazole and venlafaxine metabolites in wastewater. Journal of Hazardous Materials, 2016, 302, 332-340.	12.4	34
70	International snapshot of new psychoactive substance use: Case study of eight countries over the 2019/2020 new year period. Water Research, 2021, 193, 116891.	11.3	34
71	Use of legal and illegal substances in MalÃ© (Republic of Maldives) assessed by wastewater analysis. Science of the Total Environment, 2020, 698, 134207.	8.0	32
72	Assessment of human exposure to selected pesticides in Norway by wastewater analysis. Science of the Total Environment, 2020, 723, 138132.	8.0	32

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73	Direct analysis of isopropylthioxanthone (ITX) in milk by high-performance liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 1998-2002.	1.5	31
74	Wastewater-based epidemiology to assess the occurrence of new psychoactive substances and alcohol consumption in Slovakia. Ecotoxicology and Environmental Safety, 2020, 200, 110762.	6.0	31
75	Respiratory excretion of hydrogen and methane in Italian subjects after ingestion of lactose and milk. European Journal of Clinical Investigation, 1983, 13, 261-266.	3.4	27
76	Wastewater-based epidemiological evaluation of the effect of air pollution on short-acting beta-agonist consumption for acute asthma treatment. Environmental Research, 2016, 150, 106-111.	7.5	27
77	Exposure of an urban population to pesticides assessed by wastewater-based epidemiology in a Caribbean island. Science of the Total Environment, 2018, 644, 129-136.	8.0	27
78	A Taste for New Psychoactive Substances: Wastewater Analysis Study of 10 Countries. Environmental Science and Technology Letters, 2022, 9, 57-63.	8.7	27
79	Data on occurrence and fate of emerging contaminants in a urbanised area. Data in Brief, 2018, 17, 533-543.	1.0	26
80	Testing urban wastewater to assess compliance with prescription data through wastewater-based epidemiology: First case study in Italy. Science of the Total Environment, 2020, 739, 139741.	8.0	26
81	Monitoring caffeine and nicotine use in a nationwide study in Italy using wastewater-based epidemiology. Science of the Total Environment, 2020, 747, 141331.	8.0	23
82	PCB concentrations in some foods from four European countries. Food and Chemical Toxicology, 2008, 46, 1062-1067.	3.6	22
83	Illicit drug consumption in school populations measured by wastewater analysis. Drug and Alcohol Dependence, 2017, 178, 285-290.	3.2	22
84	Personal care products in surface, ground and wastewater of a complex aquifer system, a potential planning tool for contemporary urban settings. Journal of Environmental Management, 2018, 214, 76-85.	7.8	21
85	Illicit drugs and pharmaceuticals in swimming pool waters. Science of the Total Environment, 2018, 635, 956-963.	8.0	20
86	Illicit drugs in drinking water. Current Opinion in Environmental Science and Health, 2019, 7, 92-97.	4.1	20
87	Lactose Malabsorption and Recurrent Abdominal Pain in Italian Children. Journal of Pediatric Gastroenterology and Nutrition, 1988, 7, 852-857.	1.8	19
88	Source discrimination of drug residues in wastewater: The case of salbutamol. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1023-1024, 62-67.	2.3	19
89	Monitoring MDMA metabolites in urban wastewater as novel biomarkers of consumption. Water Research, 2017, 115, 1-8.	11.3	18
90	Wastewater-based epidemiology as a novel tool to evaluate human exposure to pesticides: Triazines and organophosphates as case studies. Science of the Total Environment, 2021, 793, 148618.	8.0	18

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91	SARS-CoV-2 RNA in urban wastewater samples to monitor the COVID-19 pandemic in Lombardy, Italy (Marchâ€“June 2020). Science of the Total Environment, 2022, 806, 150816.	8.0	17
92	Long term â€˜marine dietâ€™ in Eskimos is not associated with altered urinary excretion of total tetranor prostaglandin metabolites. Prostaglandins, 1985, 30, 465-477.	1.2	15
93	Small-Bowel Involvement in Dermatitis Herperiformis and in Linear-IgA Bullous Dermatosis. Journal of Clinical Gastroenterology, 1983, 5, 429-436.	2.2	14
94	The effects of S(â^') and R(+) sulpiride, metoclopramide, cisapride and domperidone on the small intestine suggest DA2-receptors are involved in the control of small intestinal transit time in rats. Pharmacological Research, 1992, 26, 179-185.	7.1	14
95	Effect of Bile Salts on Carbonic Anhydrase from Rat and Human Gastric Mucosa. Scandinavian Journal of Gastroenterology, 1989, 24, 28-32.	1.5	12
96	Illicit drug consumption estimated by wastewater analysis in different districts of <scp>M</scp>ilan: A case study. Drug and Alcohol Review, 2016, 35, 128-132.	2.1	12
97	Quasi-SMILES as a tool to predict removal rates of pharmaceuticals and dyes in sewage. Chemical Engineering Research and Design, 2018, 118, 227-233.	5.6	11
98	A multi-residue analytical method for extraction and analysis of pharmaceuticals and other selected emerging contaminants in sewage sludge. Analytical Methods, 2021, 13, 526-535.	2.7	11
99	Nationwide investigation on the use of new psychoactive substances in Italy through urban wastewater analysis. Science of the Total Environment, 2022, 843, 156982.	8.0	11
100	High-performance liquid chromatographic determination of desmosine and isodesmosine after phenylisothiocyanate derivatization. Biomedical Applications, 1991, 572, 312-316.	1.7	9
101	First comprehensive study of alcohol consumption in Italy using wastewater-based epidemiology. Science of the Total Environment, 2021, 776, 145863.	8.0	9
102	Carbamazepine Levels Related to the Demographic Indicators in Groundwater of Densely Populated Area. Water (Switzerland), 2021, 13, 2539.	2.7	9
103	Illicit drugs in the environment: Emerging contaminants and indicators of drug abuse. Integrated Environmental Assessment and Management, 2010, 6, 186-187.	2.9	8
104	Drug Use by Music Festival Attendees: A Novel Triangulation Approach Using Self-Reported Data and Test Results of Oral Fluid and Pooled Urine Samples. Substance Use and Misuse, 2019, 54, 2317-2327.	1.4	8
105	Glc Determination Of Ethylene Dichloride (Edc) In Biological Samples. Analytical Letters, 1980, 13, 363-370.	1.8	6
106	Utility of Hydrogen and Methane Breath Tests in Combination with X-Ray Examination after a Barium Meal in the Diagnosis of Small Bowel Bacterial Overgrowth after Jejuno-Ileal Bypass for Morbid Obesity. Obesity Surgery, 1994, 4, 144-148.	2.1	6
107	Effects of chronic treatment with DI-(2-ethylhexyl) phthalate on rat liver microsomal activities. Toxicology Letters, 1980, 6, 51-58.	0.8	5
108	Indomethacin-induced enteropathy: Effect of the drug regimen on intestinal permeability in rats. Agents and Actions, 1992, 36, C18-C21.	0.7	4

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109	Illicit Drugs as Emerging Contaminants. ACS Symposium Series, 2010, , 119-136.	0.5	4
110	Determination of papaverine in human blood by electron capture-gas liquid chromatography. Journal of Pharmacological Methods, 1978, 1, 9-12.	0.7	3
111	Head-space Gas-chromatographic Analysis of Vinyl Chloride Monomer in Rat Blood and Tissues. Xenobiotica, 1979, 9, 27-31.	1.1	3
112	Investigation on the fate of orally administered deae-dextran in rats. Pharmacological Research Communications, 1987, 19, 405-413.	0.2	3
113	Evidence of a lack of enteric side-effects induced by DEAE-dextran in man. Pharmacological Research Communications, 1987, 19, 547-553.	0.2	2
114	Gas chromatographic determination of two fluorinated benzodiazepines in rats and mice. Journal of Chromatography A, 1980, 198, 180-184.	3.7	1
115	Presence of Illicit Drugs in the Sarno River (Campania Region, Italy). Pharmacology & Pharmacy, 2014, 05, 755-761.	0.7	1
116	A nuanced picture of illicit drug use in 17 Italian cities through functional principal component analysis of temporal wastewater data. Zeitschrift Fur Gesundheitswissenschaften, 2016, 24, 165-174.	1.6	1
117	The role of respiration in vinyl chloride monomer excretion in rats. Toxicology Letters, 1980, 5, 213-217.	0.8	0